HIKVISION®

DS-2DF8436I5X-AELW
4 MP Outdoor 36× Network IR Laser Speed Dome

DARKFIGHTER

- 1/1.9" Progressive Scan CMOS
- Up to 2,560 x 1,440 Resolution
- Minimum Illumination:
  Color: 0.005 Lux @ (F1.5, AGC ON)
  B/W: 0.0005 Lux @ (F1.5, AGC ON)
  0 Lux with IR
- Smart IR up to 1,640 ft (500 m)
- H.265+/H.265 Video Compression
- 36x Optical Zoom, 16x Digital Zoom
- Improved Smart Tracking
- Smart Detection: Line Crossing, Intrusion, Region Enter/Exit
- Rapid Focus
- Digital WDR, 3D DNR, HLC
- IP67 Protection
- 24 VAC/Hi-PoE, 60 W

Hikvision DS-2DF8436I5X-AELW Network Laser Speed Dome Cameras produce images with a resolution of up to 2,560 x 1,440 pixels.

The embedded 1/1.9" progressive scan CMOS chip supports Digital WDR, and the 36x optical zoom allows for greater detail to be collected over more expansive areas.

The Network Laser Speed Dome Camera also features a wide range of smart functions, including intrusion detection, line crossing detection, and audio exception, which allows for key events and objects to be recorded for further forensic needs.

The camera also supports Rapid Focus, which allows for the camera to maintain focus while the lens is zoomed, eliminating auto-focus hunting, and producing clear images at all times.

Smart tracking is included in this model, and enables the camera to detect moving objects by following them within the camera's area of coverage.

Available models:
DS-2DF8436I5X-AELW

Specifications

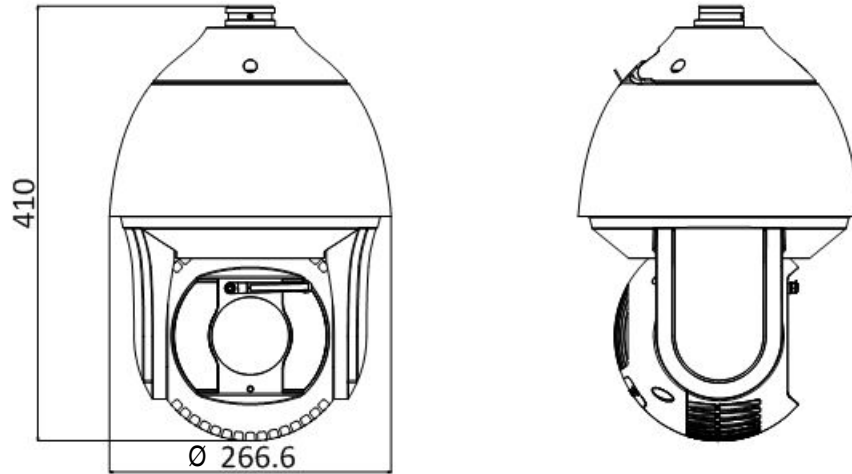|	DS-2DF8436I5X-AELW
Camera Module	
Image Sensor	1/1.9" progressive scan CMOS
Minimum Illumination	Color: 0.005 Lux @(F1.5, AGC ON); B/W: 0.0005 Lux @(F1.5, AGC ON); 0 Lux with IR
Shutter Time	1/1 to 1/30,000 s
White Balance	Auto / manual / ATW (auto-tracking white balance) / indoor / outdoor / fluorescent lamp / sodium lamp
AGC	Auto / manual
Day and Night	IR cut filter
Digital Zoom	16×
Privacy Mask	24 programmable privacy masks
Focus Mode	Auto / semi-automatic / manual
3D DNR	Supported
BLC	Supported
HLC	Supported
Digital WDR	Supported
Optical Defog	Supported
EIS	Supported
Regional Exposure	Supported
Regional Focus	Supported
Rapid Focus	Supported
Lens	
Focal Length	5.7 mm to 205.2 mm, 36× Optical
Zoom Speed	Approximately 4.4 s (optical lens, wide to tele)
Angle of View	Horizontal field of view: 51.1° to 1.7° (wide to tele); vertical field of view: 31.3° to 1.0° (wide to tele); diagonal field of view: 58.0° to 2.0° (wide to tele)
Minimum Working Distance	10 mm to 1,500 mm (wide to tele)
Aperture Range	F1.5 to F4.5
Laser	
Laser Distance	Up to1,640 ft (500 m)
PTZ	
Movement Range (Pan)	360° endless
Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
Movement Range (Tilt)	From -20° to 90°
Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
Proportional Zoom	Supported
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Power-off Memory:	Supported
Park Action	Preset / pattern scan / patrol scan / auto scan / tilt scan / random scan / frame scan / panorama scan
PTZ Status Display	Supported
Preset Freezing	Supported
Scheduled Task	Preset / pattern scan / patrol scan / auto scan / tilt scan / random scan / frame scan / panorama scan / dome reboot / dome adjust / aux output
Smart Features	
Perimeter Protection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, audio exception detection
Event Detection	Audio exception detection
Smart Tracking	Manual tracking, auto tracking (supports the tracking of specified target types, such as humans and vehicles), event tracking
Smart Recording	ANR (Automatic Network Replenishment), Dual-VCA
ROI	Supported
Network	
Maximum Resolution	2,560 x 1,440
Main Stream	30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264; Sub-stream: H.265 / H.264 / MJPEG; Third stream: H.265 / H.264 / MJPEG; H.264 with baseline / main / high profile
ROI	Supported
SVC	Supported
Audio compression	G.711 alaw / G.711 ulaw / G.722.1 / G.726 / MP2L2 / PCM
Protocols	IPv4 / IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP / IP, DHCP, PPPoE, Bonjour
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users. 3 levels: administrator, operator and user
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
System Integration	
Alarm Input/Output	7-ch alarm input and 2-ch alarm output
Audio Interface	1-ch audio input (applicable microphone, plug-in power type), 2 to 2.4 V[p-p], 1 kΩ ± 10% 1-ch audio output, line level, impedance: 600 Ω
Alarm Linkage	Alarm actions, such as preset, patrol scan, pattern scan, memory card video record, trigger recording, notify surveillance center, upload to FTP / memory card / NAS, send email, etc.
Network Interface	1 RJ45 10 M/100 M Ethernet Interface; Hi-PoE
CVBS	Supported
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Storage	Built-in memory card slot, support microSD / SDHC / SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR
API	Open-ended, support ONVIF, and CGI, support HIKVISION SDK and third-party management platforms
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE 7+, Chrome 18-42, Firefox 5.0+, Safari 5.02+
General	
Power	24 VAC (maximum 60 W); Hi-PoE (maximum 50 W)
Working Temperature	-40° F to 158° F (-40° C to 70° C); humidity: ≤ 90%
Protection Level	IP67 standard, TVS 6,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ 10.50" × 16.14"(Φ 266.6 mm × 410 mm)
Weight	Approximately 17.64 lb (8 kg)

HIKVISION

Rev. 022118NA

Accessories

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

Dimensions

410

Ø 266.6

Unit: mm

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