PRECISION
SECURITY AUSTRALIA

Precision Security Australia Pty Ltd

Product Catalog

Call: 1300 766 110

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Several choices for networked IP products

Smart Pro IP Solutions

The Smart Pro IP solutions are an ideal option for professional applications, as they bring intelligence, efficiency, and convenience to video surveillance. The DarkFighter and LightFighter IP cameras provide outstanding image quality in challenging lighting environments. Camera styles vary from indoor and outdoor domes, bullets, turrets, covert, fisheye models, and various PTZ options. Key features include high resolution up to 12 MP, 180˚ panoramic viewing, smart analytics, and H.264+ compression. With so many options, the Smart Pro Series can easily meet the high performance and storage requirements of enterprise projects.

Value Plus Series and Value Series

Hikvision announces a new line of cameras featuring its latest compression technology: H.265+ (page 22). This advanced compression captures surveillance video using a decreased bitrate, reducing bandwidth requirements and storage costs. Hikvision's H.265+ is a truly optimized encoding technology based on the standard H.265/HEVC compression, extending the limits of ultra-HD video surveillance applications. This new line of cameras includes 2-, 3-, 5- and 8-MP resolution models. Also new is the improved IR technology EXIR 2.0 along with new low-light technology, 120 dB WDR, Smart analytics, and IP67 protection. Hikvision continues to advance industry technology with the Art of Video Surveillance.

BOX CAMERA

	DS-2CD4012FWD-A	DS-2CD6026FHWD-A	DS-2CD6026FHWD-A3/A7/A11	DS-2CD4025FWD-A	DS-2CD4032FWD-A	DS-2CD4065F-A	DS-2CD4085F-AP
Model	*Lens NOT included 1.3 MP	DarkFighter *Lens NOT included 2 MP	DarkFighter 2 MP	LightFighter *Lens NOT included 2 MP	*Lens NOT included 3 MP	*Lens NOT included 6 MP	*Lens NOT included 4K
Image Sensor	1/3" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan tCMOS	1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS
Min. Illumination (lux)	Color: 0.01 @ ƒ/1.2 B/W: 0.001 @ ƒ/1.2	Color: 0.001 @ ƒ/1.2 B/W: 0.0001 @ ƒ/1.2	Color: 0.0016 @ ƒ/1.5 B/W: 0.00016 @ ƒ/1.5	Color: 0.005 @ ƒ/1.2 B/W: 0.0005 @ ƒ/1.2	Color: 0.1 @ ƒ/1.2 B/W: 0.01 @ ƒ/1.2	Color: 0.02 @ ƒ/1.2 B/W: 0.002 @ ƒ/1.2	Color: 0.01 @ ƒ/1.2 B/W: 0.001 @ ƒ/1.2
Lens	Auto back focus, C/CS mount	Auto back focus, C/CS mount	A3: 3.8 to 16 mm ƒ/1.5 A7: 7 to 33 mm ƒ/0.95 A11: 11 to 40 mm ƒ/1.5 Auto back focus, C/CS mount	Auto back focus, C/CS mount	Auto back focus, C/CS mount	Auto back focus, C/CS mount	Auto back focus, C/CS mount
Horizontal Angle of View	Lens dependent	Lens dependent	Lens dependent	Lens dependent	Lens dependent	Lens dependent	Lens dependent
Pan/Tilt/Rotation	---	---	---	---	---	---	---
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/140 dB	Yes/120 dB	Yes/Digital	Yes/Digital
IR Range Max. (meters)	---	---	---	---	---	---	---
Video Compression	H.264+/H.264/MPEG4/MJPEG	H.264+/H.264/MPEG4/MJPEG	H.264+/H.264/MPEG4/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MPEG4/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG
Maximum Image Resolution (pixels)	1280x960	1920x1080	1920x1080	1920x1080	2048x1536	3072x2048	4096x2160
Frame Rate (fps)	30 @ 1280x960 (60 @ 1280x720 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080, 1280x960, 1280x720 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080, 1280x960, 1280x720 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)	30 @ 1920x1080, 1280x720 20 @ 2048x1536	24 @ 3072x2048 30 @ 2560×2048, 2560×1920, 2048x1536, 1920x1080, 1280x720	22 @ 4096x2160, 24 @ 3840x2160 30 @ 1920x1080, 1280x720
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite[1]	Full Smart Suite[1] except Counting	Full Smart Suite[1] except Counting	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line/mic OUT: 1 line MIC: Built in	IN: 1 line/mic OUT: 1 line MIC: Built in
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	24 VAC, 12 VDC, PoE (802.3af), 8.5 W	24 VAC, 12 VDC, PoE (802.3af), 12 W	24 VAC, 12 VDC, PoE (802.3af), 12 W	24 VAC, 12 VDC, PoE (802.3af), 8.5 W	24 VAC, 12 VDC, PoE (802.3af), 10 W	24 VAC, 12 VDC, PoE (802.3af), 8 W	24 VAC, 12 VDC, PoE (802.3af), 8 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[1]**Full Smart Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

NETWORK CAMERAS - SMART SERIES

	INDOOR DOME					OUTDOOR BULLET					
	DS-2CD4112FWD-IZ	DS-2CD4125FWD-IZ	DS-2CD4132FWD-IZ	DS-2CD4165F-IZ	DS-2CD4185F-IZ	DS-2CD41C5F-IZ	DS-2CD4212FWD-IZH	DS-2CD4212FWD-IZH8	DS-2CD4A24FWD-IZH	DS-2CD4A25FWD-IZH	DS-2CD4A25FWD-IZH8
Model	1.3 MP	LightFighter 2 MP	3 MP	6 MP	4K	12 MP	1.3 MP	1.3 MP	EXIR 2 MP	LightFighter EXIR 2 MP	LightFighter EXIR 2 MP
Image Sensor	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.007 @ ƒ/1.4 B/W: 0 with IR	Color: 0.14 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 lux @ ƒ/1.4 B/W: 0 lux with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.007 @ ƒ/1.4	Color: 0.014 lux @ ƒ/1.4 B/W: 0 lux with IR	Color: 0.014 lux @ ƒ/1.4 B/W: 0 lux with IR
Lens	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus	4.7-94 mm @ F1.4 motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus
Horizontal Angle of View	98.4° to 30.2°	113° to 33.8°	91.2° to 28.3°	94.5° to 30.5°	96.0° to 32.6°	93.6° to 31.8°	98.4° to 30.2°	27.8° to 9.1°	53.8° to 3.1°	98.4° to 30.2°	27.8° to 9.1°
Pan/Tilt/Rotation	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/140 dB	Yes/120 dB	Yes/Digital	Yes/Digital	Yes/Digital	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/140 dB	Yes/140 dB
IR Range Max. (meters)	30	30	30	30	30	30	30	80	120	50	100
Video Compression	H.264+/H.264/MPEG4/ MJPEG	H.264+/H.264/MPEG4/ MJPEG	H.264+/H.264/MPEG4/ MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MPEG4/ MJPEG	H.264+/H.264/MPEG4/ MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG
Maximum Image Resolution (pixels)	1280x960	1920x1080	2048x1536	3072x2048	4096x2160	4000x3000	1280x960	1280x960	1920x1080	1920x1080	1920x1080
Frame Rate (fps)	30 @ 1280x960 (60 @1280x720 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)	20 @ 2048x1536 30 @ 1920x1080, 1280x720	24 @ 3072x2048 30 @ 3072x1728, 2560x2048, 2560x1920, 2048x1536, 1920x1080, 1280x720	22 @ 4096x2160, 24 @ 3840x2160 30 @ 1920x1080, 1280x720	15 @ 4000x3000 22 @ 4096x2160 24 @ 3840x2160 30 @ 3072x1728, 2560x1440, 1920x1080, 1280x720	30 @ 1280x960 (60 @ 1280x720 with WDR off)	30 @ 1280x960 (60 @ 1280x720 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	---	---	---	---	---
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	---	---	---	---	---
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IK10, UL/cUL Listed	IK10, UL/cUL Listed	IK10, UL/cUL Listed	IK10, UL/cUL Listed	IK10, UL/cUL Listed	IK10, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 10.5 W	12 VDC, PoE (802.3af), 10 W	12 VDC, PoE (802.3af), 11.5 W	12 VDC, PoE (802.3af), 12.5 W	12 VDC, PoE (802.3af), 13 W	12 VDC, PoE (802.3af), 13 W	12 VDC, PoE+ (802.3at), 12 W	12 VDC, PoE+ (802.3at), 12 W	12 VDC, PoE+ (802.3at), 15.5 W	12 VDC, PoE+ (802.3at), 15.5 W	12 VDC, PoE+ (802.3at), 15.5 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.

[1]**Full Smart Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

smart IPC

NETWORK CAMERAS - SMART SERIES

	OUTDOOR BULLET							OUTDOOR DOME			
	DS-2CD4A26FWD-IZH	DS-2CD4A26FWD-IZH8	DS-2CD4A35FWD-IZH	DS-2CD4A35FWD-IZH8	DS-2CD4A65F-IZH	DS-2CD4A85F-IZH	DS-2CD4AC5F-IZH	DS-2CD4312FWD-IZHS	DS-2CD4312FWD-IZHS8	DS-2CD4324FWD-IZHS	DS-2CD4324FWD-IZHS8
Model	DarkFighter EXIR 2 MP	DarkFighter EXIR 2 MP	EXIR 3 MP	EXIR 3 MP	EXIR 6 MP	EXIR 4K	EXIR 12 MP	1.3 MP	1.3 MP	2 MP	2 MP
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.0027 @ ƒ/1.4 B/W: 0 with IR	Color: 0.0027 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR
Lens	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus
Horizontal Angle of View	92° to 32°	28° to 12°	105° to 32°	29.7° to 9.7°	94.5° to 30.5°	96.0° to 32.6°	93.6° to 31.8°	98.4° to 30.2°	27.8° to 9.1°	113° to 33.8°	31.2° to 10.2°
Pan/Tilt/Rotation	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/Digital	Yes/Digital	Yes/Digital	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	50	100	50	100	50	50	50	30	50	30	50
Video Compression	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/ MPEG4/MJPEG
Maximum Image Resolution (pixels)	1920x1080	1920x1080	2048x1536	2048x1536	3072x2048	4096x2160	4000x3000	1280x960	1280x960	1920x1080	1920x1080
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720 (60 @1920x1080 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @1920x1080 with WDR off)	30 @ 2048x1536 (45 @ 2048x1536, 60 @ 1920x1280 with WDR off)	30 @ 2048x1536 (45 @ 2048x1536, 60 @ 1920x1280 with WDR off)	24 @ 3072x2048, 30 @ 3072x1728, 2560x2048, 2560x1920, 2048x1536, 1920x1080, 1280x720	22 @ 4096x2160, 24 @ 3840x2160 30 @ 1920x1080, 1280x720	15 @ 4000x3000 22 @ 4096x2160 24 @ 3840x2160 30 @ 3072x1728, 2560x1440, 1920x1080, 1280x720	30 @ 1280x960 (60 @ 1280x720 with WDR off)	30 @ 1280x960 (60 @ 1280x720 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1] except Audio feature	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	---	---	---	---	---	---	---	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	---	---	---	---	---	---	---	2/2	2/2	2/2	2/2
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12 VDC, PoE+ (802.3at), 21 W	12 VDC, PoE+ (802.3at), 21 W	12 VDC, PoE+ (802.3at), 15.5 W	12 VDC, PoE+ (802.3at), 15.5 W	12 VDC, PoE+ (802.3at), 15.5 W	12 VDC, PoE+ (802.3at), 15.5 W	12 VDC, PoE+ (802.3at), 15.5 W	24 VAC, PoE (802.3af), 13 W	24 VAC, PoE (802.3af), 13 W	24 VAC, PoE+ (802.3at), 14 W	24 VAC, PoE+ (802.3at), 14 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.

[1]**Full Smart Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

PRECISION SECURITY AUSTRALIA

NETWORK CAMERAS - SMART SERIES

	OUTDOOR DOME								MULTI-SENSOR	COUNTING CAMERA
	DS-2CD4526FWD-IZH	DS-2CD4332FWD-IZHS	DS-2CD4332FWD-IZHS8	DS-2CD4535FWD-IZH	DS-2CD4535FWD-IZH8	DS-2CD4565F-IZH	DS-2CD4585F-IZH	DS-2CD45C5F-IZH	DS-2CD6986F-H	iDS-2CD6412FWD/C
Model	DarkFighter 2 MP	3 MP	3 MP	3 MP	3 MP	6 MP	4K	12 MP	DarkFighter 8 MP	1.3 MP
Image Sensor	1/1.8" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.7" progressive scan CMOS	1/1.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	Color: 0.0027 @ ƒ/1.4 B/W: 0 with IR	Color: 0.14 @ ƒ/1.4 B/W: 0 with IR	Color: 0.14 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.002 Lux @ ƒ/2.2, AGC ON	Color: 0.028 Lux @ ƒ/2.0, AGC ON B/W: 0.0028 Lux @ ƒ/2.0, AGC ON
Lens	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	8 to 32 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	5 mm × 4, adjustable, Pan 180°, Tilt: 78.4°	2.1 mm @ ƒ/2.2 2.8 mm @ ƒ/2.0
Horizontal Angle of View	92° to 32°	91.2° to 28.3°	26° to 8.54°	105° to 32°	29.7° to 9.7°	94.5° to 30.5°	96.0° to 32.6°	93.6° to 31.8°	180° stiched image	115° (2.1 mm) 92.5° (2.8 mm)
Pan/Tilt/Rotation	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	Pan: 0° to 360°, tilt: 45° to 90°	---
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	Electronic
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/120 dB
IR Range Max. (meters)	40	30	50	40	50	40	40	40	---	---
Video Compression	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/ MPEG4/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264/MJPEG	H.264/MJPEG/MPEG4
Maximum Image Resolution (pixels)	1920x1080	2048x1536	2048x1536	2048x1536	2048x1536	3072x2048	4096x2160	4000x3000	4096 × 1800	1280x960
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080 with WDR off)	20 @ 2048x1536 30 @ 1920x1080, 1280x720	20 @ 2048x1536 30 @ 1920x1080, 1280x720	30 @ 2048x1536 (45 @ 2048x1536, 60 @ 1920x1080 with WDR off)	30 @ 2048x1536 (45 @ 2048x1536, 60 @ 1920x1080 with WDR off)	24 @ 3072x2048 30 @ 3072x1728, 2560x2048, 2560x1920, 2048x1536, 1920x1080, 1280x720	22 @ 4096x2160, 24 @ 3840x2160, 30 @ 1920x1080, 1280x720	15 @ 4000x3000 22 @ 4096x2160 24 @ 3840x2160 30 @ 3072x1728, 2560x1440, 1920x1080, 1280x720	Mode 1: 30 @ 4096x1800, 3840x1680 Mode 2: 24 @ 2400x3840 30 @1200x1920	30 @ 1280x960, 1280x720
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Double	Triple
Smart Features	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	---	Basic Smart Suite[2]
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
Alarm Input/Output	1/1	2/2	2/2	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	24 VAC, 12 VDC, PoE+ (802.3at), 17.5 W	24 VAC, PoE (802.3af), 13 W	24 VAC, PoE (802.3af), 13 W	12 VDC, 24 VAC, PoE+ (802.3at), 17.5 W	12 VDC, 24 VAC, PoE+ (802.3at), 17.5 W	12 VDC, 24 VAC, PoE+ (802.3at), 17.5 W	12 VDC, 24 VAC, PoE+ (802.3at), 17.5 W	12 VDC, 24 VAC, PoE+ (802.3at), 17 W	24 VAC, PoE+ (802.3at), 22 W	12 VDC, 7.5 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[1]**Full Smart Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog
[2]**Basic Smart Suite:** Counting, ROI, EIS, Defog

FEATURED PRODUCTS

High Definition 12 MP Cameras For Superior Detailed Imaging

Hikvision's new 12 MP High Definition (HD) cameras provide an amazing 4000x3000 pixel array for superior image definition and color rendition. Included in the line are the DS-2CD4AC5F-IZH Bullet camera with built-in motorized zoom lens, 120dB Wide Dynamic Range and EXIR IR illumination up to 50 meters (165 ft). An outdoor Dome camera, model DS-2CD45C5F-IZH also with motorized zoom lens and IR illumination up to 40 meters (130 ft). And the DS-2CD63C2F-IV Fisheye which offers full 180° and 360°(wall mounted) viewing. A stunning set of HD cameras well-suited to the most demanding applications where detailed images and clear identification of subjects is a must.

A close companion product is our new I-Series Pro and Value NVRs, which are reliable additions to IP security systems that require ultra high performance at an economic price. These NVRs support recording of up to 12 MP camera resolution, Ultra High Definition (UHD) output up to 4K, and up to 24 TB storage capacity. The recorder offers up to four SATA interfaces and one eSATA interface for recording and backup. It features Hikvision's unique optimized H.264+, H.265 and H.265+ compression, increasing storage space by 50-70%.

smart IPC

NETWORK CAMERAS - SMART SERIES

	ULTRA-WIDE PANORAMIC	INDOOR FISHEYE	OUTDOOR FISHEYE	INDOOR FISHEYE	OUTDOOR FISHEYE	
	DS-2CD6W32FWD-IVS	**DS-2CD6332FWD-I**	**DS-2CD6332FWD-IV**	**DS-2CD6362F-I**	**DS-2CD6362F-IV**	**DS-2CD63C2F-IV**
Model	3 MP	3 MP	3 MP	6 MP	6 MP	12 MP
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.7" progressive scan CMOS
Min. Illumination (lux)	Color: 0.4 @ ƒ/2.4, AGC On B/W: 0 with IR	Color: 0.28 @ ƒ/2.0 B/W: 0 with IR	Color: 0.28 @ ƒ/2.0 B/W: 0 with IR	Color: 0.3 @ ƒ/2.8 B/W: 0 with IR	Color: 0.3 @ ƒ/2.8 B/W: 0 with IR	Color: 0.04 @ ƒ/2.4 B/W: 0 with IR
Lens	2 mm @ ƒ/2.4	1.19 mm @ ƒ/2.0, Fisheye	1.19 mm @ ƒ/2.0, Fisheye	1.27 mm @ ƒ/2.8, Fisheye	1.27 mm @ ƒ/2.8, Fisheye	1.98 mm @ ƒ/2.4
Horizontal Angle of View	135°, 98° vertical (wall)	180°/360° (wall)	180°/360° (wall)	180°/360° (wall)	180°/360° (wall)	180°/360° (wall)
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	No/120 dB	No/120 dB	No/Digital	No/Digital	No/Digital
IR Range Max. (meters)	15	15	15	15	15	15
Video Compression	H.264	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264+/H.264/MJPEG
Maximum Image Resolution (pixels)	2048x1536	2048x1536	2048x1536	3072x2048	3072x2048	4000x3072
Frame Rate (fps)	30 @ 2048x1536	Fisheye (FE): M: 1536x1536; S: 720x720 Panorama (P): M: 1600x1200; S: 704x480 ePTZ: M: 800x600 M1: 20 @ FE(M), 20 @ P(M), 20 @ ePTZ(M)×3 M2: 30 @ FE(M) OR 30 @ ePTZ(M)×4 M3: 30 @ FE(M), 30 @ FE(S), 15 @ePTZ(M)×3 M4: 30 @ P(M), 30 @ P(S)	Fisheye (FE): M: 1536x1536; S: 720x720 Panorama (P): M: 1600x1200; S: 704x480 ePTZ: M: 800x600 M1: 20 @ FE(M), 20 @ P(M), 20 @ ePTZ(M)×3 M2: 30 @ FE(M) OR 30 @ ePTZ(M)×4 M3: 30 @ FE(M), 30 @ FE(S), 15 @ ePTZ(M)×3 M4: 30 @ P(M), 30 @ P(S)	Fisheye (FE): M: 3072x2048; S: 720x720 Panorama (P): M: 2048x1536; S: 704x480 ePTZ: M: 1024x768 M1: 15 @ FE(M), 15 @ P(M), 15 @ 3XePTZ(M) M2: 30 @ FE(M) OR 30 @ 4XePTZ(M) M3: 15 @ FE (M), 15 @ FE (S), 15 @ 3X ePTZ(M) M4: 30 @ P(M), 30 @ P(S)	Fisheye (FE): M: 3072x2048; S: 720x720 Panorama (P): M: 2048x1536; S: 704x480 ePTZ: M: 1024x768 M1: 15 @ FE(M), 15 @ P(M), 15 @ 3XePTZ(M) M2: 30 @ FE(M) OR 30 @ 4XePTZ(M) M3: 15 @ FE (M),15 @ FE (S), 15 @ 3X ePTZ(M) M4: 30 @ P(M), 30 @ P(S)	Fisheye (FE): M: 4000x3072; S: 720x720. Panorama (P): M: 3072x2304; S: 704x576. ePTZ:M: 1600x1200. M1: 10 @ FE(M), 10 @ FE(S), 10 @ 3XePTZ(M). M2: 15 @ P(M), 15 @ P(S) M3: 15 @ 4XePTZ(M) M4: 20 @ FE(M), 25 @ FE(3072x3072), 15 @FE(S)
Multi-Streaming	Dual	Multi-Channel Mode; High Frame Rate Mode; Mode 3; Mode 4	Multi-Channel Mode; High Frame Rate Mode; Mode 3; Mode 4	Multi-Channel Mode; High Frame Rate Mode; Mode 3; Mode 4	Multi-Channel Mode; High Frame Rate Mode; Mode 3; Mode 4	Multi-Channel Mode; High Frame Rate Mode; Mode 3; Mode 4
Smart Features	Basic Smart Suite[2], ROI	Intrusion Detection, Line Crossing	Intrusion Detection, Line Crossing	Intrusion Detection, Line Crossing	Intrusion Detection, Line Crossing	Intrusion Detection, Line Crossing
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	Built-in speaker and mic	Built-in speaker and mic	Built-in speaker and mic	Built-in speaker and mic	Built-in speaker and mic	Built-in speaker and mic
Alarm Input/Output	1/1	---	---	---	---	---
Local Storage	MicroSD 64 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP66, IK10, UL/cUL Listed	UL/cUL Listed	IP67, IK10, UL/cUL Listed	UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 12 W	12 VDC, PoE (802.3af), 12.5 W	12 VDC, PoE (802.3af), 12.5 W	12 VDC, PoE (802.3af), 12 W	12 VDC, PoE (802.3af), 12 W	12 VDC/PoE (802.3af), 14.7 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.

