

## DS-2DF6A436X-AEL

### 4 MP Outdoor 36x Network Speed Dome



- **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
- **H.265+/H.265 Video Compression**
- **36x Optical Zoom, 16x Digital Zoom**
- **Smart Tracking**
- **Smart Detection: Line Crossing, Intrusion, Region Enter/Exit**
- **Rapid Focus**
- **120 dB WDR, 3D DNR, HLC**
- **IP67, IK10 Protection**
- **24 VAC/Hi-PoE, 60 W**

Hikvision DS-2DF6A436X-AEL Network 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 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-2DF6A436X-AEL



# Specifications

## DS-2DF6A436X-AEL

### 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
WDR	120 dB
Rapid Focus	Supported

### Lens

Focal Length	5.7 mm to 205.2 mm, 36× optical zoom
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

### PTZ

Movement Range [Pan]	360° endless
Pan Speed	Configurable, from 0.1°/s to 300°/s, Preset Speed: 540°/s
Movement Range [Tilt]	From -20° to 90° [auto-flip]
Tilt Speed	Configurable, from 0.1°/s to 240°/s, Preset Speed: 400°/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
3D Positioning	Supported
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

### Compression Standard

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 Type	Baseline profile / main profile / high profile
H.264+	Supported
H.265 Type	Main profile
H.265+	Supported
Video Bitrate	32 kbps to 16,384 kbps
Audio Compression	G.711alaw / G.711ulaw / G.722.1 / G.726 / MP2L2 / PCM
Audio Bitrate	64 kbps [G.711] / 16 kbps [G.722.1] / 16 kbps [G.726] / 32 to 160 kbps [MP2L2]

### Smart Features

Perimeter Protection	Intrusion detection, line crossing detection, region entrance detection, region exiting detection, alarm triggering by specific target types (humans and vehicles). Filtering out of false alarms caused by leaves, light, animals, flags, and other such target types.
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
RDI	Supported

### Image

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]
Image Enhancement	HLC / BLC / 3D DNR / Defog / EIS / Regional Exposure / Regional Focus
SVC	Supported

### Network

Network Storage	Built-in memory card slot, support microSD / SDHC / SDXC, up to 256 GB; NAS (NFS, SMB / CIFS), ANR
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.
Protocols	IPv4 / IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP / IP, DHCP, PPPoE, Bonjour
API	Open-ended, support ONVIF, ISAPI, and CGI, support for HIKVISION SDK and third-party management platforms
Simultaneous Live View	Up to 20 channels
User / Host	Up to 32 users. Three 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
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51






### Interface

Alarm	7-ch alarm input / 2-ch alarm output
Audio	1-ch audio input / 1-ch audio output
Network Interface	1 RJ45 10 M / 100 M Ethernet Interface, Hi-PoE
RS-485	Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive
BNC	1.0 V [p-p] / 75 Ω, NTSC [or PAL] composite, BNC

### 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, IK10, TVS 6,000V lightning protection, surge protection and voltage transient protection
Material	Aluminum alloy
Dimensions	∅ 9.10" x 14" [∅ 231.1 mm x 355.6 mm]
Weight	Approximately 13.23 lb [6 kg]

# Accessories

							
<b>CMP-JB-G</b> Corner Mount for JBPW-L-G (Gray)	<b>PMP-JB-G</b> Pole Mount for JBPW-L-G (Gray)	<b>CPM-S-G</b> Short Ceiling Pendant Mount (Gray)	<b>CPM-L-G</b> Long Ceiling Pendant Mount (Gray)	<b>JBPW-L-G</b> PTZ Junction Box with Wall Bracket (Gray)	<b>CPMPE-G</b> Ceiling Mount Extension Pipe (Gray)	<b>PMP-V-G</b> Vertical Pole Mount for CPM-S/L (Gray)	<b>RPM-G</b> Roof Parapet Mount (Gray)

# Dimensions

