

## DS-2DF8336IV-AEL/AELW 3 MP Smart Outdoor PTZ Camera

- 1/3" HD CMOS Sensor
- 3 MP (2048 x 1536) Resolution
- High Frame Rate, up to 60 fps @ 3 MP
- 36x Optical Zoom
- 120 dB True WDR
- Smart Tracking and Smart Detection
- Defog
- 650 ft (200 m) IR Range
- Optional Wiper (-AELW)
- IP66, IK10
- Hi-PoE/24 VAC Power Supply (PoE Injector Included)

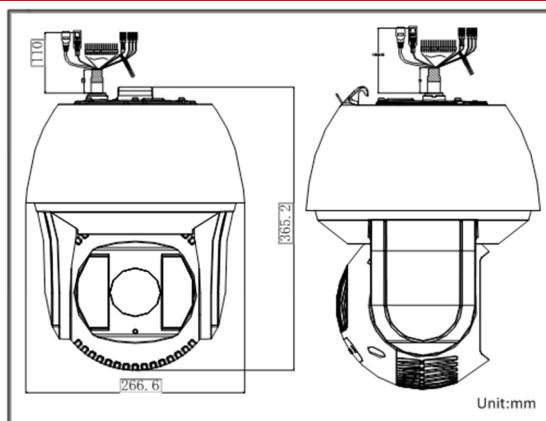
Hikvision's DS-2DF8336IV-AEL/AELW Smart outdoor PTZ dome cameras can capture high quality images of fast moving objects with high frame rate technology (up to 60 fps @ 3 MP). The embedded 1/3" progressive scan CMOS chip provides true WDR (120 dB) and 2 MP real-time resolution. The 36x optical zoom Day/Night lens offers exceptional details over expansive areas.

The DS-2DF8336IV-AEL/AELW cameras also feature a wide range of Smart functions,



including face detection, intrusion detection, line crossing detection and audio exception, benefitting users with great improvement in security efficiency and, more importantly, with key events and objects being recorded for further forensic needs. Smart Tracking detects any progressively moving object and follows it within the camera's area of coverage. Smart defog and HLC/BLC improve image quality in challenging conditions.

### Dimensions















### Available Models:

DS-2DF8336IV-AEL

DS-2DF8336IV-AELW (with wiper)

DS-2DF8335IV-AEL/AELW	
<b>Camera Module</b>	
Image Sensor	1/3" progressive scan CMOS
Min. Illumination	f/1.6, 50 IRE, AGC on; color: 0.05 lux, B/W: 0.01 lux, 0 lux with IR
Max. Image Resolution	2048 × 1536
Focal Length	5.7 mm to 205 mm, 36x
Digital Zoom	16x
Zoom Speed	Approximately 4.5 s (optical wide-tele)
Angle of View	60.6° to 3.68° (wide-tele)
Min. Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	f/1.6 to f/4.4
Focus Mode	Auto/semiautomatic/manual
WDR	120 dB
Shutter Time	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
Enhancement	3D DNR, defog, HLC/BLC, SVC
<b>Pan and Tilt</b>	
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 patterns, with the 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
<b>Smart Features</b>	
Smart Tracking	Manual/panorama/intrusion trigger/line crossing trigger/region entrance trigger/region exiting trigger smart tracking when patrol between multiple scenarios
Smart Detection	Face detection, intrusion detection, line crossing detection, audio exception detection, region entrance detection, region exiting detection
ROI Encoding	Supports 6 areas with adjustable levels
<b>Infrared</b>	
IR Distance	Up to 650 ft (200 m)
IR Intensity	Automatically adjusted, depending on the zoom ratio
<b>Alarm</b>	
Alarm I/O	7/2
Alarm Trigger	Face detection, 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 Action	Preset, patrol, pattern, microSD/SDHC card recording, relay output, notification on client, send email, upload to FTP, trigger channel
<b>Input/Output</b>	
Monitor Output	1.0 V[p-p] / 75Ω, 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
<b>Network</b>	
Ethernet	10Base-T/100Base-TX, RJ-45 connector
Main Stream	50 Hz: 25 fps (2048 × 1536), 25 fps (1920 × 1080), 25 fps (1280 × 720)/50 fps (2048 × 1536), 50 fps (1920 × 1080) 60 Hz: 30 fps (2048 × 1536), 30 fps (1920 × 1080), 30 fps (1280 × 720)/60 fps (2048 × 1536), 60 fps (1920 × 1080)
Sub Stream	50 Hz: 25 fps (704 × 576, 352 × 288, 176 × 144); 60 Hz: 30 fps (704 × 480, 352 × 240, 176 × 120)
Third Stream	50 Hz: 25 fps (2048 × 1536), 25 fps (1920 × 1080), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (352 × 288), 25 fps (176 × 144) 60 Hz: 30 fps (2048 × 1536), 30 fps (1920 × 1080), 30 fps (1280 × 720), 30 fps (704 × 480), 30 fps (352 × 240), 30 fps (176 × 120)
Image Compression	H.264/MJPEG, H.264 encoding with Baseline/Main/High profile
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live Views	Up to 20 users
MicroSD Memory Card	Supports up to 128 GB microSD/SDHC/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
<b>System Integration</b>	
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 Temperature	-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
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1
Dimensions	Φ10.5" x 14.4" (Φ266.6 mm × 365.2 mm)
Weight (approximately)	18 lbs (8 kg)

## Accessories

											
<b>WMP-L</b> Wall Mount PTZ-Long	<b>CMP</b> Corner Mount for WMP-L	<b>PMP</b> Pole Mount for WMP-L	<b>JBP-W</b> PTZ Junction Box w/Wall Bracket	<b>PMPL</b> Pole Mount Large for JBP-W	<b>CMPL</b> Corner Mount Large for JBP-W	<b>CPM-S</b> Ceiling Pendant Mount Short	<b>CPM-L</b> Ceiling Pendant Mount Long	<b>CPMPE</b> Ceiling Pendant Mount Extension Pipe	<b>RPM</b> Roof Parapet Mount	<b>DS-1100K1</b> Network Keyboard	<b>DS-1005K1</b> USB Joystick