PRECISION SECURITY AUSTRALIA

NETWORK CAMERAS - SMART SERIES

	COVERT									HEIGHT STRIP
	DS-2CD6412FWD-C2 (Base Unit)	**DS-2CD6412FWD-L10** (Lens/Sensor)	**DS-2CD6412FWD-L20** (Lens/Sensor)	**DS-2CD6412FWD-L30** (Lens/Sensor)	**DS-2CD6424FWD-10**	**DS-2CD6424FWD-20**	**DS-2CD6424FWD-30**	**DS-2CD6424FWD-40/E1**	**DS-2CD6424FWD-40/E2**	**DS-2CD6424FWD-20/E**
Model	*Base unit ONLY	*Base unit NOT included 1.3 MP	*Base unit NOT included 1.3 MP	*Base unit NOT included 1.3 MP	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Image Sensor	Supports (2) L10, L20, or L30 lenses/sensor units (not included)	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS
Min. Illumination (lux)	---	Color: 0.04 @ ƒ/2.3	Color: 0.04 @ ƒ/2.3	Color: 0.04 @ ƒ/2.0	Color: 0.028 lux @ ƒ/2.0, AGC ON	Color: 0.028 lux @ ƒ/2.0, AGC ON	Color: 0.028 lux @ ƒ/2.0, AGC ON	Color: 0.028 lux @ ƒ/2.0, AGC ON	Color: 0.028 lux @ ƒ/2.0, AGC ON	Color: 0.028 lux @ ƒ/2.0, AGC ON
Lens	---	Fixed, 3.7 mm @ ƒ/2.3	Fixed, 3.7 mm @ ƒ/2.3	Fixed, 2.8 mm, 4 mm @ ƒ/2.0	Fixed 3.7 mm @ f2.5, cylindrical pinhole	Fixed 3.7 mm @ f2.5, L-shaped, pinhole	Fixed 2.8 mm @ f2.0, Tube	Fixed 2.8 mm @ f2.0, Ball with Turret mount	Fixed 2.8 mm @ f2.0, Ball with In-ceiling mount	Fixed 3.7 mm @f2.5, L-shaped, pinhole
Horizontal Angle of View	Lens dependent	57°	57°	92.5°, 73.1°	65°	65°	115°	109.4°	109.4°	78.5°
Day/Night	---	Electronic	Electronic	Electronic	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	---	No/120 dB	No/120 dB	No/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	---	---	---	---	---	---	---	---	---	---
Video Compression	H.264/MPEG4/MJPEG	---	---	---	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	---
Maximum Image Resolution (pixels)	---	1280x960	1280x960	1280x960	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
Frame Rate (fps)	30 @ 1280x960, 1280x720	---	---	---	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720
Multi-Streaming	Triple Stream	---	---	---	---	---	---	---	---	Triple
Smart Features	Basic Smart Suite[2]	---	---	---	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2] + ROI, Defog
Motion Detection	Yes	---	---	---	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/mic OUT: 1 line	---	---	---	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
Alarm Input/Output	1/1	---	---	---	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	---	---	---	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 8.5 W	Powered by Base Unit	Powered by Base Unit	Powered by Base Unit	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 6.5 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[2]**Basic Smart Suite:** Line Crossing, Intrusion Detection, DeFocus, Audio Exception, Scene Change

PROFESSIONAL SOLUTIONS

smart IPC

NETWORK PTZ CAMERAS - SMART PRO SERIES

	INDOOR			OUTDOOR					
	DS-2DF5220S-DE4/W	DS-2DF5276-AE3	DS-2DF5286-AE3	DS-2DF5276-AEL	DS-2DF5286-AEL	DS-2DF6236-AEL	DS-2DF6336V-AEL	DS-2DF7276-AEL	DS-2DF7286-AEL
Model	2 MP	1.3 MP	2 MP	1.3 MP	2 MP	DarkFighter 2 MP	3 MP	1.3 MP	2 MP
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.9" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.3 @ ƒ/1.6 B/W: 0.02 @ ƒ/1.6	Color: 0.05 @ ƒ/1.6 B/W: 0.005 @ ƒ/1.6	Color: 0.4 @ ƒ/1.6 B/W: 0.03 @ ƒ/1.6	Color: 0.05 @ ƒ/1.6 B/W: 0.005 @ ƒ/1.6	Color: 0.4 @ ƒ/1.6 B/W: 0.03 @ ƒ/1.6	Color: 0.002 @ ƒ/1.5 B/W: 0.0002 @ ƒ/1.5	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.05 @ ƒ/1.6 B/W: 0.005 @ ƒ/1.6, 0 with IR	Color: 0.4 @ ƒ/1.6 B/W: 0.03 @ ƒ/1.6, 0 with IR
Lens	4.7 to 94 mm, motorized zoom, autofocus	4.3 to 129.0 mm, motorized zoom, autofocus	4.3 to 129.0 mm, motorized zoom, autofocus	4.3 to 129.0 mm, motorized zoom, autofocus	4.3 to 129.0 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	4.5 to 162 mm, motorized zoom, autofocus	4.3 to 129.0 mm, motorized zoom, autofocus	4.3 to 129.0 mm, motorized zoom, autofocus
Horizontal Angle of View	58.3° to 3.2°	57.4° to 2.8°	65.5° to 2.11°	57.4° to 2.8°	65.5° to 2.11°	58.7° to 2.0°	60.6° to 3.68°	57.4° to 2.8°	65.5° to 2.11°
Optical Zoom (Digital Zoom)	20x (16x)	30x (16x)	30x (16x)	30x (16x)	30x (16x)	36x (16x)	36x (16x)	30x (16x)	30x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-30° to 90° (auto flip)	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-2° to 90° (auto flip)	-2° to 90° (auto flip)
Pan & Tilt Speed (Manual)	Pan: 0.1° to 150°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.
Pan & Tilt Speed (Preset)	Pan: 270°/sec. Tilt: 200°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/120 dB	Yes/120 dB	Yes/Digital	Yes/Digital
Electronic Image Stabilization	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
IR Range Max. (Meters)	---	---	---	---	---	---	---	150	150
Smart Features/ Presets/Tours/Patterns	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4
Video Compression	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
Maximum Image Resolution (pixels)	1920x1080	1280x960	1920x1080	1280x960	1920x1080	1920x1080	2048x1536	1280x960	1920x1080
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280×720	30 @ 2048x1536, 1920x1080, 1280x960, 1280x720 (60 @ 2048x1536, 1920x1080, 1280x960, 1280x720 with WDR off)	30 @ 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	UL/cUL Listed	IK9, UL/cUL Listed	IK9, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)	24 VAC: -40° C to 65° C (-40° F to 149° F); Hi-PoE: -30° C to 65° C (-22° F to 149° F)	24 VAC: -40° C to 65° C (-40° F to 149° F); Hi-PoE: -30° C to 65° C (-22° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	24 VAC: -40° C to 65° C (-40° F to 149° F); Hi-PoE: -30° C to 65° C (-22° F to 149° F)	24 VAC: -40° C to 65° C (-40° F to 149° F); Hi-PoE: -30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	12 VDC, PoE+ (802.3at), 25 W, PoE injector included	24 VAC, PoE+ (802.3at), 25 W, PoE injector included	24 VAC, PoE+ (802.3at), 25 W, PoE injector included	24 VAC, PoE+ (802.3at), 60 W, PoE Injector Included	24 VAC, PoE+ (802.3at), 60 W, PoE Injector Included	24 VAC, PoE+ (802.3at), 60 W, PoE Injector Included	24 VAC, PoE+ (802.3at), 60 W, PoE Injector Included	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P

[3]**PTZ Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease, Audio Loss, Defog

PRECISION SECURITY AUSTRALIA

OUTDOOR

Model	DS-2DF8236I-AELW	DS-2DF8236I5W-AELW	DS-2DF8336IV-AELW	DS-2DF8836IV-AELW	DS-2DF8836I5V-AELW
	NEW Wiper 2 MP	NEW Wiper 2 MP	Wiper 3 MP	Wiper 4K	NEW Wiper 4K
Image Sensor	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/3" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS
Min. Illumination (lux)	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5, 0 with IR	Color: 0.002 @ f/1.5 B/W: 0.0002 @ f/1.5, 0 with IR	Color: 0.05 @ f/1.6 B/W: 0.01, 0 with IR	Color: 0.02 @ f/1.5 B/W: 0.002 @ f/1.5, 0 with IR	Color: 0.02 @ f/1.5 B/W: 0.002 @ f/1.5, 0 with IR
Lens	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus
Horizontal Angle of View	58.7° to 2.0°	58.7° to 2.0°	60.6° to 3.68°	56.8° to 2.02°	56.8° to 2.02°
Optical Zoom (Digital Zoom)	36x (16x)	36x (16x)	36x (16x)	36x (16x)	36x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)
Pan & Tilt Speed (Manual)	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.
Pan & Tilt Speed (Preset)	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/Digital	Yes/Digital
Electronic Image Stabilization	No	Yes	No	No	No
IR Range Max. (Meters)	200	500	200	200	500
Smart Features/ Presets/Tours/Patterns	PTZ Suite[1]/ 300/8/4	PTZ Suite[1]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 300/8/4	PTZ Suite[1]/ 300/8/4
Video Compression	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Maximum Image Resolution (pixels)	1920x1080	1920x1080	2048x1536	4096x2160	4096x2160
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280×720	30 @ 1920x1080, 1280x960, 1280×720	30 @ 2048x1536, 1920x1080, 1280x960, 1280x720 (60 @ 2048x1536, 1920x1080, 1280x960, 1280x720 with WDR off)	24 @ 4096x2160 30 @3840x2160, 3072x1728, 2560x1440, 1920x1080, 1280x720	24 @ 4096x2160 30 @ 3840x2160, 3072x1728, 2560x1440, 1920x1080, 1280x720
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)
Power Requirements (max.)	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P
[3]**PTZ Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease, Audio Loss, Defog

FEATURED PRODUCT

4K (8 MP) Smart PTZ Dome with Extended IR

‹ DS-2DF8836I5V-AELW

After winning last year's 2016 ISC West New Product Showcase with the DS-2DF8836IV-AELW, Hikvision has introduced a longer range IR version capable of extending the nighttime reach of the PTZ's 36x lens to more than 1500 feet. Featuring laser IR illumination, the new DS-2DF8836I5V-AELW Ultra HD Smart PTZ dome provides many industry leading benefits, including Ultra HD 4K image detail in real time (30fps), Defog capability to improve imaging in foggy conditions, advanced Smart Suite analytics and Smart Tracking. The onboard VCA (video content analysis) includes line cross, intrusion, region entrance/exit and can send immediate alerts or trigger recording when events occur. Region of Interest encoding increases the camera's efficiency and can reduce storage and bandwidth requirements, making this camera as useful as it is cutting edge.

FEATURED PRODUCT

Specialty Camera Solutions

Part of our Smart/Pro series, Hikvision is proud to introduce its first line of Specialty Camera Solutions. Intended to bring Hikvision's advanced technology capabilities to the North American market, these specialized camera systems will add to Hikvision's wide selection of innovative solutions. This means more options for end users and more business opportunities for our customers.

Whether it is a coastline or food processing site, airport or highway, solar farm or critical infrastructure, Hikvision is committed to delivering solutions for demanding applications. Our specialty line also features advanced analytics and all of the smart essentials Hikvision customers have come to expect.

We invite you to explore these new product offerings and expand your business when you provide your customers with more options. Talk to your Hikvision representative, or visit our website for more information.

smart IPC

SPECIALTY NETWORK DOME AND PTZ CAMERAS - SMART PRO SERIES

OUTDOOR DOME

Model	DS-2CD6626DS-IZHS	DS-2CD6626BS-R	DS-2CD6626B/E-HIR5	DS-2CD6626B/E-HIRA
	DarkFighter SS 2 MP	NEW DarkFighter SS 2 MP	NEW DarkFighter SS 2 MP	NEW DarkFighter SS 2 MP
Image Sensor	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.002 @ ƒ/1.2 B/W: 0 with IR	Color: 0.002 @ ƒ/1.2, AGC On B/W: 0.0002 @ ƒ/1.2, AGC On	Color: 0.002 @ ƒ/1.2, AGC On B/W: 0.0002 @ ƒ/1.2, AGC On, 0 with IR	Color: 0.002 @ ƒ/1.2, AGC On B/W: 0.0002 @ ƒ/1.2, AGC On, 0 with IR
Lens	2.8 to 12 mm @ ƒ/1.4, motorized, autofocus	16 mm	3.8 to 16 mm	11 to 40 mm
Horizontal Angle of View	92° to 32°	25°	100.6° to 27.3°	35.8° to 11.2°
Pan/Tilt/Rotation	0° to 355°/ 0° to 75°/0° to 355°	---	---	---
Day/Night	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max (meters)	30	-	50	100
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution (pixels)	1920x1080	1920x1080	1920x1080	1920x1080
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080, 1280x960 1280x720 with WDR off)	60 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720
Multi-Streaming	Triple	Triple	Triple	Triple
Smart Features	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]	Full Smart Suite[1]
Image Enhancement	3D DNR, EIS, Defog	3D DNR, AWB, EIS, Defog	3D DNR, AWB, EIS, Defog	3D DNR, AWB, EIS, Defog
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
Alarm Input/Output	1/1	1/1	1/1	1/1
Local Storage	MicroSD 128 GB max.	No	MicroSD 128 GB max.	MicroSD 128 GB max.
Ratings	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	24 VAC, 12 VDC, PoE (802.3af), 16 W	24 VAC, 12 VDC, PoE (802.3af), 13 W	24 VAC, 60 W	24 VAC, 60 W

[1]**Full Smart Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

OUTDOOR PTZ

Model	DS-2DT6223-AELY
	DarkFighter SS 2 MP
Image Sensor	1/1.9" progressive scan CMOS
Min. Illumination (lux)	Color: 0.002 @ ƒ/1.5, AGC On B/W: 0.0002 @ ƒ/1.5 AGC On
Lens	5.9 to 135.7 mm, motorized zoom, autofocus
Horizontal Angle of View	59.8° to 3.0°
Optical Zoom	23x (16x Digital)
Pan Range	360° endless
Tilt Range	-20° to 90° (auto flip)
Pan & Tilt Speed (Manual)	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.
Pan & Tilt Speed (Preset)	Pan: 540°/sec. Tilt: 400°/sec.
Day/Night	TRUE
BLC/WDR	Yes/120 dB
Electronic Image Stabilization	Yes
IR Range Max. (Meters)	---
Smart Features/ Presets/Tours/Patterns	PTZ Suite[3]/ 300/8/4
Video Compression	H.264/MJPEG/MPEG4
Maximum Image Resolution (pixels)	1920x1080
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280×720
Local Storage	MicroSD, 128 GB max.
Ratings	316L Stainless Steel, IP67, IK10,UL/cUL Listed
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)
Power Requirements (max.)	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P
[3]**PTZ Suite:** Line Crossing, Intrusion, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease, Audio Loss, Defog

SS Stainless Steel

PRECISION SECURITY AUSTRALIA

SPECIALTY PTZ AND MULTI-SENSOR PANOVU CAMERAS - SMART PRO SERIES

OUTDOOR PTZ

Model	DS-2DY5223IW-AE	DS-2DY9188-A	DS-2DY9188-AI2	DS-2DY9188-AIA
	DarkFighter 2 MP	DarkFighter 2 MP	DarkFighter 2 MP	NEW DarkFighter 2 MP
Image Sensor	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS
Min. Illumination (lux)	Color: 0.002 @ ƒ/1.5, AGC On B/W: 0.0002 @ ƒ/1.5, AGC On, 0 with IR	Color: 0.002 @ ƒ/1.5, AGC On B/W: 0.0002 @ ƒ/1.5, AGC On, 0 with IR	Color: 0.002 @ ƒ/1.5, AGC On B/W: 0.0002 @ ƒ/1.5, AGC On, 0 with IR	Color: 0.002 @ ƒ/1.5, AGC On B/W: 0.0002 @ ƒ/1.5, AGC On, 0 with IR
Lens	5.9 to 135.7 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus	5.7 to 205.2 mm, motorized zoom, autofocus
Horizontal Angle of View	59.8° to 3.0°	58.7° to 2°	58.7° to 2°	58.7° to 2°
Optical Zoom (Digital Zoom)	23x (16x)	36x (16x)	36x (16x)	36x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-90° to 90°	-40° to 90°	-40° to 90°	-40° to 90°
Pan & Tilt Speed (Manual)	Pan: 0.1° to 200°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 40°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 40°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 40°/sec.
Pan & Tilt Speed (Preset)	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
Electronic Image Stabilization	Yes	Yes	Yes	Yes
IR Range Max. (Meters)	150	---	200	1000 (Laser)
Smart Features/ Presets/Tours/Patterns	PTZ Suite[3]/ 300/8/4	PTZ Suite[3]/ 256/8/4	PTZ Suite[3]/ 256/8/4	PTZ Suite[1]/ 300/8/4
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG/MPEG4
Maximum Image Resolution (pixels)	1920x1080	1920x1080	1920x1080	1920x1080
Frame Rate (fps)	30 @ 1920x1080, 1280x720	30 @ 1920x1080, 1280x960, 1280×720	30 @ 1920x1080, 1280x960, 1280×720	30 @ 1920x1080, 1280x960, 1280×720
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149°)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)
Power Requirements (max.)	24 VAC, Hi-PoE (802.3at), 45 W, PoE Injector Included	24 VAC, 60 W	24 VAC, 60 W	24 VAC, 60 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P

[3]**PTZ Suite:** Line Crossing Detection, Intrusion Detection, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease Detection, Audio Loss Detection, Defog

OUTDOOR PANOVU

Model	DS-2DP1636Z-D	DS-2DP0818Z-D	DS-2DP1636-D
	NEW 16 MP	NEW 8 MP	NEW 16 MP
Panoramic Image Sensors	1/1.9" Progressive Scan CMOS (8)	1/1.9" Progressive Scan CMOS (4)	1/1.9" Progressive Scan CMOS (4)
Min. Illumination (lux)	Color: 0.005 lux @ ƒ/2.2, AGC On B/W: 0.0005 lux @ ƒ/2.2, AGC On	Color: 0.005 lux @ ƒ/2.2, AGC On B/W: 0.0005 lux @ ƒ/2.2, AGC On	Color: 0.005 lux @ ƒ/2.2, AGC On B/W: 0.0005 lux @ ƒ/2.2, AGC On
Lens	5 mm (8), ƒ/2.2	5 mm (4), ƒ/2.2	4 mm (8), ƒ/1.8
Horizontal Angle of View	360° (2x180° stitched streams) at up to 4096x1800 @30 fps per stream	180° stitched stream at up to 4096x1800 @30 fps	360° (2x180° stitched streams) at up to 2400x3840 @25 fps per stream
Verical Angle of View / electronic PTZ	80° / No	80° / No	180° / Yes
Stitched Image(s) linkage to PTZ	Yes, 3D intelligent positioning	Yes, 3D intelligent positioning	---
PTZ Image Sensor	1/1.9" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS
PTZ Lens	5.7 to 205 mm, 36x (16x digital)	5.7 to 205 mm, 36x (16x digital)	---
Min. Illumination (lux)	Color: 0.002 @ ƒ/1.5, AGC On B/W: 0.0002 @ ƒ/1.5, AGC On (True Day/Night)	Color: 0.002 @ ƒ/1.5, AGC On B/W: 0.0002 @ ƒ/1.5, AGC On (True Day/Night)	Color: 0.004 @ ƒ/1.8, AGC On B/W: 0.0004 @ ƒ/1.8, AGC On
Pan/Tilt Rotation	Pan: 360° endless Tilt: -15° to 90° (autoflip)	Pan: 360° endless Tilt: -15° to 90° (autoflip)	Pan: ePTZ, 360° Tilt: 180°
Pan & Tilt Speed Manual / Preset	Pan: 0.1° to 300° per sec. / 540° per sec. Tilt: 0.1° to 120° per sec. / 400° per sec.	Pan: 0.1° to 300° per sec. / 540° per sec. Tilt: 0.1° to 120° per sec. / 400° per sec.	---
Image Enhancement	3D DNR, BLC, AWB, WDR, EIS, Defog	3D DNR, BLC, AWB, WDR, EIS, Defog	3D DNR, BLC, WDR, Defog
Smart Features/Presets/Tours/Patterns	PTZ Suite[1]/300/8/4	PTZ Suite[1]/300/8/4	---
Smart Tracking	Yes	Yes	No
Video Compression	H.264 (Base/Main/High Profile)/MJPEG	H.264 (Base/Main/High Profile)/MJPEG	H.264 (Base/Main/High Profile)/MJPEG
Main Stream (fps)	Panoramic: 2 x 30 @ 4096x1800, 3840x1680, 2720x1192 PTZ: 30 @ 1920x1080, 1280x960, 1280x720	Panoramic: 30 @ 4096x1800, 3840x1680, 2720x1192 PTZ: 30 @ 1920x1080, 1280x960, 1280x720	2 x 25 @ 2400x3840, 1792x2880, 1600x2560, 1200x1920
Sub Stream (fps)	Panoramic: 2 x 30 @ 176x144, 352x288, 704x320 PTZ: 30 @ 704x480, 352x240, 176x120	Panoramic: 30 @ 176x144, 352x288, 704x320 PTZ: 30 @ 704x480, 352x240, 176x120	2 x 25 @ 320x512, 480x720
Third Stream (fps)	Panoramic: 2 x 30 @ 176x144, 352x288, 704x320, 1280x960, 1280x720, 1920x1080 PTZ: 30 @ 1920x1080, 1280x960, 1280x720, 704x480, 352x240, 176x120	Panoramic: 30 @ 176x144, 352x288, 704x320, 1280x960, 1280x720, 1920x1080 PTZ: 30 @ 1920x1080, 1280x960, 1280x720, 704x480, 352x240, 176x120	2 x 30 @ 2400x3840, 1200x1920
Alarm Input/Output	7/2	7/2	7/2
Audio Input/Output	2/1	2/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP66 UL/cUL Listed	IP66 UL/cUL Listed	IP66 UL/cUL Listed
Operating Temperature Range	-40° C to 65° C (40° F to 149° F)	-40° C to 65° C (40° F to 149° F)	-40° C to 65° C (40° F to 149° F)
Power Requirements (max.)	36 VDC, 120W	36 VDC, 70W	36 VDC, 110W

OVERVIEW

Thermal Camera Systems

Hikvision's Thermal Network Camera systems are designed for critical lowlight applications, including high security perimeters. These systems feature advanced analytics, including line cross, intrusion detection, and region entrance/exit, temperature exception alarms, and advanced fire detection.

The DS-2TD2136 and DS-2TD2166 Series Network Thermal Bullet Camera systems feature 384x288 or 640x512 resolution uncooled VOx (Vanadium Oxide) sensors with multiple lens options.

The DS-2TD2235 Series Network Bi-Spectrum Thermal/Optical Camera systems feature a 384x288 resolution uncooled VOx (Vanadium Oxide) sensor side-by-side with a 2 MP CMOS true Day/Night camera with matched FOV lens and 120 meter IR capability. With two unique cameras in the same enclosure, the DS-2TD2235 series reduces installation and infrastructure costs.

The DS-2TD4035 Series Network Bi-Spectrum Thermal/Optical PTZ Camera systems feature a 2 MP D/N camera (30x zoom/150 meter IR) and 384x288 resolution thermal. These cameras capture targets in any lighting condition, while the visible camera zooms to provide corresponding information - all in one easy to install package.

The DS-2TD6135 and DS-2TD6166 Series Network Bi-Spectrum Thermal/Optical PTZ Camera systems provide longer range thermal/optical capabilities.

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BI-SPECTRUM THERMAL CAMERAS - SMART PRO SERIES

OUTDOOR BULLET

Model	DS-2TD2136-10/15/25/35				DS-2TD2166-15/25/35		
	NEW RESOLUTION: Medium				NEW RESOLUTION: High		
Thermal Sensor	Vanadium Oxide UFPA				Vanadium Oxide UFPA		
Resolution	384x288				640x512		
Thermal Lens	10 mm	15 mm	25 mm	35 mm	15 mm	25 mm	35 mm
Field of View (HxV)	36°x27°	24.6°x18.5°	14.9°x11.2°	11°x8°	24.6°x18.5°	14.9°x11.2°	10.7°x8.0°
MRAD	1.7	1.13	0.68	0.49	1.13	0.68	0.49
Minimum Focus Distance	1 m	2.5 m	13 m	40 m	2.5 m	13 m	40 m
Spectral Response	8 µm to 14 µm				8 µm to 14 µm		
NETD	<50mK				<50mK		
Psuedo Colors	14				14		
Image Enhancement	3D DNR, Adaptive AGC, DDE				3D DNR, Adaptive AGC, DDE		
Pan/Tilt/Rotation	3-axis Positioning				3-axis Positioning		
Video Compression	H.264+/H.264/MJPEG				H.264+/H.264/MJPEG		
Main Stream (fps)	50 @ 384x288				50 @ 640x512, 384x288, 352x288		
Sub Stream (fps)	50 @ 384x288				50 @ 640x512, 384x288, 352x288		
Third Stream (fps)	50 @ 384x288				50 @ 640x512, 384x288, 352x288		
Smart Features	Line cross, Intrusion, Region Entrance/Exit, ROI				Line cross, Intrusion, Region Entrance/Exit, ROI		
Alarm on Temperature	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones				Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones		
Accurate Fire Detection	10 detections				10 detections		
Alarm Input/Output	2/2, configurable				2/2, configurable		
Audio Input/Output	1/1				1/1		
Local Storage	MicroSD 64 GB max.				MicroSD 64 GB max.		
Ratings	IP66, UL/cUL Listed				IP66, UL/cUL Listed		
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)				-40° C to 65° C (-40° F to 149° F)		
Power Requirements (max.)	24VAC, 12VDC/3A, PoE+ (802.3at), 20 W				24VAC, 12VDC/3A, PoE+ (802.3at), 20 W		

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.

