DS-2DF8836IV-AELW
4K Smart IR PTZ Camera

smart IPC

- 1/1.9" HD CMOS Sensor
- 4K (8 MP) 4096 x 2160 Resolution
- 36x Optical Zoom
- Smart Tracking
- Smart Detection
- 650 ft (200 m) IR Distance
- 120 dB Digital WDR
- Defog
- Standard Wiper
- IP66/IK10
- 24 VAC/Hi-PoE (Injector Included), 60 W

Hikvision 4K series DS-2DF8836IV-AELW smart PTZ dome cameras are able to capture high quality colored images in dim light environments, due to their cutting-edge low illumination level of 0.02 Lux (color). The embedded 1/1.9" progressive scan CMOS chip makes WDR and 8MP real-time resolution possible. With the 36X optical zoom Day/Night lens, the camera covers more details over expansive areas.

The 4K series PTZ camera also features a wide range of smart functions, including intrusion detection, line crossing detection and audio exception, benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs. These features, combined with smart tracking, enable the camera to detect any progressively moving object and follow it within the camera's area of coverage without fault. Smart Defog is further supported to improve image quality in challenging conditions.

Available Models:
DS-2DF8836IV-AELW

DS-2DF8836IV-AELW

Camera Module

Image Sensor	1/1.9" progressive scan CMOS
Minimum Illumination	ƒ/1.5, 50 IRE, AGC on; color: 0.02 lux, B/W: 0.002 lux, 0 lux with IR
Maximum Image Resolution	4096 x 2160
Focal Length	5.7 mm to 205.2 mm, 36x
Digital Zoom	16x
Zoom Speed	Approximately 7.4 s (optical wide-tele)
Angle of View	56.8˚ to 2.02˚ (wide-tele)
Minimum Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	ƒ/1.55 to ƒ/4.8
Focus Mode	Auto/semiautomatic/manual
WDR	120 dB
Shutter Speed	50 Hz: 1 to 1/30,000 s; 60 Hz: 1 to 1/30,000 s
AGC	Auto/manual
White Balance	Auto/manual/ATW/indoor/outdoor/daylight lamp/sodium lamp
Day/Night	IR cut filter
Privacy Mask	24 privacy masks programmable
Optical Defog	Supported
Enhancement	3D DNR, HLC/BLC, SVC

Pan and Tilt

Range	Pan: 360˚ endless; tilt: -20˚ to 90˚ (auto flip)
Speed	Pan manual speed: 0.1˚ to 160˚/s, pan preset speed: 240˚/s Tilt manual speed: 0.1˚ to 120˚/s, tilt preset speed: 200˚/s
Number of Presets	300
Patrols	8 patrols, up to 32 presets per patrol
Patterns	4, with recording time not less than 10 minutes per pattern
Park Actions	Preset, patrol, pattern, auto scan, tilt scan, random scan, frame scan, panorama scan
Scheduled Tasks	Preset, patrol, pattern, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output

Smart Features

Smart Tracking	Manual, panorama, intrusion trigger, line crossing trigger, region entrance trigger, region exiting trigger, smart tracking when patrol between multiple scenarios
Smart Detection	Intrusion detection, line crossing detection, audio exception detection, region entrance detection, region exiting detection
ROI Encoding	Supports 6 areas with adjustable levels

Infrared

IR Distance	Up to 650 ft (200 m)
IR Intensity	Automatically adjusted, depending on the zoom ratio

Alarm

Alarm I/O	7/2
Alarm Triggers	Intrusion detection, line crossing detection, region entrance, region exiting, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, storage exception
Alarm Actions	Preset, patrol, pattern, microSD/SDHC card recording, relay output, notification on client, send e-mail, upload to FTP, trigger channel

Input/Output

Monitor Output	1.0 V[p-p]/75 Ω, NTSC (or PAL) composite, BNC (S/N Ratio☐ 55 dB)
Audio Input	1 mic in/line in interface, line input: 2-2.4 V[p-p]; output impedance: 1K Ω, ±10%
Audio Output	1 audio output interface, line level, impedance: 600 Ω

Network

Ethernet	10Base-T/100Base-TX, RJ-45 connector
Main Stream	50 Hz: 25 fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (4096 × 2160), 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50 Hz: 25 fps (704 × 576, 352 × 288, 176 × 144); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (704 × 576, 352 × 288, 176 × 144); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Image Compression	H.264/MJPEG, H.264 encoding with Baseline/Main/High profile
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Protocols	UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Live Views	Up to 20 simultaneous users
MicroSD Memory Card	Supports up to 128 GB microSD/SDH C/SDXC card Supports Edge recording
User/Host Level	Up to 32 users, 3 levels: administrator, operator, and user
Security Measures	User authentication (ID and PW), host authentication (MAC address), IP address filtering

System Integration

Application Programming	Open-ended API, supports ONVIF, PSIA, CGI, and Genetec
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, supports multi-language
RS-485 Protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power	High-PoE and 24 VAC, maximum 60 W
Working Temp.	-40˚ F to 149˚ F (-40˚ C to 65˚ C)
Humidity	90% or less
Protection Levels	IP66, IK10, TVS 6,000 V lightning protection, surge protection and voltage transient protection
Certifications	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1
Dimensions	φ10.5" x 17.13" (φ266.6 mm × 435 mm)
Weight (approx.)	17.64 lbs (8 kg)

WMP-L Long Wall Mount	CMP Large Corner Mount for WMP-S/L	PMP Pole Mount for WMP-S/L	JBPW-L Power Box Mount w/Wall Bracket	PMPL Large Pole Mount for JBPW-L	CMPL Large Corner Mount for JBPW-L	CPM-S Short Ceiling Pendant Mount	CPM-L Long Ceiling Pendant Mount	CPMPE Ceiling Pendant Mount Extension Pipe	RPM Roof Parapet Mount

Dimensions

$G1\frac{1}{2}$

435

266.6

Unit:mm