OUTDOOR BI-SPECTRUM BULLET

Model	DS-2TD2235D-25	DS-2TD2235D-50
	NEW RESOLUTION: Medium 2 MP	NEW RESOLUTION: Medium 2 MP
Thermal Sensor	Vanadium Oxide UFPA	Vanadium Oxide UFPA
Resolution	384x288	384x288
Lens	25 mm	50 mm
Field of View (HxV)	21.7°x16.4°	11.0°x8.2°
Spectral Response	8 µm to 14 µm	8 µm to 14 µm
NETD / MRAD	<50mK / 1	<50mK / 0.5
Minimum Focus Distance	13 m	50 m
Psuedo Colors	14	14
Optical Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.002 @ ƒ/1.2, AGC On B/W: 0.0002 @ ƒ/1.2, AGC On	Color: 0.002 @ ƒ/1.2, AGC On B/W: 0.0002 @ ƒ/1.2, AGC On
Lens / Field of View (HxV)	25 mm / 17.8° x 10°	36 mm / 11.4° x 6.4°
Day / Night	TRUE	TRUE
IR Range Max (meters)	120m, Smart IR	120m, Smart IR
Image Enhancement	3D DNR, BLC, AWB, WDR (120dB), EIS, Defog	3D DNR, BLC, AWB, WDR (120dB), EIS, Defog
Smart Features	Line cross, Intrusion, Region Entrance/Exit, ROI	Line cross, Intrusion, Region Entrance/Exit, ROI
Alarm on Temperature	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones
Accurate Fire Detection	10 detections	10 detections
Video Compression	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4
Main Stream (fps)	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720
Sub Stream (fps)	Thermal: 25 @ 160x120 Visible: 30 @ 704x480, 352x240, 176x120	Thermal: 25 @ 160x120 Visible: 30 @ 704x480, 352x240, 176x120
Alarm Input/Output	7/2	7/2
Audio Input/Output	1/1	1/1
Local Storage	MicroSD, 64 GB max.	MicroSD, 64 GB max.
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 55° C (40° F to 131° F)	-40° C to 55° C (40° F to 131° F)
Power Requirements (max.)	24VAC, 40 W	24VAC, 40 W

BI-SPECTRUM THERMAL PTZ CAMERAS - SMART PRO SERIES

	OUTDOOR BI-SPECTRUM PTZ DOME		OUTDOOR BI-SPECTRUM UPRIGHT PTZ			
	DS-2TD4035D-25	DS-2TD4035D-50	DS-2TD6135-50B2L	DS-2TD6135-75B2L	DS-2TD6166-50B2L	DS-2TD6166-75B2L
Model	NEW RESOLUTION: Medium 2 MP	NEW RESOLUTION: Medium 2 MP	NEW RESOLUTION: Medium 2 MP	NEW RESOLUTION: Medium 2 MP	NEW RESOLUTION: High 2 MP	NEW RESOLUTION: High 2 MP
Thermal Sensor / Resolution	Vanadium Oxide UFPA / 384x288	Vanadium Oxide UFPA / 384x288	Vanadium Oxide UFPA / 384x288	Vanadium Oxide UFPA / 384x288	Vanadium Oxide UFPA / 640x512	Vanadium Oxide UFPA / 640x512
Lens / Field of View (HxV)	25 mm / 21.7°x16.4°	50 mm / 11.0°x8.2°	50 mm / 11.0°x8.2°	75 mm / 7.3°x5.5°	50 mm / 12.4°x10.0°	75 mm / 8.3°x6.6°
Spectral Response / NETD	8 µm to 14 µm / <50mK	8 µm to 14 µm / <50mK	8 µm to 14 µm / <50mK	8 µm to 14 µm / <50mK	8 µm to 14 µm / <50mK	8 µm to 14 µm / <50mK
Psuedo Colors	14	14	14	14	14	14
Optical Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.3 @ ƒ/1.6, 1/30 sec, 50 IRE, AGC On B/W: 0.02 @ ƒ/1.6, 1/30 sec, 50 IRE, AGC On (True Day/Night)	Color: 0.3 @ ƒ/1.6, 1/30 sec, 50 IRE, AGC On B/W: 0.02 @ ƒ/1.6, 1/30 sec, 50 IRE, AGC On (True Day/Night)	Color: 0.02 @ ƒ/1.5, AGC On B/W: 0.002 @ ƒ/1.5, AGC On (True Day/Night)	Color: 0.02 @ ƒ/1.5, AGC On B/W: 0.002 @ ƒ/1.5, AGC On (True Day/Night)	Color: 0.02 @ ƒ/1.5, AGC On B/W: 0.002 @ ƒ/1.5, AGC On (True Day/Night)	Color: 0.02 @ ƒ/1.5, AGC On B/W: 0.002 @ ƒ/1.5, AGC On (True Day/Night)
Lens	4.3 to 129.0 mm, motorized zoom, autofocus	4.3 to 129.0 mm, motorized zoom, autofocus	8 to 250 mm, motorized zoom, autofocus	8 to 250 mm, motorized zoom, autofocus	8 to 250 mm, motorized zoom, autofocus	8 to 250 mm, motorized zoom, autofocus
Optical Zoom (Digital Zoom)	30x (16x)	30x (16x)	32x (16x)	32x (16x)	32x (16x)	32x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-15° to 90° (auto flip)	-40° to 90°	-40° to 90°	-40° to 90°	-40° to 90°
Pan & Tilt Speed (Manual)	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 110°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 110°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 110°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 110°/sec. Tilt: 0.1° to 50°/sec.
Pan & Tilt Speed (Preset)	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 50°/sec. Tilt: 50°/sec.	Pan: 50°/sec. Tilt: 50°/sec.	Pan: 50°/sec. Tilt: 50°/sec.	Pan: 50°/sec. Tilt: 50°/sec.
Image Enhancement	BLC, 3D DNR. WDR, EIS, Defog	BLC, 3D DNR. WDR, EIS, Defog	BLC, 3D DNR. WDR, EIS, Defog	BLC, 3D DNR. WDR, EIS, Defog	BLC, 3D DNR. WDR, EIS, Defog	BLC, 3D DNR. WDR, EIS, Defog
IR Range Max (Meters)	150 m, Smart IR	150 m, Smart IR	500 m, Smart IR	500 m, Smart IR	500 m, Smart IR	500 m, Smart IR
Smart Features/Presets/Tours/Patterns	PTZ Suite[1]/300/8/4	PTZ Suite[1]/300/8/4	PTZ Suite[1]/300/8/4	PTZ Suite[1]/300/8/4	PTZ Suite[1]/300/8/4	PTZ Suite[1]/300/8/4
Smart Tracking	Linkage between thermal and visible; panorama and event tracking	Linkage between thermal and visible; panorama and event tracking	Linkage between thermal and visible; panorama and event tracking	Linkage between thermal and visible; panorama and event tracking	Linkage between thermal and visible; panorama and event tracking	Linkage between thermal and visible; panorama and event tracking
Alarm on Temperature	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points or Zones
Accurate Fire Detection	10 detections with visible zoom, even while scannng	10 detections with visible zoom, even while scannng	10 detections with visible zoom, even while scannng	10 detections with visible zoom, even while scannng	10 detections with visible zoom, even while scannng	10 detections with visible zoom, even while scannng
Video Compression	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4	H.264 (Base/Main/High Profile)/ MJPEG/MPEG4
Main Stream (fps)	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	Thermal: 50 @ 640x512 Visible: 30 @ 1920x1080, 1280x960, 1280x720	Thermal: 50 @ 640x512 Visible: 30 @ 1920x1080, 1280x960, 1280x720
Sub Stream (fps)	Thermal: 25 @ 384x288 Visible: 30 @ 704x480, 352x240, 176x120	Thermal: 25 @ 384x288 Visible: 30 @ 704x480, 352x240, 176x120	Thermal: 25 @ 384x288 Visible: 30 @ 704x480, 352x240, 176x120	Thermal: 25 @ 384x288 Visible: 30 @ 704x480, 352x240, 176x120	Thermal: 50 @ 640x512 Visible: 30 @ 704x480, 352x240, 176x120	Thermal: 50 @ 640x512 Visible: 30 @ 704x480, 352x240, 176x120
Alarm Input/Output	7/2	7/2	7/2	7/2	7/2	7/2
Audio Input/Output	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 64 GB max.	MicroSD, 64 GB max.	MicroSD, 64 GB max.	MicroSD, 64 GB max.	MicroSD, 64 GB max.	MicroSD, 64 GB max.
Ratings	IP66 UL/cUL Listed	IP66 UL/cUL Listed	IP66 UL/cUL Listed	IP66 UL/cUL Listed	IP66 UL/cUL Listed	IP66 UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (40° F to 140° F)	-40° C to 60° C (40° F to 140° F)	-40° C to 60° C (40° F to 140° F)	-40° C to 60° C (40° F to 140° F)	-40° C to 60° C (40° F to 140° F)	-40° C to 60° C (40° F to 140° F)
Power Requirements (max.)	24VAC, 60W	24VAC, 60W	24VAC, 120W	24VAC, 120W	24VAC, 120W	24VAC, 120W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.

NETWORK VIDEO RECORDERS

PRO SERIES

	DS-9616NI-I8	DS-9632NI-I8	DS-9664NI-I8	DS-96128NI-I24/H	DS-96256NI-I24/H
Model	NEW			NEW	NEW
Max. Recording Resolution	12 MP	12 MP	12 MP	12 MP	12 MP
Video Compression	H.264, H264+, H.265, H.265+, MPEG4, MJPEG	H.264, H264+, H.265, H.265+, MPEG4, MJPEG	H.264, H264+, H.265, H.265+, MPEG4, MJPEG	H.264, H264+, H.265, H.265+, MPEG4, MJPEG	H.264, H264+, H.265, H.265+, MPEG4, MJPEG
HDMI/VGA Output	3840x2160/1920x1080 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	3840x2160/1920x1080 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	3840x2160/1920x1080 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	2 HDMI 4K (4096 x 2160)/4K (3840 × 2160) and 1 VGA at 1920x1080 Resolution, VGA/LCD Synchronous, HDMI1 and HDMI2 are Independent /H adds: 6 HDMI, 4K (3840x2160) resolution, each HDMI is Independent	2 HDMI 4K (4096 x 2160)/4K (3840 × 2160) and 1 VGA at 1920x1080 Resolution, VGA/LCD Synchronous, HDMI1 and HDMI2 are Independent /H adds: 6 HDMI, 4K (3840x2160) resolution, each HDMI is Independent
IP Video Inputs	16	32	64	128	256
Alarm Input/Output	16/4	16/4	16/4	16/8	16/8
USB	2 USB 2.0; 1 USB 3.0	2 USB 2.0; 1 USB 3.0	2 USB 2.0; 1 USB 3.0	1 USB 2.0; 2 USB 3.0	1 USB 2.0; 2 USB 3.0
RAID Support	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Internal SATA	8 SATA interfaces (up to 6 TB each)	8 SATA interfaces (up to 6 TB each)	8 SATA interfaces (up to 6 TB each)	24 SATA interfaces, hot-swap (up to 8 TB each)	24 SATA interfaces, hot-swap (up to 8 TB each)
Maximum Internal Storage	48 TB	48 TB	48 TB	192 TB	192 TB
eSATA Interface	Yes	Yes	Yes	---	---
Support DVD-RW	Yes, replaces 4x SATA	Yes, replaces 4x SATA	Yes, replaces 4x SATA	---	---
Max. Incoming Bandwidth (Mbps)	256 (200 with RAID)	320 (200 with RAID)	320 (200 with RAID)	768	768
Maximum Outgoing Bandwidth (Mbps)	256 (200 with RAID)	256 (200 with RAID)	256 (200 with RAID)	512	768
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	2	2	2	4	4
Power Requirements	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz
Power Consumption	≤30 W without HDD or DVD-R/W	≤30 W without HDD or DVD-R/W	≤30 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W

Standards: Complies with ONVIF (Profile S), CGI ASAPI. Contact factory for details.
[4]Requires rack shelf (not included) to mount in a 19" equipment rack; it is not recommended to rack mount the unit using rack rails and rack ears (not included) due to the weight. Weight without HDD ≤15.86 Kg (31.79 lb)

BLAZER EXPRESS AND HIKCENTRAL

BLAZER EXPRESS

Model	Blazer Express 16/16P	Blazer Express 32/16P	Blazer Express 32
	NEW	NEW	NEW
Form Factor	19 in, IU	19 in, I.5U	19 in, I.5U
Max. Recording Resolution	4K	4K	4K
Video Compression	H.264, H.264+	H.264, H.264+	H.264, H.264+
Operating System	Windows Embedded 7	Windows Embedded 7	Windows Embedded 7
VGA Output	1920x1080 / 1920x1080 (independent)	1920x1080 / 1920x1080 (independent)	1920x1080 / 1920x1080 (independent)
IP Video Inputs	16-ch IPC with integrated 16-port 802.3af/at PoE switch (≤220 W)	32-ch IPC with integrated 16-port 802.3af/at PoE switch (≤150 W)	32-ch IPC
Alarm Input/Output	4, 2	4, 2	4, 2
Audio in/out	1, 1	1, 1	1, 1
USB	4 × USB 2.0, 1 × USB 3.0	4 × USB 2.0, 1 × USB 3.0	4 × USB 2.0, 1 × USB 3.0
Internal SATA	8 SATA interfaces (up to 6 TB each)	8 SATA interfaces (up to 6 TB each)	8 SATA interfaces (up to 6 TB each)
Audio in/out	No	No	No
Maximum Internal Storage	2 HDDs connectable, up to 12 TB (HDDs sold separately)	4 HDDs connectable, up to 24 TB (HDDs sold separately)	4 HDDs connectable, up to 24 TB (HDDs sold separately)
SSD for OS	Yes (64 GB)	Yes (64 GB)	Yes (64 GB)
Network Interface	2 x 10M/100M/1000M self-adaptive Ethernet interfaces	2 x 10M/100M/1000M self-adaptive Ethernet interfaces	2 x 10M/100M/1000M self-adaptive Ethernet interfaces
Max Incoming Bandwidth (Mbps)	128 Mbps	128 Mbps	128 Mbps
Maximum Outgoing Bandwidth (Mbps)	64 Mbps	64 Mbps	64 Mbps
Ratings	---	---	---
Rack Units	1	2	2
Power Requirements	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz
Power Consumption	≤30 W without HDD (No POE interface in use)	≤30 W without HDD (No POE interface in use)	≤30 W without HDD

*HikCentral software only. Monitor not included.

HIKCENTRAL

Model	NEW	NEW *Software only
Form Factor	1U Rackmont server	Software Only, to be loaded on dedicated instance of Microsoft windows, as per Hikvision spec*
Function	Management Server for NVRs and CVRs	Management Server Software package for NVRs and CVRs
Maximum IP cameras or NVRs or DVRs or Blazer Express Connections	1024	1024
Maximum number of channels	3000	3000
Maximum number of alarm input or output	3000	3000
Maximum number of areas	3000	3000
Maximum number of roles	64	64
Maximum number of users	No software restriction	No software restriction
Maximum number of E-map	1024	1024
Maximum number of Central Video Recorder	32	32
Maximum number of Streaming Server connections	No software restriction	No software restriction
Maximum web client or control client connection concurrently	100	100
Maximum mobile client connection concurrently	100	100

OVERVIEW

Blazer Express and HikCentral

Blazer Express

A new, intelligent video management station, Blazer focuses on managing Hikvision IP cameras with the following key features:

- Windows-based NVR with the operating system on an SSD (Solid State Drive)
- 16- or 32-camera options with 16 built-in POE inputs for IP cameras, and up to 24 TB of onboard storage
- Central management, with live view and playback from up to 15 remote NVRs or Blazers
- Powerful Client Station with video analytic searches and POS integration

HikCentral

HikCentral is a Central Management Software (CMS) pre-loaded on a Windows-based server. Designed for central management of distributed sites, or large pool of cameras recording on Hikvision NVRs, DVRs & CVRs, HikCentral:

- Offers seamless management of 3,000 cameras per CMS
- Remote Server Manager (RSM) can be added to 100k+ cameras (available August 2017)
- Provides advanced user management, including Active Directory Integration
- Includes advanced Event & Alarm management (Video Analytics, POS & more)
- And gives users Health Monitoring on all connected devices

NETWORK CAMERAS - VALUE PLUS SERIES

	OUTDOOR DOME			OUTDOOR COMPACT DOME			OUTDOOR DOME		
	DS-2CD2122FWD-IS*	**DS-2CD2142FWD-IS***	**DS-2CD2152F-IS**	**DS-2CD2522FWD-IS***	**DS-2CD2542FWD-IS***	**DS-2CD2552F-IS**	**DS-2CD2722FWD-IZS***	**DS-2CD2742FWD-IZS***	**DS-2CD2752F-IZS**
Model	*Black model available **DS-2CD2122FWD-ISB** 2 MP	*Black model available **DS-2CD2142FWD-ISB** 4 MP	5 MP	*Black model available **DS-2CD2522FWD-ISB** 2 MP	*Black model available **DS-2CD2542FWD-ISB** 4 MP	5 MP	*Black model available **DS-2CD2722FWD-IZSB** 2 MP	*Black model available **DS-2CD2742FWD-IZSB** 4 MP	5 MP
Image Sensor	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR
Lens	Fixed, 4mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 2.8 mm @ ƒ/2.0 (4 mm, 6 mm option)	Fixed, 4mm @ ƒ/2.0 (6 mm option)	Fixed 4mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 2.8 mm @ ƒ/2.0 (4 mm, 6 mm option)	Fixed, 4mm @ ƒ/2.0 (2.8 mm, 6 mm option)	2.8 to 12 mm @ ƒ/1.4, motorized	2.8 to 12 mm @ ƒ/1.4, motorized	2.8 to 12 mm @ ƒ/1.4, motorized
Horizontal Angle of View	102° (2.8 mm), 85° (4 mm), 52 ° (6 mm)	106° (2.8 mm), 83° (4 mm), 56° (6 mm)	89° (4 mm), 54.7° (6 mm)	102° (2.8 mm), 85° (4 mm), 52 ° (6 mm)	106° (2.8 mm), 83° (4 mm), 56° (6 mm)	86° (2.8 mm), 89° (4 mm), 54.7° (6 mm)	106° to 35°	112° to 33.8°	91° to 28°
Pan/Tilt/Rotation	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	-30° to 30°/ 0° to 75°/0° to 360°	-30° to 30°/ 0° to 75°/0° to 360°	-30° to 30°/ 0° to 75°/0° to 360°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	No/120 dB	Yes/120 dB	Yes/Digital	Yes/120 dB	Yes/120 dB	Yes/Digital	Yes/120 dB	Yes/120 dB	Yes/Digital
IR Range Max. (meters)	30	30	30	10	10	10	30	30	30
Video Compression	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG
Maximum Image Resolution (pixels)	1920x1080	2688x1520	2560x1920	1920x1080	2688x1520	2560x1920	1920x1080	2688x1520	2688x1520
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720	20 @ 2560×1920, 30 @ 2048x1536, 1920×1080, 1280×720	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720	20 @ 2560×1920, 30 @ 2048x1536, 1920×1080, 1280×720	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720
Multi-Streaming	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	Mic: Built in OUT: 1 line	Mic: Built in OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Smart Features	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]
Ratings	IP67[5], IK10, UL/cUL Listed	IP67[5], IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK8, UL/cUL Listed	IP67, IK8, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP67[5], IK10, UL/cUL Listed	IP67[5], IK10, UL/cUL Listed	IP67[5], IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5.5 W	12 VDC, PoE (802.3af), 5.5 W	12 VDC, PoE (802.3af), 5.5 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[2]**Basic Smart Suite:** Line Crossing Detection, Intrusion Detection

PRECISION SECURITY AUSTRALIA

NETWORK CAMERAS - VALUE PLUS SERIES

	OUTDOOR TURRET			OUTDOOR BULLET						
	DS-2CD2322WD-I	DS-2CD2342WD-I	DS-2CD2352-I	DS-2CD2022WD-I	DS-2CD2042WD-I	DS-2CD2T22WD-I5	DS-2CD2T42WD-I5	DS-2CD2T52-I5	DS-2CD2622FWD-IZS	DS-2CD2642FWD-IZS
Model	EXIR 2 MP	EXIR 4 MP	EXIR 5 MP	2 MP	4 MP	EXIR 2 MP	EXIR 4 MP	EXIR 5 MP	2 MP	4 MP
Image Sensor	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR
Lens	Fixed, 2.8 mm @ ƒ/2.0 (4 mm, 6 mm option)	Fixed, 2.8 mm @ ƒ/2.0 (4 mm, 6 mm option)	Fixed, 2.8 mm @ ƒ/2.0 (4 mm, 6 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm option)	Fixed, 4 mm @ ƒ/1.4 (6 mm option)	2.8 to 12 mm @ ƒ/1.4, motorized	2.8 to 12 mm @ ƒ/1.4, motorized
Horizontal Angle of View	109° (2.8 mm), 90° (4 mm), 54° (6 mm)	106° (2.8 mm), 83° (4 mm), 56° (6 mm)	112° (2.8 mm), 89° (4 mm), 54.7° (6 mm)	85° (4 mm), 52° (6 mm)	82° (4 mm) , 55° (6 mm)	90° (4 mm), 54° (6 mm)	83° (4 mm), 56° (6 mm)	89° (4 mm), 54.7° (6 mm)	106° to 35°	112° to 33.8°
Pan/Tilt/Rotation	0° to 360°/ 0° to 75°/0° to 360°	0° to 360°/ 0° to 75°/0° to 360°	0° to 355°/ 0° to 75°/0° to 355°	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/Digital	No/120 dB	No/120 dB	Yes/120 dB	Yes/120 dB	Yes/Digital	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	30	30	30	30	30	50	50	50	30	30
Video Compression	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	H.264+/H.264/MJPEG
Maximum Image Resolution (pixels)	1920x1080	2688x1520	2560x1920	1920x1080	2688x1520	1920x1080	2688x1520	2560x1920	1920x1080	2688x1520
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720	20 @ 2560×1920, 30 @ 2048x1536, 1920×1080, 1280×720	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720	20 @ 2560×1920, 30 @ 2048x1536, 1920×1080, 1280×720	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720
Multi-Streaming	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	---	---	---	---	---	---	---	---	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	---	---	---	---	---	---	---	---	1/1	1/1
Local Storage	---	---	---	---	---	---	---	---	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Smart Features	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[4]	Basic Smart Suite[2]	Basic Smart Suite[4]	Basic Smart Suite[4]
Ratings	IP67[5], UL/cUL Listed	IP67[5], UL/cUL Listed	IP66, UL/cUL Listed	IP67[5], UL/cUL Listed3	IP67[5], UL/cUL Listed	IP67[5], UL/cUL Listed	IP67[5], UL/cUL Listed	IP66, UL/cUL Listed	IP67[5], UL/cUL Listed	IP67[5], UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 5.5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 7.5 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[4]**Basic Smart Suite:** Line Crossing, Intrusion Detection

PRECISION SECURITY AUSTRALIA

OVERVIEW

Hikvision Introduces Latest Technology - H.265+ Cameras

Hikvision announces a new line of cameras with its latest compression technology. H.265+ is able to greatly decrease the bitrate of the surveillance video so as to reduce the bandwidth and storage cost. Hikvision H.265+ is an optimized encoding technology based on the standard H.265/HEVC compression. It extends the application of the ultra HD video in video surveillance. This new line of cameras includes models with resolutions from 2 MP, 3 MP, 5 MP to 8 MP. Also new is the improved IR technology, EXIR 2.0, new Low-Light technology, 120dB WDR, expanded Smart analytics and IP67 protection. Hikvision continues to enhance its leadership in technology in the Art of Video Surveillance.

H.265+

H.265+ NETWORK CAMERAS - VALUE PLUS SERIES

	OUTDOOR MINI BULLET				OUTDOOR DOME		
	DS-2CD2025FWD-I	DS-2CD2035FWD-I	DS-2CD2055FWD-I	DS-2CD2085FWD-I	DS-2CD2125FWD-I	DS-2CD2135FWD-I	DS-2CD2155FWD-I
Model	NEW EXIR 2.0 2 MP	NEW EXIR 2.0 3 MP	NEW EXIR 2.0 5 MP	NEW EXIR 2.0 8 MP	NEW EXIR 2.0 2 MP	NEW EXIR 2.0 3 MP	NEW EXIR 2.0 5 MP
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS
Min. Illumination (lux)	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.027 lux @ ƒ/2.0, AGC ON, 0 lux with IR	Color: 0.027 lux @ ƒ/2.0, AGC ON, 0 lux with IR	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.027 lux @ ƒ/2.0, AGC ON, 0 lux with IR
Lens	Fixed, 2.8 mm @ ƒ/1.6 (4 mm, 6 mm, 8 mm option)	Fixed, 2.8 mm @ ƒ/1.6 (4 mm, 6 mm, 8 mm option)	Fixed, 2.8 mm@ ƒ/2.0 (4 mm, 6 mm, 8 mm option)	Fixed, 2.8 mm@ ƒ/2.0 (4 mm, 6 mm, 8 mm option)	Fixed 2.8 mm @ ƒ/1.6 (4 mm, 6 mm, 8 mm option)	Fixed 2.8 mm @ ƒ/1.6 (4 mm, 6 mm, 8 mm option)	Fixed 2.8 mm @ ƒ/2.0 (4 mm, 6 mm, 8 mm option)
Horizontal Angle of View	108°(2.8 mm), 86.4°(4 mm), 52°(6 mm), 40°,(8 mm)	98° (2.8 mm), 78.7° (4 mm), 48° (6 mm), 37° (8 mm)	81° (2.8 mm), 63.5° (4 mm), 50° (6 mm), 33° (8 mm)	102° (2.8 mm), 79° (4 mm), 50° (6 mm), 40° (8 mm)	108° (2.8 mm), 86.4° (4 mm), 52° (6 mm), 40° (8 mm)	98° (2.8 mm), 78.7° (4 mm), 48° (6 mm), 37° (8 mm)	80° (2.8 mm), 63.5° (4 mm), 50° (6 mm), 33° (8 mm)
Pan/Tilt/Rotation	0° to 360° / 0° to 90° / 0° to 360°	0° to 360° / 0° to 90° / 0° to 360°	0° to 360° / 0° to 90° / 0° to 360°	0° to 360° / 0° to 90° / 0° to 360°	0° to 355° / 0° to 75° / 0° to 355°	0° to 355° / 0° to 75° / 0° to 355°	0° to 355° / 0° to 75° / 0° to 355°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	30	30	30	30	30	30	30
Video Compression	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG
Maximum Image Resolution (pixels)	1920x1080	2048 × 1536	2560 × 1920	3840 × 2160	1920x1080	2048 × 1536	2560 × 1920
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x720	20 @ 2560x1920 30 @ 2560x1440, 2048x1536, 1920x1080, 1280x720	20 @ 3840x2160 30 @ 2560x1920, 2560x1440, 1920x1080, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x720	20 @ 2560x1920 30 @ 2560x1440, 2048x1536, 1920x1080, 1280x720
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple	Triple
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	---	---	---	---	---	---	---
Alarm Input/Output	---	---	---	---	---	---	---
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Smart Features	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]
Ratings	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7.5 W	12 VDC, PoE (802.3af), 6.5 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[3]**H.265+ Smart Suite:** Line crossing detection, Intrusion detection, Unattended baggage detection, Object removal detection, Face detection

H.265+ NETWORK CAMERAS - VALUE PLUS SERIES

	OUTDOOR DOME	OUTDOOR TURRET				OUTDOOR BULLET					
	DS-2CD2185FWD-I	DS-2CD2325FWD-I	DS-2CD2335FWD-I	DS-2CD2355FWD-I	DS-2CD2385FWD-I	DS-2CD2T25FWD-I5	DS-2CD2T35FWD-I5	DS-2CD2T55FWD-I5	DS-2CD2T85FWD-I5	DS-2CD2935FWD-IS	DS-2CD2955FWD-IS
Model	NEW EXIR 2.0 8 MP	NEW EXIR 2.0 2 MP	NEW EXIR 2.0 3 MP	NEW EXIR 2.0 5 MP	NEW EXIR 2.0 8 MP	NEW EXIR 2.0 2 MP	NEW EXIR 2.0 3 MP	NEW EXIR 2.0 5 MP	NEW EXIR 2.0 8 MP	NEW EXIR 2.0 3 MP	NEW EXIR 2.0 5 MP
Image Sensor	1/2.5" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.9" Progressive Scan CMOS	1/2.5" Progressive	1/2.8" Progressive	1/2.8" Progressive	1/2.9" Progressive	1/2.5" Progressive	1/2.8" Progressive	1/2.5" Progressive
Min. Illumination (lux)	Color: 0.027 lux @ ƒ/2.0, AGC ON, 0 lux with IR	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.027 lux @ ƒ/2.0, AGC ON, 0 lux with IR	Color: 0.027 lux @ ƒ/2.0, AGC ON, 0 lux with IR	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.008 lux @ ƒ/1.6, AGC ON, 0 lux with IR	Color: 0.01 lux @ ƒ/1.2	Color: 0.027 lux @ ƒ/2.0, AGC ON, 0 lux with IR	Color: 0.016 lux @ ƒ/2.2, AGC ON	Color: 0.033 lux @ ƒ/2.2, AGC ON, 0 lux with IR
Lens	Fixed 2.8 mm @ ƒ/2.0 (4 mm, 6 mm, 8 mm option)	Fixed 2.8 mm @ ƒ/1.6 (4 mm, 6 mm, 8 mm option)	Fixed 2.8 mm @ ƒ/1.6 (4 mm, 6 mm, 8 mm option)	Fixed 2.8 mm @ ƒ/2.0 (4 mm, 6 mm, 8 mm option)	Fixed 2.8 mm @ ƒ/2.0 (4 mm, 6 mm, 8 mm option)	Fixed 4 mm @ ƒ/1.6 (2.8 mm, 6 mm, 8 mm option)	Fixed 4 mm @ ƒ/1.6 (2.8 mm, 6 mm, 8 mm option)	Fixed 4 mm @ ƒ/2.0 (2.8 mm, 6 mm, 8 mm option)	Fixed 4 mm @ ƒ/2.0 (2.8 mm, 6 mm, 8 mm option)	1.16 mm @ ƒ/2.2	1.05 mm @ ƒ/2.2
Horizontal Angle of View	102° (2.8 mm), 79° (4 mm), 50° (6 mm), 40° (8 mm)	108° (2.8 mm), 86.4° (4 mm), 52° (6 mm), 40° (8 mm)	98° (2.8 mm), 78.7° (4 mm), 48° (6 mm), 37° (8 mm)	80° (2.8 mm), 63.5° (4 mm), 50° (6 mm), 33° (8 mm)	102° (2.8 mm), 79° (4 mm), 50° (6 mm), 40° (8 mm)	108° (2.8 mm), 86.4° (4 mm), 52° (6 mm), 40° (8 mm)	98° (2.8 mm), 78.7° (4 mm), 48° (6 mm), 37° (8 mm)	81° (2.8 mm), 63.5° (4 mm), 50° (6 mm), 33° (8 mm)	102° (2.8 mm), 79° (4 mm), 50° (6 mm), 40° (8 mm)	180° horizontal 180° vertical	180° horizontal 180° vertical
Pan/Tilt/Rotation	0° to 355° / 0° to 75° / 0° to 355°	0° to 355° / 0° to 75° / 0° to 355°	0° to 355° / 0° to 75° / 0° to 355°	0° to 355° / 0° to 75° / 0° to 355°	0° to 360° / 0° to 75° / 0° to 360°	0° to 360°/ 0° to 100°/ 0° to 360°	0° to 360°/ 0° to 100°/ 0° to 360°	0° to 360°/ 0° to 100°/ 0° to 360°	0° to 360°/ 0° to 100°/ 0° to 360°	---	---
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	30	30	30	30	30	50	50	50	50	8	8
Video Compression	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG	H.265+/H.265/ H.264+/H.264/MJPEG
Maximum Image Resolution (pixels)	3840 × 2160	1920x1080	2048 × 1536	2560 × 1920	3840 × 2160	1920 × 1080	2048 × 1536	2560 × 1920	3840 × 2160	2048 × 1536	2560 × 1920
Frame Rate (fps)	20 @ 3840x2160 30 @ 2560x1920, 2560x1440, 1920x1080, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x720	20 @ 2560x1920 30 @ 2560x1440, 2048x1536, 1920x1080, 1280x720	20 @ 3840x2160 30 @ 2560x1920, 2560x1440, 1920x1080, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x720	20 @ 2560x1920 30 @ 2560x1440, 2048x1536, 1920x1080, 1280x720	20 @ 3840x2160 30 @ 2560x1920, 2560x1440, 1920x1080, 1280x720	30 @ 2048x1536, 1600x1299, 1280x960	30 @ 2560x1920, 2048x1536, 1280x960
Multi-Streaming	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Triple	Dual	Dual
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	---	---	---	---	---	---	---	---	---	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	---	---	---	---	---	---	---	---	---	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Smart Features	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]	H.265+ Smart Suite[3]
Ratings	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10 °C to +50 °C (-14 °F to +122 °F)	-10 °C to +50 °C (-14 °F to +122 °F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 9 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 9 W	12 VDC, PoE (802.3af), 9 W	12 VDC, PoE (802.3af), 9 W	12 VDC, PoE (802.3af), 9.5 W	12 VDC, PoE (802.3af), 6.7 W	12 VDC, PoE (802.3af), 6.7 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[3]**H.265+ Smart Suite:** Line crossing detection, Intrusion detection, Unattended baggage detection, Object removal detection, Face detection

VALUE SOLUTIONS

NETWORK CAMERAS - VALUE SERIES

	INDOOR RECESSED DOME		OUTDOOR DOME		OUTDOOR COMPACT DOME			OUTDOOR DOME		
	DS-2CD2E10F	**DS-2CD2E20F**	**DS-2CD2112F-I**	**DS-2CD2132F-I**	**DS-2CD2510F**	**DS-2CD2512F-I**	**DS-2CD2520F**	**DS-2CD2532F-I**	**DS-2CD2712F-I**	**DS-2CD2732F-I**
Model	1.3 MP	2 MP	1.3 MP	3 MP	1.3 MP	1.3 MP	2 MP	3 MP	1.3 MP	3 MP
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.19 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0.0028 @ ƒ/2.0	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0.0028 @ ƒ/2.0	Color: 0.19 @ ƒ/2.0 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.01 @ ƒ/1.4 B/W: 0 with IR
Lens	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm, 12 mm option)	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm, 12 mm option)	Fixed, 2 mm @ ƒ/2.0	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 2 mm @ ƒ/2.0	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm option)	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual
Horizontal Angle of View	92.5° (2.8 mm), 73.1° (4 mm) , 46° (6 mm)	106° (2.8 mm), 85° (4 mm), 52° (6 mm)	92.5° (2.8 mm), 73.1° (4 mm), 46° (6 mm), 22° (12 mm)	86° (2.8 mm), 70° (4 mm), 43.3 (6 mm), 20.6° (12 mm)	115° (2 mm)	92.5° (2.8 mm), 73.1° (4 mm), 46° (6 mm)	126° (2 mm)	86° (2.8 mm), 70° (4 mm), 43.3° (6 mm)	98.4° to 30.2°	91.2° to 28.3°
Pan/Tilt/Rotation	0° to 355°/0° to 80°/na	0° to 355°/0° to 80°/na	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	±15°/0° to 90°/±15°	±30°/0° to 75°/0° to 360°	±15°/0° to 90°/±15°	±30°/0° to 75°/0° to 360°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°
Day/Night	Electronic	Electronic	TRUE	TRUE	Electronic	TRUE	Electronic	TRUE	TRUE	TRUE
BLC/WDR	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital
IR Range Max. (meters)	---	---	30	30	---	10	---	10	30	30
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/ MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Maximum Image Resolution (pixels)	1280x960	1920x1080	1280x960	2048x1536	1280x960	1280x960	1920x1080	2048x1536	1280x960	2048x1536
Frame Rate (fps)	30 @ 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1280x960, 1280x720	20 @ 2048x1536, 30 @ 1920x1080, 1280x720	30 @ 1280x960, 1280x720, 704x576	30 @ 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2048x1536 30 @ 1920x1080, 1280x720	30 @ 1280x960, 1280x720	20 @ 2048x1536 30 @ 1920x1080, 1280x720
Multi-Streaming	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Smart Features	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	---	---	---	---	---	---	---	---	---	---
Alarm Input/Output	---	---	---	---	---	---	---	1/1	---	---
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-10° C to 40° C (14° F to 104° F)	-10° C to 40° C (14° F to 104° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 4.2 W	12 VDC, PoE (802.3af), 4.5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 5 W	12 VDC, PoE (802.3af), 4 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 4 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[2]**Basic Smart Suite:** Line Crossing, Intrusion Detection

PRECISION SECURITY AUSTRALIA

NETWORK CAMERAS - VALUE SERIES

	OUTDOOR TURRET	OUTDOOR BULLET						INDOOR PINHOLE	COVERT	INDOOR FISHEYE
	DS-2CD2332-I	DS-2CD2012-I	DS-2CD2032-I	DS-2CD2212-I5	DS-2CD2232-I5	DS-2CD2612F-I	DS-2CD2632F-I	DS-2CD2D14WD	DS-2CD2D14WD/M	DS-2CD2942F-IS
Model	EXIR 3 MP	1.3 MP	3 MP	EXIR 1.3 MP	EXIR 3 MP	1.3 MP	3 MP	1 MP	1 MP	4 MP
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/4" progressive scan CMOS	1/4" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination (lux)	Color: 0.19 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.19 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.19 @ ƒ/2.0 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.1 @ ƒ/1.4 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0	Color: 0.028 @ ƒ/2.0	Color: 0.018 @ ƒ/1.6 B/W: 0.0018 @ ƒ/1.6 0 with IR
Lens	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm, 12 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm, 12 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm, 12 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm, 12 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm, 12 mm option)	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual	Pinhole, 3.2 mm @ ƒ/2.5	2.8 mm @ ƒ/2.0 or 4.0 mm @ ƒ/2.0	Fisheye, 1.6 mm, ƒ/1.6
Horizontal Angle of View	86° (2.8 mm), 70° (4 mm), 43.3° (6 mm), 20.6° (12 mm)	73.1° (4 mm), 46° (6 mm), 22° (12 mm)	70° (4 mm), 43.3° (6 mm), 20.6° (12 mm)	73.1° (4 mm), 46° (6 mm), 22° (12 mm)	70° (4 mm), 43.3° (6 mm), 20.6° (12 mm)	98.4° to 30.2°	91.2° to 28.3°	65° (3.2 mm)	67.3° (2.8 mm), 53° (4.0 mm)	186° (horizontal), 106° (vertical)
Pan/Tilt/Rotation	0° to 360°/ 0°to 75°/0° to 360°	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	0° to 360°/0° to 90°/na	0° to 360°/0° to 90°/na	---
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	Electronic	Electronic	TRUE
BLC/WDR	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	No/100 dB	No/100 dB	Yes/Digital
IR Range Max. (meters)	30	30	30	50	50	30	30	---	---	8
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Maximum Image Resolution (pixels)	2048x1536	1280x960	2048x1536	1280x960	2048x1536	1280x960	2048x1536	1280x720	1280x720	2560x1440
Frame Rate (fps)	20 @ 2048x1536 30 @ 1920x1080, 1280x720	30 @ 1280x960, 1280x720	20 @ 2048x1536 30 @ 1920x1080, 1280x720	30 @ 1280x960, 1280x720	20 @ 2048x1536 30 @ 1920x1080, 1280x720	30 @ 1280x960, 1280x720	20 @ 2048x1536 30 @ 1920x1080, 1280x720	30 @ 1280x720, 704x576, 640x480	30 @ 1280x720, 704x576, 640x480	15 @ 2560x1440 30 @ 1920x1080, 1280x720
Multi-Streaming	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Smart Features	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2] + tampering alarm, dynamic analysis, motion detection	Basic Smart Suite[2] + tampering alarm, dynamic analysis, motion detection	---
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	---	---	---	---	---	---	---	---	---	IN: 1 line OUT: 1 line
Alarm Input/Output	---	---	---	---	---	---	---	---	---	1/1
Local Storage	---	---	---	---	---	MicroSD, 128 GB max.	MicroSD, 128 GB max.	---	---	MicroSD, 128 GB max.
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10° C to 40° C (14° F to 104° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 9 W	12 VDC, PoE (802.3af), 9 W	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12 VDC, 3 W	12 VDC, 3 W	12 VDC, PoE (802.3af), 5.55 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[2]**Basic Smart Suite:** Line Crossing, Intrusion Detection

PRECISION SECURITY AUSTRALIA

FEATURED PRODUCT

New 4-inch Indoor/ Outdoor Value Series PTZ Domes

DS-2DE4A SERIES >

The DS-2DE4A Series of indoor/outdoor PTZ domes are a new breed of Value Series cameras that are designed to be as powerful as they are versatile. Featuring 2 MP and 3 MP models with 20x zoom lens and 50 meter IR capability, these cameras will provide protection in and around areas that are challenged by lighting conditions and require a discreet presence. Perfect for the entrances of buildings, these cameras feature an in-ceiling mount option and IP66 environmental ratings, to deliver superior performance in a compact package.

NETWORK PTZ CAMERAS - VALUE SERIES

	INDOOR PTeZ™		INDOOR PTZ		INDOOR/OUTDOOR PTZ			OUTDOOR PTZ
	DS-2DE2103-DE3/W	DS-2DE2202I-DE3/W	DS-2DE4220W-AE3	DS-2DE5230W-AE3	DS-2DE4A204IW-DE	DS-2DE4A220IW-DE	DS-2DE4A320IW-DE	DS-2DE3304W-DE
Model	PTeZ 1 MP	PTeZ 2 MP	NEW 2 MP	NEW 2 MP	NEW DarkFighter 2 MP	NEW 2 MP	NEW 3 MP	3 MP
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.9" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
Min. Illumination (lux)	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.05 @ ƒ/2.0 B/W: 0.01 @ ƒ/2.0	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.002 @ ƒ/1.6, AGC On B/W: 0.0002 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6
Lens	3.6 to 11 mm, 3x (effective)[5] via PTeZ™	3.6 to 8.6 mm, 2x (effective)[5] via PTeZ™	4.7 to 94 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus
Horizontal Angle of View	80° to 33°	80° to 64.5°	61.4° to 2.9°	65.5° to 2.1°	90.1° to 31°	61.4° to 2.9°	58.3° to 3.2°	105° to 33.5°
Optical Zoom (Digital Zoom)	3x (16x)	2x (16x)	20x (16x)	30x (16x)	4x (16x)	20x (16x)	20x (16x)	4x (16x)
Pan Range	0° to 350°	0° to 350°	360° endless	360° endless	360° endless	360° endless	360° endless	0° to 350°
Tilt Range	0° to 90° (auto flip)	+5° to 90°	-5° to 90°	-5° to 90° (auto flip)	5° to 90°	-5° to 90°	-5° to 90°	+5° to 90°
Pan & Tilt Speed (Manual)	Pan: 0.1° to 50°/sec. Tilt: 0.1° to 40°/sec.	Pan: 0.1° to 60°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 250°/sec. Tilt: 0.1° to 150°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 160°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 160°/sec.	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 160°/sec.	Pan: 0.1° to 60°/sec. Tilt: 0.1° to 50°/sec.
Pan & Tilt Speed (Preset)	Pan: 50°/sec. Tilt: 40°/sec.	Pan: 50°/sec. Tilt: 50°/sec.	Pan: 160°/sec. Tilt: 120°/sec.	Pan: 300°/sec. Tilt: 200°/sec.	Pan: 350°/sec. Tilt: 200°/sec.	Pan: 350°/sec. Tilt: 200°/sec.	Pan: 350°/sec. Tilt: 200°/sec.	Pan: 50°/sec. Tilt: 50°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	WDR, AGC, AWB, 3D DNR, HLC, BLC	DWDR, AGC, AWB, 3D DNR, HLC, BLC	DWDR, HLC, Defog, EIS	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	3D DNR, BLC, WDR, HLC	WDR, AGC, AWB, 3D DNR, HLC, BLC	WDR, AGC, AWB, 3D DNR, HLC, BLC	DWDR, AGC, AWB, 3D DNR, HLC, BLC
IR Range Max. (meters)	---	20	-	---	50	50	50	---
Smart Features	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]
Presets/Tours/Patterns	300/0/0	300/0/0	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4
Wireless	IEEE 802.11b/g/n	IEEE 802.11b/g/n	Yes	---	---	---	---	---
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.264/MJPEG
Maximum Image Resolution (pixels)	1280x720	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	2048x1536	2048x1536
Frame Rate (fps)	30 @ 1280x720	30 @ 1920x1080	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x960, 1280x720
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	-10° C to 50° C (14° F to 122° F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65° C (-22°F to 149°F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 6 W	12 VDC, PoE (802.3af), 9 W	24 VAC, PoE (802.3at), 18 W	24 VAC, PoE+ (802.3at), 18 W	24 VAC, PoE (802.3at), 18 W	12 VDC, PoE (802.3at), 18 W	12 VDC, PoE (802.3at), 18 W	12 VDC, PoE (802.3af), 8 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P
[2]**Basic Smart Suite:** Line Crossing, Intrusion Detection
[5]PTeZ™ cameras have a sensor-based zoom

NETWORK PTZ CAMERAS - VALUE SERIES

	OUTDOOR UPRIGHT PTZ		OUTDOOR PTZ			OUTDOOR IR PTZ				
	DS-2DY3220IW-DE	DS-2DY3220IW-DE4	DS-2DE4220W-AE	DS-2DE5230W-AE	DS-2DE5330W-AE	DS-2DE5220IW-AE	DS-2DE7230IW-AE	DS-2DE7330IW-AE	DS-2DE7430IW-AE	DS-2DE7530IW-AE
Model	NEW 2 MP	NEW 2 MP	NEW 2 MP	2 MP	NEW 3 MP	NEW 2 MP	2 MP	NEW 3 MP	NEW 4 MP	NEW 5 MP
Image Sensor	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS
Min. Illumination (lux)	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.005 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.005 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, AGC On, 0 with IR	Color: 0.02 @ ƒ/1.5, AGC On B/W: 0.002 @ ƒ/1.5, AGC On, 0 with IR	Color: 0.05 @ ƒ/1.6, AGC On B/W: 0.01 @ ƒ/1.6, 0 with IR	Color: 0.05 @ ƒ/1.5, AGC On B/W: 0.01 @ ƒ/1.5, 0 with IR	Color: 0.005 @ ƒ/1.5, AGC On B/W: 0.002 @ ƒ/1.5, 0 with IR	Color: 0.005 @ ƒ/1.5, AGC On B/W: 0.002 @ ƒ/1.5, 0 with IR
Lens	4.7 to 94 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus	4.7 to 94 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus	4.3 to 129 mm, motorized zoom, autofocus	5.9 to 177 mm, motorized zoom, autofocus	5.9 to 177 mm, motorized zoom, autofocus
Horizontal Angle of View	58.3° to 3.2°	58.3° to 3.2°	61.4° to 2.9°	65.5° to 2.1°	57.4° to 2.8°	58.3° to 3.2°	65.5° to 2.1°	57.4° to 2.8°	48.8° to 2.3°	51.3° to 2.7°
Optical Zoom (Digital Zoom)	20x (16x)	20x (16x)	20x (16x)	30x (16x)	30x (16x)	20x (16x)	30x (16x)	30x (16x)	30x (16x)	30x (16x)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-40° to 30°	-40° to 30°	-5° to 90°	-5° to 90° (auto flip)	-5° to 90°	-15° to 90°	-15° to 90° (auto flip)	-15° to 90°	-15° to 90°	-15° to 90°
Pan & Tilt Speed (Manual)	Pan: 0.1° to 60°/sec. Tilt: 0.1° to 30°/sec.	Pan: 0.1° to 60°/sec. Tilt: 0.1° to 30°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 250°/sec. Tilt: 0.1° to 150°/sec.	Pan: 0.1° to 250°/sec. Tilt: 0.1° to 150°/sec.	Pan: 0.1° to 400°/sec. Tilt: 0.1° to 200°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.
Pan & Tilt Speed (Preset)	Pan: 100°/sec. Tilt: 60°/sec.	Pan: 100°/sec. Tilt: 60°/sec.	Pan: 160°/sec. Tilt: 120°/sec.	Pan: 300°/sec. Tilt: 200°/sec.	Pan: 300°/sec. Tilt: 200°/sec.	Pan: 400°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Image Enhancement	WDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	WDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, HLC, Defog, EIS	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max. (meters)	100	100	---	---	---	150	150	150	150	150
Smart Features	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]	Basic Smart Suite[2]
Presets/Tours/Patterns	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4	300/8/4
Wireless	---	---	---	---	---	---	---	---	---	---
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264	H.265+/H.265/ H.264+/H.264
Max. Image Resolution (pixels)	1920x1080	1920x1080	1920x1080	1920x1080	2048x1536	1920x1080	1920x1080	2048x1536	2560x1536	2592x1944
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 2048x1536, 1920x1080, 1280x960, 1280x720	30 @ 2560x1536, 2048x1536, 1920x1080, 1280x960, 1280x720	30 @ 2592x1944, 2560x1536, 2048x1536, 1920x1080, 1280x960, 1280x720
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature range	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30°C to 65°C (-22°F to 149°F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24 VAC, PoE (802.3at), 19 W	24 VAC, PoE (802.3at), 19 W	24 VAC, PoE (802.3at), 18 W	24 VAC, PoE+ (802.3at), 18 W	24 VAC, PoE (802.3at), 18 W	24 VAC, HiPoE, 32 W	24 VAC, Hi-PoE (802.3at), 40 W	24 VAC, Hi-PoE (802.3at), 40 W	24 VAC, Hi-PoE (802.3at), 40 W	24 VAC, Hi-PoE (802.3at), 40 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details; Command Protocols: Hikvision and Pelco D/P

[2]**Basic Smart Suite:** Line Crossing, Intrusion Detection

NETWORK VIDEO RECORDERS

PLUG-AND-PLAY

	DS-7604NI-E1/4P	DS-7608NI-E2/8P	DS-7608NI-I2/8P	DS-7616NI-E2/16P	DS-7616NI-I2/16P	DS-7716NI-I4/16P	DS-7732NI-I4	DS-7732NI-I4/16P
Model								
Max. Recording Resolution	6 MP	6 MP	12 MP	6 MP	12 MP	12 MP	12 MP	12 MP
Video Compression	H.264, H.264+	H.264, H.264+	H.264, H264+, H.265, H.265+, MPEG4	H.264, H.264+	H.264, H264+, H.265, H.265+, MPEG4	H.264, H264+, H.265, H.265+, MPEG4	H.264, H264+, H.265, H.265+, MPEG4	H.264, H264+, H.265, H.265+, MPEG4
HDMI/VGA Output	1920x1080/1920x1080, synchronized output	1920x1080/1920x1080, synchronized output	3840x2160/1920x1080, 1920x1080/1920x1080, independent output	1920x1080/1920x1080, synchronized output	3840x2160/1920x1080, 1920x1080/1920x1080, independent output	3840x2160/1920x1080, 1920x1080/1920x1080, independent output	3840x2160/1920x1080, 1920x1080/1920x1080, independent output	3840x2160/1920x1080, 1920x1080/1920x1080, independent output
IP Video Input	4-ch IPC with integrated 4-port 802.3af/at PoE switch	8-ch IPC with integrated 8-port 802.3af/at PoE switch	8-ch IPC with integrated 8-port 802.3af/at PoE switch	16-ch IPC with integrated 16-port 802.3af/at PoE switch	16-ch IPC with integrated 16-port 802.3af/at PoE switch	16-ch IPC with integrated 16-port 802.3af/at PoE switch	---	16-ch IPC with integrated 16-port 802.3af/at PoE switch
Audio Input/Output	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out	1 line in/1 line out
Alarm Input/Output	4 ch/1 ch	4 ch/1 ch	4 ch/1 ch	4 ch/1 ch	4 ch/1 ch	16 ch/4 ch	16 ch/4 ch	16 ch/4 ch
USB	1 USB 2.0; 1 USB 3.0	1 USB 2.0; 1 USB 3.0	1 USB 2.0; 1 USB 3.0	1 USB 2.0; 1 USB 3.0	1 USB 2.0; 1 USB 3.0	3 USB 2.0	2 USB 2.0, 1 USB 3.0	2 USB 2.0, 1 USB 3.0
Internal SATA	1 SATA interface (up to 6 TB each)	2 SATA interfaces (up to 6 TB each)	2 SATA interfaces (up to 6 TB each)	2 SATA interfaces (up to 6 TB each)	2 SATA interfaces (up to 6 TB each)	4 SATA interfaces (up to 6 TB each)	4 SATA interfaces (up to 6 TB each)	4 SATA interfaces (up to 6 TB each)
eSATA Interface	---	---	---	---	---	Yes	Yes	Yes
Max. Internal Storage	6 TB	12 TB	12 TB	12 TB	12 TB	24 TB	24 TB	24 TB
Support DVD-RW	---	---	---	---	---	Yes, replaces 2x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA
Max. Incoming Bandwidth (Mbps)	40	80	80	160	160	160	256	256
Maximum Outgoing Bandwidth (Mbps)	80	80	256	80	256	256	256	256
Max. Remote Connections	128	128	128	128	128	128	128	128
Rack Units	1	1	1	1	1	1.5	1.5	1.5
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
PoE Budget	50 W	120 W	180 W	200 W	280 W	300 W	300 W	300 W
Power Requirements	48VDC, ≤10W without HDD	100 to 240 VAC, ≤10W without HDD	100 to 240 VAC, ≤15W without HDD	100 to 240 VAC, ≤15W without HDD	100 to 240 VAC, ≤15W without HDD	100 to 240 VAC, ≤20W without HDD	100 to 240 VAC, ≤20W without HDD	100 to 240 VAC, ≤20W without HDD

Standards: Complies with ONVIF (Profile S), CGI ASAPI. Contact factory for detais; Command Protocols: Hikvision and Pelco D/P protocols

NETWORK CAMERAS - VALUE SERIES

	OUTDOOR WI-FI DOME		WI-FI COMPACT DOME		WI-FI CUBE		INDOOR WI-FI PTeZ™		INDOOR PTZ
	DS-2CD2112F-IWS	DS-2CD2132F-IWS	DS-2CD2522FWD-IWS	DS-2CD2542FWD-IWS	DS-2CD2412F-IW	DS-2CD2432F-IW	DS-2DE2103-DE3/W	DS-2DE2202I-DE3/W	DS-2DF5220S-DE4/W
Model	1.3 MP	3 MP	2 MP	4 MP	1.3 MP	3 MP	PTeZ 1 MP	PTeZ 2 MP	2 MP
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.19 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.28 @ ƒ/2.0 B/W: 0 with IR	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.1 @ ƒ/2.0 B/W: 0.01 @ ƒ/2.0	Color: 0.3 @ ƒ/1.6 B/W: 0.02 @ ƒ/1.6
Lens	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 4 mm @ ƒ/2.0 (6 mm option)	Fixed, 4 mm @ ƒ/2.0 (2.8 mm, 6 mm option)	Fixed, 4 mm @ ƒ/2.0 (2.8 mm option)	Fixed, 4 mm @ ƒ/2.0 (2.8 mm option)	3.6 to 11 mm, 3x (effective)[5] via PTeZ™	3.6 to 8.6 mm, 2x (effective)[5] via PTeZ™	4.7 to 94 mm, motorized zoom, autofocus, 20x
Horizontal Angle of View	92.5° (2.8 mm), 73.1° (4 mm), 46° (6 mm)	98.5° (2.8 mm), 79° (4 mm) , 49° (6 mm)	85° (4 mm), 52° (6 mm)	106° (2.8 mm), 83° (4 mm), 56° (6 mm)	92.5° (2.8 mm), 73.1° (4 mm)	86° (2.8 mm), 79° (4 mm)	80° to 33°	80° to 64.5°	58.3° to 3.2°
Pan/Tilt/Rotation	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°	-30° to 30°/ 0° to 75°/ 0° to 360°	-30° to 30°/ 0° to 75°/ 0° to 360°	3-Axis Positioning	3-Axis Positioning	Pan: 0.1° to 50°/sec. Tilt: 0.1° to 40°/sec.	0° to 350°/ 0° to 90°/NA	360° endless/ -30° to 90° (auto flip)/NA
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/Digital	Yes/Digital	No/120 dB	No/120 dB	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital
IR Range Max. (meters)	30	30	10	10	10	10	---	20	---
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Maximum Image Resolution (pixels)	1280x960	2048x1536	1920x1080	2688x1520	1280x960	2048x1536	1280x720	1920x1080	1920x1080
Frame Rate (fps)	30 @ 1280x960, 1280x720	20 @ 2048x1536, 30 @ 1920 x 1080, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720	30 @ 1280x960, 1280x720	20 @ 2048x1536 30 @ 1920x1080	30 @ 1280x720	30 @ 1920x1080	30 @ 1920x1080, 1280x960, 1280x720
Multi-Streaming	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wireless	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	OUT: 1 line Mic: Built in	OUT: 1 line Mic: Built in	Built-in mic and speaker	Built-in mic and speaker	OUT: 1 line Mic: Built in	OUT: 1 line Mic: Built in	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
Ratings	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK8, UL/cUL Listed	IP67, IK8, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	0° C to 40° C (-22° F to 104° F)	0° C to 40° C (-22° F to 104° F)	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 5 W, PSU included	12 VDC, PoE (802.3af), 5 W, PSU included	12 VDC, PoE (802.3af), 5 W, PSU included	12 VDC, PoE (802.3af), 5 W, PSU included	12 VDC, PoE (802.3af), 5 W, PSU included	12 VDC, PoE (802.3af), 5 W, PSU included	12 VDC, PoE (802.3af), 5.5 W, PSU included	12 VDC, PoE (802.3af), 9 W, PSU included	12 VDC, PoE+ (802.3at), 24 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[5]PTeZ™ cameras have a sensor-based zoom

NETWORK VIDEO RECORDERS

	WI-FI NVR	
	DS-7104NI-SL/W	DS-7108NI-E1/V/W/1T (with 1 TB HDD)
Model		
Video Compression	H.264	H.264
HDMI/VGA Output	1920x1080/ 1920x1080	1920x1080 /-
IP Video Input	4-ch	8-ch
Network Interface	1 LAN	1 WAN, 3 LAN
Wireless	IEEE 802.11b/g/n	IEEE 802.11b/g/n
Audio Input/Output	1 / 1	-/ 1 (HDMI)
USB	2 USB 2.0	1 USB 3.0
Internal SATA	1 (up to 4 TB)	1 (1 TB HDD included)
Max. Incoming Bandwidth (Mbps)	25 Mbps	50 Mbps
Maximum Outgoing Bandwidth (Mbps)	40 Mbps	80 Mbps
Max. Remote Connections	128	128
Ratings	UL/cUL Listed	UL/cUL Listed
Power Requirements	12 VDC, PSU included	12 VDC, PSU included
Max. Total Power w/ full HDD load	16 W	12 W

Standards: Complies with ONVIF (Profile S), PSIA, CGI ASAPI. Contact factory for details; Command Protocols: Hikvision and Pelco D/P protocols

FEATURED PRODUCTS

IP Kits NEW

Hikvision introduces its first series of complete recorder and camera kits for single-site applications. The Kits contain a recorder and multiple cameras in a single box, suitable for DIY applications like a residence or a small business. The IP Kits will include 4 and 8 channel recorders along with 4 and 6 cameras respectively.

Super Value Kits

I7604N1TA

Includes Four 1080P Outdoor IR Domes (DS-2CD2120F-I) and one 4-channel NVR (DS-7604NI-EV1/4P)

I7608N2TA

Includes Six 1080P Outdoor IR Domes (DS-2CD2120F-I) and one 8-channel NVR (DS-7608NI-EV2/8P)

Performance Kits

I7604N1TP

Includes Four 4 MP Outdoor IR Turrets (DS-2CD2342WD-I) and one 4-channel NVR (DS-7604NI-EV1/4P)

I7608N2TP

Includes Six 4 MP Outdoor IR Turrets (DS-2CD2342WD-I) and one 8-channel NVR (DS-7608NI-EV2/8P)

IP KITS

	OUTDOOR DOME	OUTDOOR TURRET
	DS-2CD2120F-I	DS-2CD2342WD-I
Model	2 MP	4 MP
Image Sensor	1/2.8" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR
Lens	Fixed, 2.8 mm @ ƒ/2.0	Fixed, 2.8 mm @ ƒ/2.0
Horizontal Angle of View	106° (2.8 mm)	106° (2.8 mm)
Pan/Tilt/Rotation	0° to 355° / 0° to 75° / 0° to 355°	0° to 360° / 0° to 75° / 0° to 360°
Day/Night	TRUE	TRUE
BLC/WDR	Yes/Digital	Yes/120 dB
IR Range Max (meters)	30	30
Video Compression	H.264/MJPEG	H.264+/H.264/MJPEG
Max. Image Resolution (pixels)	1920x1080	2688x1520
Frame Rate (fps)	30 @ 1920x1080, 1280x960, 1280x720	20 @ 2688x1520 30 @ 1920x1080, 1280x720
Multi-Streaming	Dual	Dual
Motion Detection	Yes	Yes
Audio Input/Output	---	---
Alarm Input/Output	---	---
Local Storage	---	---
Smart Features	Basic Smart Suite[2]	Basic Smart Suite[2]
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 5.3 W	12 VDC, PoE (802.3af), 7.5 W

	4-CH NVR	8-CH NVR
	DS-7604NI-EV1/4P	DS-7608NI-EV2/8P
Model		
Max. Recording Resolution	5 MP	5 MP
Video Compression	H.264, H.264+	H.264, H.264+
HDMI/VGA Output	1920x1080/1920x1080, synchronized output	1920x1080/1920x1080, synchronized output
IP Video Input	4-ch IPC with integrated 4-port 802.3af/at PoE switch	8-ch IPC with integrated 8-port 802.3af/at PoE switch
Audio Input/Output	1 line in/1 line out	1 line in/1 line out
Alarm Input/Output	4 ch/1 ch	4 ch/1 ch
USB	1 USB 2.0; 1 USB 3.0	1 USB 2.0; 1 USB 3.0
Internal HDD	1 TB	2 TB
Max. Internal Storage	6 TB	6 TB
Max Incoming Bandwidth (Mbps)	40	60
Maximum Outgoing Bandwidth (Mbps)	60	60
Max. Remote Connections	128	128
Rack Units	1	1
Ratings	UL/cUL Listed	UL/cUL Listed
PoE Budget	50 W	120 W
Power Requirements	48VDC, ≤10W without HDD	100 to 240 VAC, ≤10W without HDD

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[2]**Basic Smart Suite:** Line Crossing, Intrusion Detection

PRECISION SECURITY AUSTRALIA

TurboHD™ KITS

	4-CH DVR	8-CH DVR
	DS-7104HQHI-F1/NB	DS-7108HQHI-F1/NB
Model		
Max. Recording Resolution	2 MP	2 MP
Video Compression	H.264	H.264
HDMI/VGA Output	1920 x 1080/60Hz, 1280 x 1024/60 Hz, 1280 x 720/60Hz, 1024 x 768/60Hz	1920 x 1080/60Hz, 1280 x 1024/60 Hz, 1280 x 720/60Hz, 1024 x 768/60Hz
Spot Monitor Output (BNC)	No	No
Analog Input	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Two-Way Audio Input	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)
USB 2.0	2 x USB 2.0	2 x USB 2.0
RAID Support	---	---
Internal SATA	1 port	1 port
Internal Storage	1 TB	1 TB
Support DVD-RW	No	No
Max. fps 720p/1080p HD-TVI	12fps with included cameras	12fps with included cameras
Hikvision IP Camera Support	No	No
OSD Menu–Up-the-Coax	Supported	Supported
eSATA Interface	No	No
Smart Play	Yes	Yes
Ratings	UL/cUL Listed	UL/cUL Listed
Power Requirements	12 VDC, ≤ 12W	13 VDC, ≤ 12W

	OUTDOOR TURRET	OUTDOOR DOME
	DS-2CE56D0T-IR	DS-2CE56D7T-VPIT
Model	2 MP	2 MP
Image Sensor	2 MP CMOS	2 MP CMOS
Min. Illumination (lux)	Color: 0.028 @ ƒ/2.0, AGC on, 0 lux with IR	Color: 0.034 @ ƒ/2.0, AGC on, 0 lux with IR
HD-TVI Resolution	1080p	1080p
Lens	Fixed, 2.8 mm @ ƒ/2.0	Fixed, 2.8 mm @ ƒ/2.0
Horizontal Angle of View	103°	103°
Pan/Tilt/Rotation	0° to 360°/ 0° to 180°/0° to 360°	0° to 340°/ 0° to 75°/0° to 355°
Day/Night	True (ICR)	True (ICR)
BLC/WDR	Yes	Yes
IR Range (meters)	20	20
Vertical Synchronization	Internal	Internal
OSD Menu	Yes, over UTC	Yes, over UTC
Ratings	IP66, UL/cUL Listed	IK10, IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12 VDC , 1 W	13 VDC, 5 W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.
[2]**Basic Smart Suite:** Counting, ROI, EIS, Defog

FEATURED PRODUCTS

TurboHD Kits NEW

Hikvision introduces its first series of complete recorder and camera kits for single-site applications. The Kits contain a recorder and multiple cameras in a single box, suitable for DIY applications like a residence or a small business. The TurboHD Kits will include 4 and 8 channel recorders along with 4 and 6 cameras respectively.

Super Value Kits

T7104Q1TA

Includes Four 1080P Outdoor IR Turrets (DS-2CE56D0T-IR) and one 4-channel DVR (DS-7104HQHI-F1/NB)

T7108Q2TA

Includes Six 1080P Outdoor IR Turrets (DS-2CE56D0T-IR) and one 8-channel DVR (DS-7108HQHI-F1/NB)

Performance Kits

T7104Q1TB

Includes Four 1080P Outdoor IR Domes (DS-2CE56D7T-VPIT) and one 4-channel DVR (DS-7104HQHI-F1/NB)

T7108Q2TB

Includes Six 1080P Outdoor IR Domes (DS-2CE56D7T-VPIT) and one 8-channel DVR (DS-7108HQHI-F1/NB)

PRECISION SECURITY AUSTRALIA

OVERVIEW

Enjoy HD with existing cabling

Based on HD-TVI technology, Hikvision's TurboHD™ products provide high definition (HD) video over coaxial cable at distances of up to 1500 feet. Specially designed for analog users who want a high-definition surveillance system, this line allows users to enjoy HD without upgrading to IP or even replacing their existing cabling structures. Providing impressive image quality, the camera line offers incredibly durable, vandal proof products with features such as OSD menu via Up-the-Coax (UTC), EXIR illumination, motorized zoom and focus, and 120 dB WDR.

The TurboHD™ Plug and Play DVR products offer several models scaled for small to medium businesses with 4 to 32 channels. All TurboHD DVRs are tribrid—a true revolution in the professional surveillance market—supporting traditional analog (CVBS), HD-TVI, and IP cameras. Thanks to autosensing technology, installation is a breeze. These DVR products also provide H.264 and Hikvision's unique H.264+ video compression, and up to 48 TB of recording space.

TurboHD3

TurboHD™ 3.0 ANALOG CAMERAS - 2 MP AND 3 MP

	OUTDOOR DOME	OUTDOOR BULLET	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR TURRET
	DS-2CE56D7T-VPIT	DS-2CE16D7T-IT	DS-2CE56D7T-ITM	DS-2CE16D7T-IT5	DS-2CE56D7T-IT3	DS-2CE16D7T–AIT3Z	DS-2CE56D7T-IT3Z
Model	EXIR 2 MP	EXIR 2 MP	EXIR 2 MP	EXIR 2 MP	EXIR 2 MP	EXIR 2 MP	EXIR 2 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI
Image Sensor	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	---	---	---	---	---	---	---
Min. Illumination (lux)	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.03 @ ƒ/1.4 B/W: 0 with IR	Color: 0.03 @ ƒ/1.4 B/W: 0 with IR
Lens	Fixed, 3.6 mm @ ƒ/2.5 (6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (6 mm, 12 mm option)	Fixed, 2.8 mm @ ƒ/2.5 (3.6 mm, 6 mm option)	2.8 -12 mm, motorized lens	2.8 -12 mm, motorized lens
Horizontal Angle of View	82.2° (3.6 mm), 54° (6 mm)	103° (2. 8mm), 82.2° (3.6 mm), 54° (6 mm)	103° (2.8 mm), 82.2° (3.6 mm)	82.2°(3.6 mm), 54°(6 mm), 24.3°(12 mm)	103° (2.8 mm), 82.2° (3.6 mm), 54° (6 mm)	35.1° to 114.5°	35.1° to 114.5°
Pan/Tilt/Rotation	0° to 340°/ 0° to 75°/0° to 355°	3-Axis Positioning	0° to 360°/ 0° to 75°/0° to 360°	3-Axis Positioning	0° to 360°/ 0° to 75°/0° to 360°	3-Axis Positioning	0° to 360°/ 0° to 75°/0° to 360°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	20	20	20	80	40	40	40
Vertical Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 5 W 24 VAC, 9 W	12 VDC, 6 W

TurboHD Cameras Accessories: Video Balun DS-1H18. See page 49 for details.

TurboHD 3

TurboHD™ 3.0 ANALOG CAMERAS - 2 MP AND 3 MP

	INDOOR DOME	OUTDOOR DOME		OUTDOOR BULLET	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR TURRET	INDOOR DOME	OUTDOOR DOME
	DS-2CE56D7T-AITZ	DS-2CE56D7T-AVPIT3Z	DS-2CE56F7T-VPIT	DS-2CE16F7T-IT	DS-2CE56F7T-ITM	DS-2CE16F7T-IT5	DS-2CE56F7T-IT3	DS-2CE16F7T–AIT3Z	DS-2CE56F7T-IT3Z	DS-2CE56F7T-AITZ	DS-2CE56F7T–AVPIT3Z
Model	EXIR 2 MP	EXIR 2 MP	EXIR 3 MP	EXIR 3 MP	EXIR 3 MP	EXIR 3 MP	EXIR 3 MP	EXIR 3 MP	EXIR 3 MP	EXIR 3 MP	EXIR 3 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI
Image Sensor	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
HD-TVI Resolution	1920x1080	1920x1080	1920x1536	1920x1536	1920x1536	1920x1536	1920x1536	1920x1536	1920x1536	1920x1536	1920x1536
CVBS Resolution	---	---	---	---	---	---	---	---	---	---	---
Min. Illumination (lux)	Color: 0.03 @ ƒ/1.4 B/W: 0 with IR	Color: 0.03 @ ƒ/1.4 B/W: 0 with IR	Color: 0.070 @ ƒ/2.5 B/W: 0 with IR	Color: 0.070 @ ƒ/2.5 B/W: 0 with IR	Color: 0.070 @ ƒ/2.5 B/W: 0 with IR	Color: 0.070 @ ƒ/2.5 B/W: 0 with IR	Color: 0.070 @ ƒ/2.5 B/W: 0 with IR	Color: 0.038 @ ƒ/1.4 B/W: 0 with IR	Color: 0.038 @ ƒ/1.4 B/W: 0 with IR	Color: 0.038 @ ƒ/1.4 B/W: 0 with IR	Color: 0.038 @ ƒ/1.4 B/W: 0 with IR
Lens	2.8 -12 mm, motorized lens	2.8 -12 mm, motorized lens	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	2.8 -12 mm, motorized lens	2.8 -12 mm, motorized lens	2.8 -12mm, motorized lens	2.8 -12 mm, motorized lens
Horizontal Angle of View	35.1° to 114.5°	35.1° to 114.5°	84° (2.8 mm), 67.8° (3.6 mm), 44.6 (6 mm)	84° (2.8 mm), 67.8° (3.6 mm), 44.6 (6 mm)	84° (2.8 mm), 67.8° (3.6 mm)	67.8° (3.6 mm), 44.6 (6 mm)	84° (2.8 mm), 67.8° (3.6 mm), 44.6 (6 mm)	26.8° to 83°	26.8° to 83°	26.8° to 83°	26.8° to 83°
Pan/Tilt/Rotation	0° to 355°/ 0° to 75°/0° to 355°	0° to 340°/ 0° to 75°/0° to 355°	0° to 340°/ 0° to 75°/0° to 355°	3-Axis Positioning	0° to 360°/ 0° to 75°/0° to 360°	3-Axis Positioning	0° to 360°/ 0° to 75°/0° to 360°	3-Axis Positioning	0° to 360°/ 0° to 75°/0° to 360°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	30	40	20	20	20	80	40	40	40	30	40
Vertical Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12 VDC, 4.5 W 24 VAC, 6.5 W	12 VDC, 4.5 W 24 VAC, 6.5 W	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 5 W	12 VDC, 6W 24 VAC, 9W	12 VDC, 6W	12 VDC, 4.5W 24 VAC, 6.5W	12 VDC, 4.5W 24 VAC, 6.5W

TurboHD Cameras Accessories: Video Balun DS-1H18. See page 49 for details.

TurboHD3

TurboHD™ 3.0 ANALOG CAMERAS - 5 MP

	OUTDOOR DOME	OUTDOOR BULLET		OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR TURRET		OUTDOOR BULLET	OUTDOOR TURRET	INDOOR DOME	OUTDOOR DOME
	DS-2CE56H1T-VPIT	DS-2CE16H1T-IT1	DS-2CE16H1T-IT3	DS-2CE56H1T-ITM	DS-2CE16H1T-IT5	DS-2CE56H1T-IT1	DS-2CE56H1T–IT3	DS-2CE16H1T–AIT3Z	DS-2CE56H1T-IT3Z	DS-2CE56H1T-AITZ	DS-2CE56H1T–AVPIT3Z
Model	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP	NEW EXIR 5 MP
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI	HD-TVI
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
HD-TVI Resolution	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)	2592 (H) x1944 (V)
CVBS Resolution	---	---	---	---	---	---	---	---	---	---	---
Min. Illumination (lux)	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR	Color: 0.053 @ ƒ/2.5 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR	Color: 0.01 @ ƒ/1.2 B/W: 0 with IR
Lens	Fixed, 2.8 mm, 3.6 mm and 6 mm	Fixed, 2.8 mm, 3.6 mm and 6 mm	Fixed, 2.8 mm, 3.6 mm, 6 mm, 12 mm	Fixed, 2.8 mm, 3.6 mm and 6 mm	Fixed, 3.6 mm, 6 mm, 12 mm	Fixed, 2.8 mm, 3.6 mm and 6 mm	Fixed, 2.8 mm, 3.6 mm, 6 mm, 12 mm	2.8 -12 mm motorized lens	2.8 -12 mm motorized lens	2.8 -12 mm motorized lens	2.8 -12 mm motorized lens
Horizontal Angle of View	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm)	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm)	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm), 20.9° (12 mm)	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm)	70.1° (3.6 mm), 46° (6 mm), 20.9° (12 mm)	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm)	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm), 20.9° (12 mm)	27.7° to 86.8° (2.8 to 12 mm)	27.7° to 86.8° (2.8 to 12 mm)	27.7° to 86.8° (2.8 to 12 mm)	27.7° to 86.8° (2.8 to 12 mm)
Pan/Tilt/Rotation	0° to 340° / 0° to 75° / 0° to 355°	3-Axis Positioning	3-Axis Positioning	0° to 360° / 0° to 75° / 0° to 360°	3-Axis Positioning	0° to 360° / 0° to 75° / 0° to 360°	0° to 360° / 0° to 90° / 0° to 360°	3-Axis Positioning	0° to 360° / 0° to 75° / 0° to 360°	0° to 355° / 0° to 75° / 0° to 355°	0° to 340° / 0° to 75° / 0° to 355°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	20	20	40	20	80	20	40	40	40	30	40
Vertical Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP65, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W; -A 24VAC +/-20%, 9W	12 VDC +/-30%, 5 W	12 VDC +/-30%, 5 W; -A 24VAC +/-20%, 9W	12 VDC +/-30%, 5 W; -A 24VAC +/-20%, 9W

TurboHD Cameras Accessories: Video Balun DS-1H18. See page 49 for details.

TurboHD

TurboHD™ ANALOG CAMERAS - 720p AND 1080p

	INDOOR BOX	INDOOR DOME				OUTDOOR DOME				
	DS-2CC12D9T-A	**DS-2CE56C5T-AVFIR**	**DS-2CE56D5T-AVFIR***	**DS-2CE56D5T-AIRZ**	**DS-2CE56D1T-AVFIR***	**DS-2CE56D1T-VPIR***	**DS-2CE56C5T-AVPIR3**	**DS-2CE56D1T-AVPIR3***	**DS-2CE56D5T-AVPIR3***	**DS-2CE56D5T-AVPIR3ZH**
Model	*Lens NOT included 1080p	720p	*Black model available DS-2CE56D5T-AVFIRB 1080p	1080p	*Black model available DS-2CE56D1T-AVFIRB 1080p	*Black model available DS-2CE56D1T-VPIRB 1080p	720p	*Black model available DS-2CE56D1T-AVPIR3B 1080p	*Black model available DS-2CE56D5T-AVPIR3B 1080p	1080p
Video Out	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (selectable)	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)	HD-TVI	HD-TVI	HD-TVI/CVBS (selectable)	HD-TVI	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS 1/3" progressive scan CMOS (only 2.8 mm)	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
HD-TVI Resolution	1920x1080	1280x720	1920x1080	1920x1080	1920x1080	1920x1080	1280x720	1920x1080	1920x1080	1920x1080
CVBS Resolution	600TVL	720TVL	600TVL	600TVL	---	---	720TVL	---	600TVL	600TVL
Min. Illumination (lux)	Color: 0.1 @ ƒ/1.2 B/W: 0.0001 @ ƒ/1.2	Color: 0.0014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.0014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.0014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.034 @ ƒ/2.5 B/W: 0 with IR	Color: 0.0014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.14 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR
Lens	C/CS mount	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, motorized	2.8 to 12 mm @ ƒ/1.4, manual	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, motorized
Horizontal Angle of View	Dependent on lens	78° to 28°	92° to 32°	103° to 32.1°	105.2° to 32.8°	90° (2.8 mm), 80° (3.6 mm), 55.4° (6 mm)	78° to 28°	105.2° to 32.8°	92° to 32°	103° to 32.1°
Pan/Tilt/Rotation	---	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°	0° to 355°/ 0° to 75°/0° to 355°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/120 dB	No/Digital	Yes/120 dB	Yes/120 dB	Yes/No	Yes/No	No/Digital	Yes/No	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	---	30	30	30	30	20	40	40	40	40
Vertical Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-20° C to 45° C (-4° F to -113° F)	-20° C to 45° C (-4° F to 113° F)	-40° C to 60° C (-40 ° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12 VDC, 24 VAC, 4.5 W	12 VDC, 3.5 W 24 VAC, 5 W	12 VDC, 4.5 W 24 VAC, 6.5 W	12 VDC, 6 W 24 VAC, 6 W	12 VDC, 3 W	12 VDC, 3 W	12 VDC, 3.5 W 24 VAC, 5 W	12 VDC, 24 VAC, 4 W	12 VDC, 4.5 W 24 VAC, 6.5 W	12 VDC, 9 W 24 VAC, 9 W

TurboHD Cameras Accessories: Video Balun DS-1H18. See page 49 for details.

TurboHD

TurboHD™ ANALOG CAMERAS - 720p AND 1080p

OUTDOOR TURRET

	DS-2CE56C2T-IRM	DS-2CE56D1T-IRM*	DS-2CE56D1T-IT1	DS-2CE56C5T-IT1	DS-2CE56D5T-IT3*	DS-2CE56C5T-VFIT3	DS-2CE56D5T-VFIT3	DS-2CE56D5T-IR3Z
Model	720p	*Black model available **DS-2CE56D1T-IRMB** 1080p	EXIR 1080p	EXIR 720p	EXIR *Black model available **DS-2CE56D5T-IT3B** 1080p	EXIR 720p	EXIR 1080p	1080p
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI/CVBS (selectable)	HDTVI/CVBS (Dual)	HD-TVI/CVBS (selectable)	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)
Image Sensor	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS	1/2.7" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
HD-TVI Resolution	1280x720	1920x1080	1920x1080	1280x720	1920x1080	1280x720	1920x1080	1920x1080
CVBS Resolution	---	---	---	720TVL	600TVL	720TVL	600TVL	600TVL
Min. Illumination (lux)	Color: 0.043 @ ƒ/2.5 B/W: 0 with IR	Color: 0.034 @ ƒ/2.5 B/W: 0 with IR	Color: 0.034 @ ƒ/2.5 B/W: 0 with IR	Color: 0.043 @ ƒ/2.5 B/W: 0 with IR	Color: 0.043 @ ƒ/2.5 B/W: 0 with IR	Color: 0.0014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR
Lens	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm, 8 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm, 12 mm, option)	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, motorized
Horizontal Angle of View	76.88° (3.6 mm), 99.73° (2.8 mm), 50.1° (6 mm)	105° (2.8 mm), 84.3° (3.6 mm), 55.4° (6 mm)	105° (2.8 mm), 84.3° (3.6 mm), 55.4° (6 mm)	71.43° (3.6 mm), 92.45° (2.8 mm), 46.9° (6 mm), 34.5° (8 mm)	80° (3.6 mm), 103.5° (2.8 mm), 54.3° (6 mm), 24.3° (12 mm)	78° to 28°	92° to 32°	103° to 32.1°
Pan/Tilt/Rotation	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°	0° to 355°/ 0° to 75°/ 0° to 355°
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	No/No	Yes/No	Yes/No	No/Digital	Yes/120 dB	No/Digital	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	20	20	20	20	40	50	50	40
Vertical Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
OSD Menu via Up-the-Coax (UTC)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12 VDC, 3.5 W	12 VDC, 3 W	12 VDC, 3 W	12 VDC, 3 W	12 VDC, 5 W	12 VDC, 6 W	12 VDC, 7 W	12 VDC, 6 W

TurboHD Cameras Accessories: Video Balun DS-1H18. See page 49 for details.

OUTDOOR BULLET

	DS-2CE16C2T-IR	DS-2CE16D1T-IR	DS-2CE16D1T-IT1	DS-2CE16C5T-IT1	DS-2CE16D5T-IT3	DS-2CE16C5T-VFIR3	DS-2CE16D1T-AVFIR3	DS-2CE16D5T-AVFIT3	DS-2CE16D5T-AIR3ZH	DS-2CE16D9T-AIRAZH
Model	720p	1080p	EXIR 1080p	EXIR 720p	EXIR 1080p	720p	1080p	EXIR 1080p	1080p	1080p
Video Out	HD-TVI	HD-TVI	HD-TVI	HD-TVI/CVBS (selectable)	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (selectable)	HD-TVI	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)
Image Sensor	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS 1/3" progressive scan CMOS (only 2.8 mm)	1/2.7" progressive scan CMOS 1/3" progressive scan CMOS (only 2.8 mm)	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
HD-TVI Resolution	1280x720	1920x1080	1920x1080	1280x720	1920x1080	1280x720	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	---	---	---	720TVL	600TVL	720TVL	---	600TVL	600TVL	600TVL
Min. Illumination (lux)	Color: 0.043 @ ƒ/2.5 B/W: 0 with IR	Color: 0.034 @ ƒ/2.5 B/W: 0 with IR	Color: 0.034 @ ƒ/2.5 B/W: 0 with IR	Color: 0.043 @ ƒ/2.5 B/W: 0 with IR	Color: 0.043 @ ƒ/2.5 B/W: 0 with IR	Color: 0.0014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.14 @ ƒ/1.4 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.014 @ ƒ/1.4 B/W: 0 with IR	Color: 0.028 @ ƒ/2.0 B/W: 0 with IR
Lens	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm, 8 mm option)	Fixed, 3.6 mm @ ƒ/2.5 (2.8 mm, 6 mm, 12 mm option)	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, manual	2.8 to 12 mm @ ƒ/1.4, motorized	5 to 50 mm @ ƒ/2.0 motorized
Horizontal Angle of View	76.88° (3.6 mm), 99.73°, (2.8 mm), 50.1° (6 mm)	90° (2.8 mm), 80° (3.6 mm), 55.4° (6 mm)	90° (2.8 mm), 80° (3.6 mm), 55.4° (6 mm)	71.43° (3.6 mm), 92.45° (2.8 mm), 46.9° (6 mm), 34.5° (8 mm)	80° (3.6 mm), 103.5° (2.8 mm), 54.3° (6 mm), 24.3° (12 mm)	78° to 28°	102° to 35°	92° to 32°	103° to 32.1°	59.8° to 6.2°
Pan/Tilt/Rotation	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	No/No	Yes/No	Yes/No	No/Digital	Yes/120 dB	No/Digital	Yes/No	Yes/120 dB	Yes/120 dB	Yes/120 dB
IR Range Max. (meters)	20	20	20	20	40	40	40	50	40	100
Vertical Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
OSD Menu via Up-the-Coax (UTC)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)	-40° C to 60° C (-40 ° F to 140° F)
Power Requirements (max.)	12 VDC, 3.5 W	12 VDC, 3 W	12 VDC, 3 W	12 VDC, 3 W	12 VDC, 5 W	12 VDC, 4 W	12 VDC, 24 VAC, 6 W	12 VDC, 7 W 24 VAC, 10 W	12 VDC, 12 W 24 VAC, 12 W	12 VDC, 20 W 24 VAC, 20 W

TurboHD Cameras Accessories: Video Balun DS-1H18. See page 49 for details.

TurboHD

TurboHD™ ANALOG PTZ CAMERAS - 720p AND 1080p

	INDOOR	OUTDOOR	INDOOR	OUTDOOR		OUTDOOR IR	
	DS-2AE4223T-A3	**DS-2AE4223T-A**	**DS-2AE5230T-A3**	**DS-2AE5123T-A**	**DS-2AE5230T-A**	**DS-2AE5123TI-A**	**DS-2AE7230TI-A**
Model	1080p	1080p	1080p	720p	1080p	720p	1080p
Video Out	HD-TVI/CVBS, UTC menu	HD-TVI/CVBS, UTC menu	HD-TVI/CVBS, UTC menu	HD-TVI/CVBS, UTC menu	HD-TVI/CVBS, UTC menu	HD-TVI/CVBS, UTC menu	HD-TVI/CVBS, UTC menu
Image Sensor	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS	1/3" progressive scan CMOS
Min. Illumination (lux)	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.05 @ ƒ/1.6 B/W: 0.01 @ ƒ/1.6	Color: 0.02 @ ƒ/1.6 B/W: 0.002 @ ƒ/1.6	Color: 0.02 @ ƒ/1.6 B/W: 0.002 @ ƒ/1.6	Color: 0.02 @ ƒ/1.6 B/W: 0.002 @ ƒ/1.6	Color: 0.05 @ ƒ/1.4 B/W: 0.005 @ ƒ/1.4, 0 with IR	Color: 0.02 @ ƒ/1.6 B/W: 0.002 @ ƒ/1.6, 0 with IR
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1280x720	1920x1080	1280x720	1920x1080
CVBS Resolution	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL	600TVL
Lens	4 to 92 mm, motorized zoom, autofocus	4 to 92 mm, motorized zoom, autofocus	4 to 120 mm, motorized zoom, autofocus	4 to 92 mm, motorized zoom, autofocus	4 to 120 mm, motorized zoom, autofocus	4 to 92 mm, motorized zoom, autofocus	4 to 120 mm, motorized zoom, autofocus
Horizontal Angle of View	49° to 2.2°	49° to 2.2°	58° to 1.7°	49° to 2.2°	58° to 1.7°	49° to 2.2°	58° to 1.7°
Optical Zoom	23x	23x	30x	23x	30x	23x	30x
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-15° to 90° (auto flip)	-5° to 90° (auto flip)	-15° to 90° (auto flip)	-15° to 90° (auto flip)
Pan & Tilt Speed (Manual)	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 250°/sec. Tilt: 0.1° to 150°/sec.	Pan: 0.1° to 250°/sec. Tilt: 0.1° to 150°/sec.	Pan: 0.1° to 250°/sec. Tilt: 0.1° to 150°/sec.	Pan: 0.1° to 400°/sec. Tilt: 0.1° to 120°/sec.	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.
Pan & Tilt Speed (Preset)	Pan: 160°/sec. Tilt: 120°/sec.	Pan: 160°/sec. Tilt: 120°/sec.	Pan: 300°/sec. Tilt: 200°/sec.	Pan: 300°/sec. Tilt: 200°/sec.	Pan: 300°/sec. Tilt: 200°/sec.	Pan: 400°/sec. Tilt: 200°/sec.	Pan: 240°/sec. Tilt: 200°/sec.
Day/Night	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
BLC/WDR	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	Yes/Digital	No/Digital
IR Range Max. (meters)	---	---	---	---	---	150	120
Presets/Tours/Patterns	256/8/4	256/8/4	256/8/4	256/8/4	256/8/4	256/8/4	256/8/4
Up-the Coax Control	Hikvision-C	Hikvision-C	Hikvision-C	Hikvision-C	Hikvision-C	Hikvision-C	Hikvision-C
RS485 Control	Hikvision, Pelco D/P	Hikvision, Pelco D/P	Hikvision, Pelco D/P	Hikvision, Pelco D/P	Hikvision, Pelco D/P	Hikvision, Pelco D/P	Hikvision, Pelco D/P
Ratings	UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24 VAC, 12 W	24 VAC, 18 W/12 W (heater on/off)	24 VAC, 12 W	24 VAC, 20 W/12 W (heater on/off)	24 VAC, 20 W/12 W (heater on/off)	24 VAC, 20 W/12 W (heater on/off)	24 VAC, 40 W

TurboHD Cameras Accessories: Video Balun DS-1H18. See page 49 for details.

TurboHD + TurboHD3

TRIBRID DIGITAL VIDEO RECORDERS

	TurboHD™ 4.0 TRIBRID DVR - VALUE SERIES			TurboHD™ 3.0 TRIBRID DVR - VALUE SERIES		
Model	**DS-7204HQI-K1**	**DS-7208HQI-K2**	**DS-7216HQI-K2**	**DS-7204HUHI-F1/N**	**DS-7208HUHI-F2/N**	**DS-7216HUHI-F2/N**
Max. Recording Resolution	CH01: 3 MP, CH02-04: 1080p	CH01-02: 3 MP, CH03-08: 1080p	CH01-04: 3 MP, CH05-16: 1080p	3 MP	3 MP	3 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.264+	H.264+	H.264+
HDMI/VGA Output	1920x1080/1920x1080, syncronous output	1920x1080/1920x1080, syncronous output	3480x2160/1920x1080/1920x1080, synchronous output	1920x1080/1920x1080, syncronous output	1920 × 1080, VGA 3840 × 2160, HDMI, synchronous output	1920 × 1080, VGA 3840 × 2160, HDMI, synchronous output
Spot Monitor Output (BNC)	---	---	---	Yes	Yes	Yes
Analog Input	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	4-Ch 1.0 Vp-p, 75 Ω	8-Ch 1.0 Vp-p, 75 Ω	16-Ch 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	1-ch/1-ch	1-ch/1-ch	1-ch/1-ch	4-ch/1-ch	4-ch/1-ch	4-ch/1-ch
Alarm Input/Output	4 /1	8/4	16/4	4 /1	8/4	16/4
USB 2.0	2	2	1 USB 2.0 + 1 USB 3.0	2	Front panel: 1 × USB 2.0, Rear panel: 1 × USB 3.0	Front panel: 1 × USB 2.0, Rear panel: 1 × USB 3.0
RAID Support	----	----	----	----	----	----
Internal SATA	1 (up to 8 TB each)	2 (up to 8 TB each)	2 (up to 8 TB each)	1 (up to 6 TB each)	2 (up to 6 TB each)	2 (up to 6 TB each)
Max. Internal Storage	8 TB	16 TB	16 TB	6 TB	12 TB	12 TB
Support DVD-RW	---	---	---	---	---	---
Max. fps 720p/1080p/3 MP HD-TVI	30/15/15	30/15/15	30/15/15	30/30/15	30/30/15	30/30/15
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Disable Turbo/CVBS Channel/Add IPC	---	---	---	---	---	---
Hikvision IP Camera Support	1 up to 4 MP	2 up to 4 MP	2 up to 4 MP	2 up to 4 MP	2 up to 4 MP	2 up to 4 MP
Front Panel Control	---	---	---	Yes	Yes	Yes
OSD Menu–Up-the-Coax	Yes	Yes	Yes	Yes	Yes	Yes
eSATA Interface	---	---	---	---	---	---
Turbo Channel VCA (Video Content Analysis)[6]	Up to 1 channel support	Up to 1 channel support	Up to 1 channel support	Up to 2 channel support	2-ch (Up to full channel support when disable 2K/4K output)	2-ch (Up to full channel support when disable 2K/4K output)
Smart Play	Yes	Yes	Yes	Yes	Yes	Yes
Max. Incoming/Outgoing Bandwidth (Mbps)	60	96	128	60	128	128
Max. Network Streams	128	128	128	128	128	128
User Names	32	32	32	32	32	32
Remote User Logins	128	128	128	128	128	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	1	1	1	1	1	1
Power Requirements	12 VDC, ≤15 W without HDD	12 VDC, ≤20 W without HDD	12 VDC, ≤20 W without HDD	12 VDC, ≤15 W without HDD	12 VDC, ≤20 W without HDD	12 VDC, ≤20 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P protocols
[6]**Tribrid Smart Suite:** Line Crossing, Intrusion Detection. Turbo channels; VCA supported from Hikvision IP cameras.

PRECISION SECURITY AUSTRALIA

FEATURED PRODUCT

Tribrid DVRs detect CVBS, TVI, and IP cameras

DS-7200HUI-Kx SERIES >

The new DS-7200HUI-Kx Series of TurboHD DVRs supports all the new 5 MP TurboHD cameras in models with 4, 8, and 16 channel inputs. Now, razor sharp images at 2592x1944 resolution can be displayed and recorded with HD quality. These tribrid DVRs can auto-detect a standard analog (CVBS), HD-TVI camera, and an IP camera input of up to 6 MP. They also support Hikvision's unique H.265+ video compression, and they include great features ranging from front panel controls to real-time recording and a 16 TB internal recording capability.

TurboHD + TurboHD3

TRIBRID DIGITAL VIDEO RECORDERS

	TurboHD™ 4.0 TRIBRID DVR - VALUE SERIES			TurboHD™ 3.0 TRIBRID DVR - VALUE SERIES	
	DS-7204HUI-K1	DS-7208HUI-K2	DS-7216HUI-K2	DS-9008HUHI-F8/N	DS-9016HUHI-F8/N
Model					
Max. Recording Resolution	5 MP	5 MP	5 MP	3 MP	3 MP
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.264+/H.264	H.264+/H.264
HDMI/VGA Output	1920 × 1080	3480x2160/1920x1080	3480x2160/1920x1080	3480x2160/1920x1080	3480x2160/1920x1080
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes	Yes
Analog Input	4-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	4-ch/1-ch	4-ch/1-ch	4-ch/1-ch	8-ch/1-ch	16-ch/1-ch
Alarm Input/Output	4/1	8/4	16/4	16/4	16/4
USB 2.0	2	1 USB2.0 + 1 USB3.0	1 USB2.0 + 1 USB3.0	1 USB2.0 + 1 USB3.0	1 USB2.0 + 1 USB3.0
RAID Support	---	---	---	Yes, RAID 0, 1, 5, 6, 10	Yes, RAID 0, 1, 5, 6, 11
Internal SATA	1 (up to 8 TB each)	2 (up to 8 TB each)	2 (up to 8 TB each)	8 (up to 6 TB each)	8 (up to 6 TB each)
Max. Internal Storage	8 TB	16 TB	16 TB	48 TB	48 TB
Support DVD-RW	---	---	---	Yes, front slot	Yes, front slot
Max. fps 720P/1080p/3 MP/4 MP/5 MP HD-TVI	30/30/18/15/12	30/30/18/15/12	30/30/18/15/12	30/30/15	30/30/15
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Disable Turbo/CVBS Channel/Add IPC	No	No	No	Yes, for ch 11 - 18	Yes, for ch 19 -32
Hikvision IP Camera Support	2 up to 6 MP	2 up to 6 MP	2 up to 6 MP	10 up to 8 MP	18 up to 8 MP
Front Panel Control	No	No	No	Yes	Yes
OSD Menu–Up-the-Coax	Yes	Yes	Yes	Yes	Yes
eSATA Interface	No	No	No	Support	Support
Turbo Channel VCA (Video Content Analysis)[6]	2-ch	2-ch	2-ch	2-ch	2-ch
Smart Play	Yes	Yes	Yes	Yes	Yes
Max. Incoming/Outgoing Bandwidth (Mbps)	96	128	128	260	320
Max. Network Streams	128	128	128	128	128
User Names	32	32	32	32	32
Remote User Logins	128	128	128	128	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	1	1	1	2	2
Power Requirements	100 to 240 VAC, 50 to 60 Hz, ≤15 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤20 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤25 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤45 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤65 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P protocols
[6]**Tribrid Smart Suite:** Line Crossing, Intrusion Detection. Turbo channels; VCA supported from Hikvision IP cameras.

TRIBRID DIGITAL VIDEO RECORDERS

	TurboHD™ TRIBRID DVR - PRO SERIES			TURBOHD™ 3.0 TRIBRID DVR - VALUE SERIES		TURBOHD™ TRIBRID DVR - PRO SERIES	
Model	**DS-7308HQHI-SH**	**DS-7316HQHI-SH**	**DS-7332HGHI-SH**	**DS-7308HUHI-F4/N**	**DS-7316HUHI-F4/N**	**DS-9008HQHI-SH**	**DS-9016HQHI-SH**
				NEW	NEW		
Max. Recording Resolution	1080p	1080p	1080p	3 MP	3 MP	1080p	1080p
Video Compression	H.264	H.264	H.264	H.264+/H.264	H.264+/H.264	H.264	H.264
HDMI/VGA Output	1920x1080/1920x1080, independent output	1920x1080/1920x1080, independent output	1920x1080/1920x1080, syncronous output	HDMI 1: 1920 × 1080 HDMI 2: 3840 × 2160, independent output	HDMI 1: 1920 × 1080 HDMI 2: 3840 × 2160, independent output	1920x1080/1920x1080, independent output	1920x1080/1920x1080, independent output
Spot Monitor Output (BNC)	Yes	Yes	---	Yes	Yes	Yes	Yes
Analog Input	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	32-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω	8-Ch 1.0 Vp-p 75 Ω	16-Ch 1.0 Vp-p 75 Ω
Video Standard	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS(auto-detect)	HD-TVI/CVBS(auto-detect)	HD-TVI/CVBS (auto-detect)	HD-TVI/CVBS (auto-detect)
Audio Input/Output	4-ch/2-ch	4-ch/2-ch	4-ch/1-ch	4-ch/2-ch	4-ch/2-ch	8-ch/2-ch	16-ch/2-ch
Alarm Input/Output	16/4	16/4	16/4	16/4	16/4	16/4	16/4
USB 2.0	3	3	3	2 USB2.0 + 1 USB3.0	2 USB2.0 + 1 USB3.0	3	3
RAID Support	----	----	----	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 10 (up to 16TB)	RAID 0, RAID 1, RAID 5, RAID 10 (up to 16TB)
Internal SATA	4 (up to 6 TB each)	4 (up to 6 TB each)	4 (up to 6 TB each)	4 (up to 6 TB each)	4 (up to 6 TB each)	8 (up to 6 TB each)	8 (up to 6 TB each)
Max. Internal Storage	24 TB	24 TB	24 TB	24 TB	24 TB	48 TB	48 TB
Support DVD-RW	Yes, replaces 2x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA	Yes, replaces 4x SATA	Yes, replaces 4x SATA
Max. fps 720p/1080p/3 MP HD-TVI	30/30	30/30	30/12	30/30/15	30/30/15t	30/30	30/30
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Disable Turbo/CVBS Channel/Add IPC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Hikvision IP Camera Support	2 up to 1080p (up to 10 ch if HD-TVI channels disabled)	2 up to 1080p (up to 18 ch if HD-TVI channels disabled)	8 up to 1080p (up to 32 ch if HD-TVI channels disabled)	2 up to 8 MP (up to 10 ch if HD-TVI channels disabled)	2 up to 8 MP (up to 18 ch if HD-TVI channels disabled)	10 up to 6 MP (up to 18 if HD-TVI channels disabled)	18 up to 6 MP (up to 32 if HD-TVI channels disabled)
Front Panel Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OSD Menu–Up-the-Coax	Yes	Yes	Yes	Yes	Yes	Yes	Yes
eSATA Interface	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Turbo Channel VCA (Video Content Analysis)[6]	Up to 2 channel support	Up to 2 channel support	Up to 1 channel support	Up to 2 channel support	Up to 2 channel support	Up to 2 channel support	Up to 2 channel support
Smart Play	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Max. Incoming/Outgoing Bandwidth (Mbps)	200	200	200	200 (200 with RAID)	260 (260 with RAID)	160 (160 with RAID)	260 (260 with RAID)
Max. Network Streams	128	128	128	128	128	128	128
User Names	32	32	32	32	32	32	32
Remote User Logins	128	128	128	128	128	128	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	1.5	1.5	1.5	1.5	1.5	2	2
Power Requirements	100 to 240 VAC, 50 to 60 Hz, ≤40 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤55 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤65 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤35 W without HDD	100 to 240 VAC, 50 to 60 Hz, ≤45 W without HDD	100 to 240 VAC, 47 to 63 Hz, ≤45 W without HDD	100 to 240 VAC, 47 to 63 Hz, ≤65 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P protocols

[6]**Tribrid Smart Suite:** Line Crossing, Intrusion Detection. Turbo channels; VCA supported from Hikvision IP cameras.

TurboHD

ENCODERS AND DECODERS

	ENCODER						DECODER		
	DS-6701HWI	**DS-6704HWI**	**DS-6708HWI**	**DS-6716HWI**	**DS-6708HQHI-SATA**	**DS-6716HQHI-SATA**	**DS-6401HDI-T**	**DS-6404HDI-T**	**DS-6408HDI-T**
Model									
Frame Rate (fps)	30	30	30	30	30	30	Per video input	Per video input	Per video input
Multi-Streaming	Yes	Yes	Yes	Yes	Yes	Yes	1 video output	4 video outputs	8 video outputs
Video Input	1-ch, BNC (1.0 Vp-p, 75 Ω)	4-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP
Video Output	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	1 HDMI, 1 VGA, 1 BNC	4 DVI, 2 BNC (via DB-15 connector)	8 DVI, 4 BNC (via DB-15 connector)
Network Interface	1 RJ-45 10/100 Mbps Ethernet (PoE)	1 RJ-45 10/100 Mbps Ethernet (PoE)	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100/1000 Mbps Ethernet	1 10/100/1000 Mbps Ethernet	1 10/100/1000 Mbps Ethernet	1 10/100/1000 Mbps Ethernet
Storage	---	---	---	---	2 SATA interfaces (up to 6 TB each)	2 SATA interfaces (up to 6 TB each)	---	---	---
Audio Input/Output	1 line in/1 line out	4 line in/1 line out	8 line in/1 line out	16 line in/1 line out	4 line in/1 line out	4 line in/1 line out	1 line in/1 line out	4 line in/4 line out	8 line in/8 line out
Voice Talk Input	1-ch	1-ch	1-ch	1-ch	---	---	1-ch	1-ch	1-ch
Alarm Input/Output	1/1	4/2	8/4	16/4	8/4	16/4	4/4	4/4	4/4
RS-232	---	Yes	Yes	Yes	---	---	Yes	Yes	Yes
RS-485	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Resolution In	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF	HD-TVI: 8-ch 30fps @ 1080p and 720p	HD-TVI: 16-ch 30fps @ 1080p and 720p	---	---	---
Resolution Out	---	---	---	---	---	---	5 MP: 2-ch, 1080p: 4-ch 720p: 8-ch, 4CIF: 16-ch	5 MP: 4-ch, 1080p: 8-ch 720p: 16-ch, 4CIF: 32-ch	5 MP: 8-ch, 1080p: 16-ch 720p: 32-ch, 4CIF: 64-ch
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Power Requirements	12 VDC, ≤5 W	12 VDC,≤7 W	12 VDC ≤10 W	12 VDC ≤22 W	12 VDC ≤30 W without HDD	12 VDC ≤45 W without HDD	12 VDC ≤15 W	100 to 240 VAC ≤70 W	100 to 240 VAC ≤70 W

Standards: Complies with ONVIF (Profile S), CGI ASAPI contact for factory details: Command Protocols: Hikvision and Pelco D/P protocols

ACCESSORIES

TurboHD™ LOOPING PANEL

	DS-1TLP16I
Model	
Video in	16-ch, BNC connector
Signal format	CVBS, HDTVI and AHD
Video out	16-ch, BNC connector
Loop out	16-ch, BNC connector
Signal format	CVBS, HDTVI and AHD
Transmission distance	CVBS, 720P: Up to 500 m (input and output cable combined) 1080P: Up to 300 m (input and output cable combined)
Power supply	1 × 12 VDC (2-pin connector)/1 × USB
Power consumption	≤ 3.6 W
Operating temperature	-10 °C to +55 °C (14 °F to 131 °F)
Operating humidity	10% to 90%
Dimensions(W × D × H)	315 × 100 × 52 mm (12.4 × 3.9 × 2.0 inch)
Weight	≤ 1.5 kg (3.3 lb)

4K MONITOR / MONITORS / PVM MONITOR / MONITOR

	DS-D5055UL	DS-D5042FL	DS-D5032FL	DS-D5032FL-B	DS-D5022FC
Model					
Bezel Material	Plastic	Metal	Metal	Metal	Plastic
Working Time	7x24h	7x24 h	7x24 h	7x24h	7x24h
Display Type	LED-Backlit TFT LCD	LED-Backlit TFT LCD	LED-Backlit TFT LCD	LED-Backlit TFT LCD	LED-Backlit TFT LCD
Screen Size	54.64"	42"	32"	32"	21.5"
Pixel Pitch (H×V)	0.42 mm x 0.315 mm	0.807 mm × 0.807 mm	0.807 mm × 0.807 mm	0.3637 mm × 0.3637 mm	0.247 mm × 0.247 mm
Max. Resolution	3840×2160P	1920×1080p	1920×1080p	1920×1080P	1920×1080
Brightness	350cd/m² (Typical)	400cd/m² (Typical)	400cd/m² (Typical)	400cd/m² (Typical)	250cd/m² (Typical)
Contrast	1200:1	4000:1	4000:1	4000:1	1000:1
Response Time	8 ms	8 ms	8 ms	6.5ms	5 ms
Color	1.07B(10bit)	16.7 M	16.7 M	16.7 M	16.7 M
Viewing Angle	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 178°, Vertical 178°	Horizontal 170°, Vertical 160°
Inputs	2x HDMI, 1x VGA, DVI, DP1	1x HDMI, VGA, DVI, BNC, USB	1x HDMI, VGA, DVI, BNC, USB	1x HDMI, VGA, DVI, BNC, USB	1x HDMI, VGA, BNC, USB
Outputs	---	---	---	BNC	BNC
Audio input	1, 3.5 mm mini-jack	1, 3.5 mm mini-jack	1, 3.5 mm mini-jack	1, 3.5 mm mini-jack	1, 3.5 mm mini-jack
Audio Out	---	1, 3.5 mm mini-jack	1, 3.5 mm mini-jack	1, 3.5 mm mini-jack	1, 3.5 mm mini-jack
Speaker	10Wx2	3 W x 2	3 W x 2	3 W x 2	2 W x 2
Ratings	UL,CE,FCC	CE, FCC	CE, FCC	UL,CE,FCC	CE, FCC
Power Supply	100-220 VAC, 50/60Hz	100-220 VAC, 50/60 Hz	100-220 VAC, 50/60 Hz	100-220 VAC, 50/60Hz or 24 VDC	100-220 VAC, 50/60Hz
Power Consumption	130 W(Normal working), 1 W (Standby)	140 W (Normal working), 1 W (Standby)	75 W (Normal working), 1 W (Standby)	70 W (Normal working), 1 W (Standby)	30 W (Normal working), 0.5 W (Standby)
Operation Temperature	5° to 40 °C	0° C to 40° C	0° C to 40° C	0° to 40 °C	0° to 40 °C
Operating Humidity	20% to 80% (No Condensation)	10% to 85% (No Condensation)	10% to 85% (No Condensation)	10% to 85% (No Condensation)	10% to 85% (No Condensation)
Storage Temperature	-10° to 55°C	-20° C to 55° C	-20° C to 55° C	-20° to 55°C	-20° to 60°C
VESA Mount	200 mmx300 mm	Not VESA compliant 394 mm x 307 mm	200 mm x 200 mm	200 mm×200 mm	100 mm x 100 mm
Table Mount	190115890	190109090	190115887	190115887	Included
Wall Mount	190115893	190108462	190115892	190115892	190112560
Dimension (W×H×D)	1246.93 mm × 725.23 mm × 79.9 mm	962.2 × 570.5 × 71.55 mm (37.9" x 22.5" x 2.8")	737.4 × 452.5 × 70.65 mm (29" x 17.8" x 2.78")	737.4 mm × 452.5 mm × 70.65 mm (29.03" ×17.81" ×2.78")	511.4 × 313 × 45.4 mm (20.1 x 12.3" x 1.8")
Weight	20.57±1.5 Kg(Gross Weight), 14.97±1.5 Kg(Net Weight	28 Kg (62 lbs)	19 Kg (42 lbs)	19 Kg (42 lbs)	4.4 Kg (9 lbs)

ACCESSORIES

PoE GIGABIT L2.5 ETHERNET SWITCHES / PoE UNMANAGED SWITCHES

	DS-3D2208P	DS-3D2228P	DS-3E0105P-E	DS-3E0109P-E	DS-3E0318P-E	DS-3E0326P-E
Model						
Ports	8p 10/100 Base-T, 2p 10/100/1000 Base-T, 2p 1000Mbps SFP, 1p console	24p 10/100 Base-T, 4p 10/100/1000 Base-T, 4p 1000Mbps SFP, 1p console	4p 10/100 Base-T, 1 uplink 10/100	8p 10/100 Base-T, 1uplink 10/100	16p 10/100 Base-T, 2 uplinks10/100/1000	24p 10/100 Base-T, 2 uplinks 10/100/1000
Forwarding	4.2 Mpps	9.6 Mpps	0.74Mpps	1.34Mpps	5.36Mpps	6.55Mpps
Backplane	5.6 Gbps	12.8 Gbps	1Gbps	1.8Gbps	7.2Gbps	8.8Gbps
PoE Budget	170 W (8 PoE or 4 PoE+)	400 W (24 PoE or 12 PoE+)	58W	123W	230W	370W
PoE Support	8 ports 802.3af (up to 15.4 W/port) or 5 ports 802.3at (up to 30 W/port)	24 ports 802.3af (up to 15.4 W/port) or 12 ports 802.3at (up to 30 W/port)	4 ports 802.3af (up to 15.4 W/port) or 2 ports 802.3at (up to 30 W/port)	8 ports 802.3af (up to 15.4 W/port) or 4 ports 802.3at (up to 30 W/port)	16 ports 802.3af (up to 15.4 W/port) or 8 ports 802.3at (up to 30 W/port)	24 ports 802.3af (up to 15.4 W/port) or 12 ports 802.3at (up to 30 W/port)
Standards	STP (IEEE 802.1D), RSTP (IEEE802.1w), MSTP (802.1S), VLAN (802.1Q), QinQ, GVRP, MULTICAST (IGMP SNOOPING V1/V2/V3),LACP, SNMP (V1/V2), RMON (GROUP 1/2/3/9) TELNET, SNTP, QOS. 1EEE802.1X, ACL (IP/MAC/VLAN), DHCP SNOOPING, DAI, ARP PREVENTION (STATIC/DYNAMIC), RADIUS, SSH.	STP (IEEE 802.1D), RSTP (IEEE802.1w), MSTP (802.1S), VLAN (802.1Q), QinQ, GVRP, MULTICAST (IGMP SNOOPING V1/V2/V3),LACP, SNMP (V1/V2), RMON (GROUP 1/2/3/9) TELNET, SNTP, QOS. 1EEE802.1X, ACL (IP/MAC/VLAN), DHCP SNOOPING, DAI, ARP PREVENTION (STATIC/DYNAMIC), RADIUS, SSH.	Unmanaged, Plug-and-play installation IEEE802.3x full duplex, Optimized packet buffering (2.75M) Optional 250m extended transmission mode (PoE bandwidth reduced to 10Mbps per port by activating)	Unmanaged, Plug-and-play installation IEEE802.3x full duplex Optimized packet buffering (2.75M) Priority Queue on ports 1-2 (if switch is over capacity, 94 of 100 packets will route first here)	Unmanaged, Plug-and-play installation IEEE802.3x full duplex Optimized packet buffering (2.75M) Priority Queue on ports 1-4(if switch is over capacity, 94of100 packets will route first here) Optional 250m extended transmission mode (PoE bandwidth reduced to 10Mbps per port by activating)	Unmanaged, Plug-and-play installation IEEE802.3x full duplex Optimized packet buffering (2.75M) Priority Queue on ports 1-4(if switch is over capacity, 94of100 packets will route first here) Optional 250m extended transmission mode (PoE bandwidth reduced to 10Mbps per port by activating)
Operating Temperature Range	0° C to 50° Cw	0° C to 50° C	0° C to 40° C	0° C to 40° C	0° C to 40° C	0° C to 40° C
Power Requirements	110 to 240 VAC, 170 W	110 to 240 VAC, 400 W	110 to 240 VAC, 170 W	110 to 240 VAC, 400 W	110 to 240 VAC, 170 W	110 to 240 VAC, 400 W

PoE WEB-MANAGED ETHERNET SWITCH

	DS-3E1310P-E	DS-3E1318P-E	DS-3E1326P-E
Model	NEW	NEW	NEW
Ports	8p 10/100 Base-T, 1uplink 10/100	16p 10/100 Base-T, 2 uplinks10/100/1000	24p 10/100 Base-T, 2 uplinks 10/100/1000
Forwarding	1.34Mpps	5.36Mpps	6.55Mpps
Backplane	1.8Gbps	7.2Gbps	8.8Gbps
PoE Budget	123W	230W	370W
PoE Support	8 ports 802.3af (up to 15.4 W/port) or 4 ports 802.3at (up to 30 W/port)	16 ports 802.3af (up to 15.4 W/port) or 8 ports 802.3at (up to 30 W/port)	24 ports 802.3af (up to 15.4 W/port) or 12 ports 802.3at (up to 30 W/port)
Standards	Web-managed(Web-managed: VLAN, Port Mirroring, SNMP), Plug-and-play installation IEEE802.3x full duplex Optimized packet buffering (2.75M) Priority Queue on ports 1-2 (if switch is over capacity, 94of100 packets will route first here) Optional 250m extended transmission mode (PoE bandwidth reduced to 10Mbps per port by activating)	Web-managed(Web-managed: VLAN, Port Mirroring, SNMP), Plug-and-play installation IEEE802.3x full duplex Optimized packet buffering (2.75M) Priority Queue on ports 1-4 (if switch is over capacity, 94of100 packets will route first here) Optional 250m extended transmission mode (PoE bandwidth reduced to 10Mbps per port by activating)	"Web- managed (Web-managed: VLAN, Port Mirroring, SNMP), Plug-and-play installation IEEE802.3x full duplex Optimized packet buffering (2.75M) Priority Queue on ports 1-4 (if switch is over capacity, 94of100 packets will route first here) Optional 250m extended transmission mode (PoE bandwidth reduced to 10Mbps per port by activating)
Operating Temperature Range	"0° C to 40° C,	"0° C to 40° C	0° C to 40° C
Power Requirements	110 to 240 VAC,127 W	110 to 240 VAC, 170 W	110 to 240 VAC, 250 W

ACCESSORIES

MEGAPIXEL AUTO IRIS LENSES

Model	TV0515D-MPIR	YV2.8x2.8SR4A-SA2	YV3.3x15SR4A-SA2L	DV4x12.5SR4A-SA1	TV2712D-MPIR	TV0550D-MPIR	DV3.8x4SR4A-SA1	DV4X12.5SR4A-SA1L	HV0733D-6MP	HV1140D-8MPIR	HV3816D-8MPIR
Specifications	1.3 MP, 1/3" imager size, IR, auto iris, 5 to 15 mm, ƒ/1.4, manual zoom, CS mount	3.0 MP, 1/2.7" imager size, auto iris, 2.8 to 8 mm, ƒ/1.3, manual zoom, CS mount	3.0 MP, 1/2.7" imager size, auto iris, 15 to 50 mm, ƒ/1.5, manual zoom, CS mount	5.0 MP, 1/1.8" imager size, auto iris, 12.5 to 50 mm, ƒ/ 1.6, manual zoom, C mount	3.0 MP, 1/2.7" imager, 2.7 to 12 mm, ƒ/1.2, manual zoom, CS mount	3.0 MP, 1/2.7 imager, 5 to 50 mm, ƒ/1.7, manual zoom, CS mount	3.0 MP, 1/1.8 sensor, auto iris, IR, 4 to 15.2 mm, ƒ/1.5, manual zoom, C mount	5.0 MP, 1/1.8 sensor, auto iris, IR, 12.5 to 50 mm, ƒ/1.6, manual zoom, C mount	Lens, 6 MP 1/1.8 sensor, auto iris, 7 to 33 mm, ƒ/0.95, manual zoom, CS Mount	4K, 1/1.8" sensor, auto iris, IR, 11 to 40 mm, ƒ/1.5, manual zoom, CS mount	4K, 1/1.8" sensor, 3.8 to 16 mm, ƒ/1.5, IR, manual zoom, CS mount

SURVEILLANCE GRADE HARD DRIVES / ENTERPRISE HARD DRIVES

Model	HK-HDD1T	HK-HDD2T	HK-HDD3T	HK-HDD4T	HK-HDD6T	HK-HDD1T-E	HK-HDD2T-E	HK-HDD3T-E	HK-HDD4T-E	HK-HDD6T-E
										NEW
Capacity	1 TB	2 TB	3 TB	4 TB	6 TB	1 TB	2 TB	3 TB	4 TB	6 TB
Interface	SATA	SATA	SATA	SATA	SATA	SATA 6 Gb/sec.	SATA 6 Gb/sec.	SATA 6 Gb/sec.	SATA 6 Gb/sec.	SATA 6 Gb/sec.
Classification	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video
Operation	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous

HDD FOR STORAGE PRODUCTS / DVD-RW / MICRO SD CARD

Model	HDD-SAS4T	HDD-SAS6T	HIK-DVDRW	DS-UTF32G-H1	DS-UTF64G-H1
		NEW			
Description	4 TB HDD for DS-A82024D, DS-AJ6824D	6 TB HDD for DS-A82024D, DS-AJ6824D	DVD-RW option for NVR and DVR	32 GB uSD	64 GB uSD

HD-TVI JOYSTICK / HD-TVI MONITOR / HD-TVI CONVERTER / BALUN

Model	DS-1045	DS-TT-X41T	DS-1H33	DS-1H18
Description	HD-TVI Joystick Controller	Multifunction Video Tester, test a variety of video signals, including TurboHD, HDMI, CVBS, and VGA.	Converter from HD-TVI video signal to HDMI signal	Unshielded twisted pair (UTP) Baluns

ETHERNET OVER COAX

Model	DS-1H05-T	DS-1H05-R	DS-1H05-8R	DS-1H05-16R
Input Interface	RJ-45 interface and BNC	BNC	8 - BNC	16 - BNC
Output Interface	BNC	RJ-45 Interface and BNC	2 - RJ-45 Interface	4 - RJ-45 Interface
Maximum Bandwidth (Mbps)	36 (downstream)	11 (upstream)	11 (upstream)	11 (upstream)
Distance	Up to 1,500 feet with RG6/U cable	Up to 1,500 feet with RG6/U cable	Up to 1,500 feet with RG6/U cable	Up to 1,500 feet with RG6/U cable
Dimensions	80 x 96 x 27 mm	80 x 96 x 27 mm	440 x 44.5 x 195 mm	440 x 44.5 x 195 mm
Operating Conditions (max.)	-10° C to +55° C	-10° C to +55° C	-10° C to +55° C	-10° C to +55° C
Power Requirements (max.)	12 VDC, PSU included, 5 W (does not power camera)	12 VDC, PSU included, 5 W (does not power camera)	12 VDC, PSU included, 5 W (does not power camera)	12 VDC, PSU included, 5 W (does not power camera)

ACCESSORIES

ACCESSORIES

STORAGE PRODUCTS

	DS-A81016S	DS-A82024D
Model		
Controller/Processor	Single, 64-bitmulti-core processor	Double, 64-bitmulti-core processor
High-speed buffer	4 GB (expandable to 8G)	4 GB (expandable to 8G)
Video Input/Output	IPSAN: 180-ch (2 Mbps) CVR:320-ch (2 Mbps)	IPSAN: 256-ch (2 Mbps) CVR:448-ch (2 Mbps)
HDD slot	16	24
HDD interface	SATA / 1 TB, 2 TB, 3 TB, 4 TB, 6 TB	SAS / 1 TB, 2 TB, 3 TB, 4 TB, 6 TB (SSD is optional)
Hot-swap disk	Supported	Supported
RAID level	RAID 0, 1, 3, 5, 6,10,50, JBOD, Hot-Spare	RAID 0, 1, 3, 5, 6,10,50, JBOD, Hot-Spare
Disk management	S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology)	S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology)
LUN management	iSCSI Volume, Record Volume	iSCSI Volume, Record Volume
Data protection	Real-time backup of system information, LUN clone	Real-time backup of system information, LUN clone
Recording type	Continuous/Manual / Main and Sub Stream/ Motion /Sensor, etc.	Continuous/Manual / Main and Sub Stream/ Motion /Sensor, etc.
Recording backup	Localbackup; Remote backup	Localbackup; Remote backup
Recording protection	Lock key video file for protection, N+1 hot spare system, ANR,video loss alarm	Lock key video file for protection, N+1 hot spare system, ANR,video loss alarm
Search mode	By time / type	By time / type
Download mode	Quick download, batch download, segment download, merging download	Quick download, batch download, segment download, merging download
Device Management method	Web-based GUI, CLI serial port, integrated management of multiple units	Web-based GUI, CLI serial port, integrated management of multiple units
Alarm type	Sound, Flash LED, Email, SMS, Warning on device management page	Sound, Flash LED, Email, SMS, Warning on device management page
Log download	Auto-download by USB flash drive, Remotebackup via web browsing	Auto-download by USB flash drive, Remotebackup via web browsing
Network Protocol	RTSP / ONVIF / PSIA / iSCSI	RTSP / ONVIF / PSIA / iSCSI
External data port	2×1000M self-adaptive Ethernet interface	4×1000M self-adaptive Ethernet interface
Management port	1×100Mself-adaptive Ethernet interface	1×100Mself-adaptive Ethernet interface
SAS expansion port	1 (6 Gbps)	1 (6 Gbps)
VGA output	1	1
COM interface	2 (1 for hyper terminal and 1 for mobile phone alarm/UPS)	2 (1 for hyper terminal and 1 for mobile phone alarm/UPS)
USB interface	2	2
Power Supply	Redundant (1+1); single power available	Redundant (1+1); single power available
Power consumption	Max. 460 W (with HDD, redundant power); Max. 400 W (with HDD, single power)	Working Consumption: ≤ 380 (with HDD or DVD/RW Rating Power Consumption: ≤1050W
Temperature	Operating: 5°-40°; Storage: -20°-70°	Operating 5 °C~40 °C Storing: -20 °C~70 °C

STORAGE EXPANSION

	DS-AJ6816S	DS-AJ6824D
Model		
Controller	Single Controller	Double Controller
SAS Interface (Upper-level)	1 (6 Gbps)	2 (6 Gbps)
SAS Interface (Lower-level)	1 (6 Gbps)	1 (6 Gbps)
HDD Interfaces	16	24
HDD Interface Type	SATA	SAS
Hot Swap HDD	Supported	Supported
Power	Redundant (1+1)	Redundant (1+1)
Applicable Models	DS-A81016S	DS-A82024D
Power Consumption	≤ 550 W (with HDD's)	≤ 550 W (with HDD's)
Working Temperature	5°C ~ 40°C (41°F ~ 104°F)	5°C ~ 40°C (41°F ~ 104°F)

KEYBOARDS

	DS-1005KI	DS-1006KI	DS-1100KI
Model		NEW	
RS-485	No	Yes	Yes
USB	Yes	Yes	Yes
Interface Port	USB 2.0	RS-232, RS-422, RS-485	RS-232, RS-485, RJ-45, USB 2.0
Control	Serial	Serial	TCP/IP
Audio	N/A	N/A	IN: 1 line OUT: 1 line
Decoding	N/A	N/A	1-ch @ 1080p
LCD Screen	N/A	128 x 64 pixel	7" TFT touchscreen at 800 x 480 resolution
Joystick	3–Axis	4–Axis	3–Axis
Resolution	N/A	N/A	1920x1080
Network	N/A	N/A	Yes
Power Requirements	5 VDC via USB (≤5 W)	12 VDC (<10 W)	12 VDC (<15 W)

ACCESSORIES

PTZ BRACKETS / STAINLESS STEEL BRACKETS

	WMP-S	WMP-L	CMP	PMP	JBPW-L	PMPL	CMPL	CPM-S	CPM-L	CPMPE	RPM	WBPT-S	WBPT	WMP-SS	CPM-SS	WMS-SS	JBM-SS	WB-SS
Model					NEW													NEW
Description	Short wall mount for 4" PTZ	Wall Mount PTZ-Long	Corner Mount for WMP-L and WMP-S	Pole Mount for WMP-L and WMP-S	PTZ Junction box with wall bracket	Pole Mount Large (for JBP-W)	Corner Mount Large (for JBP-W)	Ceiling Pendant Mount-Short	Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter	Roof Parapet Mount	Wall Mount for DS-2DY5223IW-AE Upright PTZ	Wall Mount for DS-2DY9xxx Series Upright PTZs	Pendant Wall Mount for DS-2DT6223-AELY	Pendant Ceiling Mount for DS-2DT6223-AELY	Pendant Wall Mount for DS-2CD6626DS-IZHS	Medium Junction Box	Wall Mount for DS-2CD6626B Series

*PTZ brackets are for series; DS-2AE5xxx; DS-2AE7xxx; DS-2DE4xxx; DS-2DE5xxx; DS-2DE6xxx; DS-2DE7xxx; DS-2DF5xxx; DS-2DF6xxx; DS-2DF8xxx

CAMERA HOUSING / BOX CAMERA BRACKETS / UNIVERSAL BRACKET FOR PENDANT CAPS

	CHB	CHB-HBW	CHB-HB	WBS	WBL	CPM	CPME	WMS*	WML	RPM	PM	CM
Model								○● *Black model **WMSB**				
Description	Camera Housing with Bracket	Camera Housing with Bracket, Heater, Blower, Wiper	Camera Housing with Bracket, Heater, Blower	Suitable for box camera, wall Mount	Suitable for box camera and housing, wall mount	Camera Ceiling Pendant Mount	Camera Ceiling Pendant Mount, Extension Pipe 1" diameter	Short Wall Mount, junction box	Long Wall Mount, junction box	Roof Parapet Mount	Pole Mount Adapter	Corner Mount Adapter

SUN/RAIN SHIELD / DVR/NVR / CAMERA BRACKETS

	SRS	SRSM	SRSL	WMR*	PC110*	PC110T*	PC120*	PC130*	PC130T*	PC135*	PC140*	PC140PT	PC160	PC165	PC210	PC-FE	CB110*	CB-130	CB135*	CB140PT	CB165
Model	○● *Black model **SRSB**				○● *Black model **PC110B**	○● *Black model **PC110TB**	○● *Black model **PC120B**	○● *Black model **PC130B**	○● *Black model **PC130TB**	○● *Black model **PC135B**	○● *Black model **PC140B**						○● *Black model **CB110B**		○● *Black model **CB135B**		
Description	Wall mount dome rain and sun protection	Medium for outdoor dome rain and sun protection	Large for outdoor dome rain and sun protection	Wall Mounted Bracket for DVR/NVR	110 mm Pendant Cap	110TRS Pendant Cap	120 mm Pendant Cap	130 mm Pendant Cap	130TRL Pendant Cap	135 mm Pendant Cap	140 mm Pendant Cap	140 mm Pendant Cap for DS-2DE3304W-DE	160 mm Pendant Cap	165 mm Pendant Cap	210 mm Pendant Cap for DS-2CD6986F-H	Pendant Cap for fisheye	Conduit Base	Conduit Base	Conduit Base	Conduit Base for DS-2DE3304W-DE	Conduit Base

Compatible with WMS and WML — Compatible with WML

*Wall Mounted Bracket for DVR/NVR is compatible with DS-7608NI-E2/8P and DS-7616NI-E2/16P

CAMERA BRACKETS

	CB-FE	CBM	CBS*	CBXS*	CBT-1	AB110*	AB135*	AB165	AB-FE	AB-FE2	AB-FE45*	ABS*	ABM	RCM-1*	RCM-2*	RCM-3*	RCM-4	WM-C	WM110*	GP100
Model			○● *Black model **CBSB**	○● *Black model **CBSXB**		○● *Black model **AB110B**	○● *Black model **AB135B**					○● *Black model **ABSB**		○● *Black model **RCM-1B**	○● *Black model **RCM-2B**	○● *Black model **RCM-3B**			○● *Black model **WM110B**	
Description	Conduit base for Fisheye	Conduit Base	Conduit Base	Conduit Base	Conduit Base	15° Angled Base	15° Angled Base	15° Angled Base	15° Angled Base for Fisheye	15° Angled Base for Fisheye	45° Angled Base for Fisheye	15° Angled Base DEGREE	15° Angled Base DEGREE	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount*	Wall Mount Compact	Plastic Wall Mount	Single Gang Plate

*Recessed ceiling mount for DS-2DE3304W-DE

BRACKET CHART

		PENDANT CAP												CONDUIT BASE									ANGLED BASE								RECESSED CEILING MOUNT				WALL MOUNT		SUN/RAIN SHADE			GP
	Camera Model	PC110	PC110T	PC120	PC130	PC130T	PC135	PC140	PC140PT	PC160	PC210	PC-FE	PC165	CB110	CB130	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100
PROFESSIONAL SOLUTIONS	DS-2CD41xxFxx-IZ				●											●									●							●						●	●		
	DS-2CD42xxFxx-IZHx*														●																										
	DS-2CD43xxFWD-IZHSx									●																												●	●		
	DS-2CD45xxFxx-IZHx												●					●								●												●			
	DS-2CD4AxxFxx-IZHx*														●						●																				
	DS-2CD63xxFxx-Ix											●							●								●		●												
	DS-2CD6W32FWD-IVS																												●												
	DS-2CD6986F-H										●																														
VALUE PLUS SOLUTIONS	DS-2CD20xxWD-I																					●																			
	DS-2CD21xxFWD-IS	●												●										●												●	●		●		
	DS-2CD23x2WD-I					●														●										●											
	DS-2CD25x2FWD-IS			●																																					
	DS-2CD26x2FWD-IZS*														●						●																				
	DS-2CD27x2FWD-IZS						●									●									●							●						●	●		
	DS-2CD2Tx2WD-I														●						●																				
H.265+ CAMERA	DS-2CD20x5FWD-I																					●																			
	DS-2CD21x5FWD-I	●												●										●												●	●		●		
	DS-2CD23x5FWD-I					●														●										●											
	DS-2CD29x5FWD-IS																											●							●						
	DS-2CD2Tx5FWD-I5																				●																				
VALUE SOLUTIONS	DS-2CD20xx-I																					●																			
	DS-2CD21x2F-I	●												●										●													●	●		●	
	DS-2CD22x2-I5														●						●																				
	DS-2CD23x2-I					●														●										●											
	DS-2CD25xxF-xx			●																																					
	DS-2CD26x2F-I*														●						●																				
	DS-2CD27x2F-I						●									●									●							●						●	●		
	DS-2CD2942F-IS																											●							●						
PTZ CAMERA	DS-2DE2103-DE3/W																																		●						
	DS-2DE2202I-DE3/W																																		●						
	DS-2DE3304W-DE								●								●																	●							
		PC110	PC110T	PC120	PC130	PC130T	PC135	PC140	PC140PT	PC160	PC210	PC-FE	PC165	CB110	CB130	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100

*Includes CB130 conduit base
GP = Gang Plate

BRACKET CHART

		PENDANT CAP												CONDUIT BASE									ANGLED BASE								RECESSED CEILING MOUNT				WALL MOUNT		SUN/RAIN SHADE			GP
	Camera Model	PC110	PC110T	PC120	PC130	PC130T	PC135	PC140	PC140PT	PC160	PC210	PC-FE	PC165	CB110	CB130	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100
Wi-Fi SOLUTIONS	DS-2CD21x2F-IWS	●												●																											
	DS-2DE2103-DE3/W																																			●					
	DS-2DE2202I-DE3/W																																			●					
	DS-2CD25x2FWD-IWS			●																																					
TurboHD™ | ANALOG MIGRATION SOLUTIONS	DS-2CE16C2T-IR																					●																			
	DS-2CE16C5T-IT1														●																										
	DS-2CE16C5T-VFIR3														●						●																				
	DS-2CE16xxT-xxxxxx																				●																				
	DS-2CE16D1T-IT1																					●																			
	DS-2CE16D1T-IR																					●																			
	DS-2CE16D5T-IT3																					●																			
	DS-2CE16D9T-AIRAZH														●						●																				
	DS-2CE56C2T-IRM		●																			●																			
	DS-2CE56C5T-AVFIR				●																													●				●	●		
	DS-2CE56C5T-AVPIR3							●																									●					●	●		
	DS-2CE56C5T-IT1					●																								●											
	DS-2CE56C5T-VFIT3					●														●										●											
	DS-2CE56D1T-AVFIR				●																													●				●	●		
	DS-2CE56D1T-AVPIR3							●																									●					●	●		
	DS-2CE56D1T-IT1		●																		●										●										
	DS-2CE56D1T-IRM		●																			●																			
	DS-2CE56D1T-VPIR	●												●										●													●	●		●	
	DS-2CE56D5T-AIRZ				●																													●				●	●		
	DS-2CE56D5T-AVFIR				●																													●				●	●		
	DS-2CE56D5T-AVPIR3							●																									●					●	●		
	DS-2CE56D5T-AVPIR3ZH							●																									●					●	●		
	DS-2CE56D5T-IR3Z					●														●										●											
	DS-2CE56D5T-IT3					●														●										●											
	DS-2CE56D5T-VFIT3					●														●										●											
		PC110	PC110T	PC120	PC130	PC130T	PC135	PC140	PC140PT	PC160	PC210	PC-FE	PC165	CB110	CB130	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100

GP = Gang Plate

BRACKET CHART

		PENDANT CAP												CONDUIT BASE										ANGLED BASE								RECESSED CEILING MOUNT				WALL MOUNT		SUN/RAIN SHADE			GP
	Camera Model	PC110	PC110T	PC120	PC130	PC130T	PC135	PC140	PC140PT	PC160	PC210	PC-FE	PC165	CB110	CB130	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100
TurboHD™ | ANALOG MIGRATION SOLUTIONS	DS-2CE56D7T-VPIT													●										●													●	●		●	
	DS-2CE16D7T-IT																					●																			
	DS-2CE56D7T-ITM		●																			●									●										
	DS-2CE16D7T-IT5																					●																			
	DS-2CE56D7T-IT3																					●																			
	DS-2CE16D7T–AIT3Z																					●																			
	DS-2CE56D7T-IT3Z					●														●											●										
	DS-2CE56D7T-AITZ				●																													●				●	●		
	DS-2CE56D7T–AVPIT3Z							●																									●					●	●		
	DS-2CE56F7T-VPIT	●												●										●													●	●		●	
	DS-2CE16F7T-IT																					●																			
	DS-2CE56F7T-ITM		●																		●										●										
	DS-2CE16F7T-IT5																					●																			
	DS-2CE56F7T-IT3	●																			●										●										
	DS-2CE16F7T–AIT3Z																				●																				
	DS-2CE56F7T-IT3Z					●														●											●			●							
	DS-2CE56F7T-AITZ				●																																	●	●		
	DS-2CE56F7T–AVPIT3Z							●																									●					●	●		
		PC110	PC110T	PC120	PC130	PC130T	PC135	PC140	PC140PT	PC160	PC210	PC-FE	PC165	CB110	CB130	CB135	CB140PT	CB165	CB-FE	CBM	CBS	CBXS	CBT-1	AB110	AB135	AB165	AB-FE	AB-FE2	AB-FE45	ABM	ABS	RCM-1	RCM-2	RCM-3	RCM-4	WM-C	WM110	SRS	SRSL	SRSM	GP100

GP = Gang Plate

VIDEO MANAGEMENT CLIENT SOFTWARE - iVMS-4200 AND iVMS-4500

iVMS-4200 CLIENT SOFTWARE (WINDOWS AND MAC COMPATIBLE) – NO LICENSING FEE!

Live View	Support up to 4 output screens, recommend maximum of 32 live views
Encoding Device	Up to 256 encoded devices
Decoding Device	Up o 64 decoding devices
Imported Camera	Up to 1024 imported cameras
Camera Group	Up to 256 camera groups, with 64 maximum cameras in one group
Storage Server	Up to 16 storage servers, each server's recording performance is 64*2 Mbps
Stream Media Server	Up to 16 stream media servers,, each server is with incoming connections of 64*2 Mbps and outgoing connections of 200*2 Mbps
Playback	16 channel playback. For best performance, 1 to 4 cameras at a time are recommended for remote playback
Download	Up to 16 simultaneous download tasks
User	Up to 51 users
System Log	Configurable, 1 to 6 months
Map	Supports PNG, BMP, and JPEG images. Nested maps supported.
PTZ	Control, presets, patrols, patterns supported
Device Search	Supports Search Activated Device Protocol (SADP)
Device Configuration	Supports remote programming and configuration of any connected device. Features Add Device Wizard.
Minimum Server System Requirements	Windows 2003/Windows 7/ Windows 8/ Windows 8.1 / Windows Server 2008 (32-bit or 64-bit), Windows Server 2008 R2 / Windows Server 2012 (64-bit)

iVMS-4500 MOBILE CLIENT APPLICATION FOR SMARTPHONES AND TABLETS

Mobile client software can be used to monitor the live video remotely from embedded hybrid DVR, NVR, DVR recorders, IP camera, IP speed dome or DVS/encoder via wireless network.

Number of Devices	100 device addresses
Live View	iPhone/Android Phone: 16 cameras
Remote Playback	iPhone/Android Phone/Windows Phone: 1-ch playback; iPad/Android Tablet: up to 4-ch
Configurable Image Quality	Clear, balanced, fluent, and customized
Frame Rate	Up to 25/30 fps (dependant on device and network)
Resolution	Up to 1080p
Stream Type	Video and audio
PTZ Control	Pan, tilt, zoom
Snapshot	Snapshot and video recording in Live View
Compatible Devices	Apple iOS (iPhone/iPad)[1] Android (1.6 or higher)[2] Windows Mobile[3]

[1]iPhone/iPad app must be acquired from the iTunes App Store.
[2]Android app can be obtained at the Android Market or www.hikvision.com.
[3]Windows Phone 8 app must be acquired from the Windows Store.

Standard Software is included in the compatible product packages only. No-fee policy applies to license, channel, software support agreement, and technical support access of Standard Software only. Customized software may incur additional fee.

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