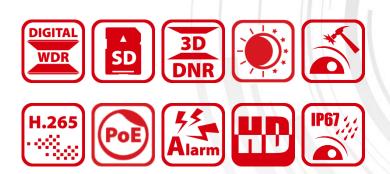


DS-2DF8836IX-AEL(W) (B) 8MP 36× Network IR Speed Dome



Hikvision DS-2DF8836IX-AEL(W) 8MP 36× Network IR Speed Dome adopts 2/3" progressive scan CMOS chip. With the 36× optical zoom lens, the camera offers more details over expansive areas.

This series of cameras can be widely used for wide ranges of high-definition, such as the rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

Key Features

- 2/3" progressive scan CMOS
- Up to 4096 × 2160 resolution
- Min. Illumination: Color: 0.005 Lux @(F1.5, AGC ON)
 B/W: 0.0005 Lux @(F1.5, AGC ON)
 0 Lux with IR

HIKVISION

- 36× optical zoom, 16× digital zoom
- Digital WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 200 m IR distance
- Support H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- IK10 IP67





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Image Sensor 2/3" progressive scan CMOS Color: 0.005 Lux @(F1.5, AGC CN) BW: 0.0005 Lux @(F1.5, AGC CN) Shutter Time 1/1 is to 1/30,000 s White Balance Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp AGC Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp AGC Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp AGC Auto/Manual Day & Night II: cut filter Digital Zoom 16x Privacy Mask 24 programmable polygon privacy masks Focus Mode Auto/Semi-automatic/Manual 3D DNR Support BLC Support Optical Defog Support Optical Defog Support Biginal Exposure Support Coon Speed Approx. 7.8 s (optical lens, wide-tele) Focal Length 7.5 mm to 270 mm, 36x Optical Zoom Speed Approx. 7.8 s (optical lens, wide-tele) Working Distance 10 mm to 1500 mm (wide-tele) Vertical field of view. 36.4" to 2.0" (wide-tele) Vertical field of view. 35.4" to 2.10", kivide-tele) Digman Heid Of view. 35.4" to 2.10", kivide-tele) Vertical field of view. 36.4" to 2.11" (wide-tele) Digman Heid	Camera Module	Specification
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Horizontal field of view: 56.1° to 2.0° (wide-tele) Vertical field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessSamePan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-filip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan8 patrols, up to 32 presets for each patrolPower-off Memory:SupportPreset/Pattern Scan, record time over 10 minutes for each scanPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	Focal Length	7.5 mm to 270 mm, 36× Optical
Field of ViewVertical field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 62.9° to 2.3° (wide-tele)Working Distance10 mm to 1500 mm (wide-tele)Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: ScanPTZ Status DisplaySupportPreset FreezingSupportSupportSupportPreset FreezingSupportPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support larm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	Zoom Speed	Approx. 7.8 s (optical lens, wide-tele)
Aperture RangeF1.5 to F4.5PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan8 patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	Field of View	Vertical field of view: 33.4° to 1.1° (wide-tele)
PTZMovement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Pattern Scan8 patrols, up to 32 presets for each patrolPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Working Distance	10 mm to 1500 mm (wide-tele)
Movement Range (Pan)360° endlessPan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan8 patrols, up to 32 presets for each patrolPower-off Memory:SupportPreset/Pattern Scan, record time over 10 minutes for each scanPower-off Memory:SupportPreset FreezingSupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Aperture Range	F1.5 to F4.5
Pan SpeedConfigurable, from 0.1°/s to 210°/s, Preset Speed: 280°/sMovement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan8 patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panoram: Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types such as leaf, light, animal, and flag, etc	PTZ	
Movement Range (Tilt)From -20° to 90° (Auto-flip)Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan8 patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Movement Range (Pan)	360° endless
Tilt SpeedConfigurable, from 0.1°/s to 150°/s, Preset Speed: 250°/sProportional ZoomSupportPresets300Patrol Scan8 patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Pan Speed	Configurable, from 0.1°/s to 210°/s, Preset Speed: 280°/s
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Presets300Patrol Scan8 patrols, up to 32 presets for each patrolPattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Tilt Speed	Configurable, from 0.1°/s to 150°/s, Preset Speed: 250°/s
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Pattern Scan4 pattern scans, record time over 10 minutes for each scanPower-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Presets	300
Power-off Memory:SupportPark ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Patrol Scan	8 patrols, up to 32 presets for each patrol
Park ActionPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama ScanPTZ Status DisplaySupportPreset FreezingSupportScheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Pattern Scan	4 pattern scans, record time over 10 minutes for each scan
Park Action Scan PTZ Status Display Support Preset Freezing Support 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 Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	Power-off Memory:	Support
Preset Freezing Support 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 Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	Park Action	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
Scheduled TaskPreset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux OutputSmart FeaturesPerimeter ProtectionIntrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc.	PTZ Status Display	Support
Scheduled Task Scan/Dome Reboot/Dome Adjust/Aux Output Smart Features Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Preset Freezing	Support
Perimeter Protection Intrusion, Line Crossing, Region Entrance, Region Exiting Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output
Perimeter Protection Support alarm triggering by specified target types (human and vehicle) Filtering out mistaken alarm caused by target types such as leaf, light, animal, and flag, etc	Smart Features	
	Perimeter Protection	
Event Detection Face Detection, Audio Exception Detection	Event Detection	Face Detection, Audio Exception Detection



Smart Tracking	Manual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Event Tracking	
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA	
ROI	Support	
IR		
IR Distance	200 m	
Smart IR	Support	
Network		
Max. Resolution	4096 × 2160	
Main Stream	50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)	
Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)	
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)	
ROI	Support	
SVC	Support	
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	
Audio compression	G.711alaw/G.711ulaw/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 Interface	7-ch alarm input/2-ch alarm output	
Audio Interface	1-ch audio input (applicable microphone, plug-in power type), 2 to 2.4 V[p-p], 1 K Ω ± 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	Support	
RS-485	HIKVISION, Pelco-P, Pelco-D, self-adaptive	
Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIPS), ANR	
ΑΡΙ	Open-ended, support ONVIF, and CGI, support HIKVISION SDK and Third-Party Management Platform	
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	
General		
Power	24 VAC (Max. 60 W) Hi-PoE (Max. 50 W)	
Working Temperature	Outdoor: -40°C to 70°C (-40°F to 158°F)	
Working Humidity	≤ 90%	
Protection Level	IP67 Standard, IK10 (only supported by camera without wiper), TVS 6,000V Lightning Protection, Surge Protection and Voltage Transient Protection	

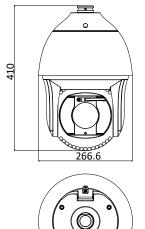


Dimensions	Φ 266.6 mm × 410 mm (Φ 10.50" × 16.14")
Weight	Approx. 8 kg (17.64 lb)

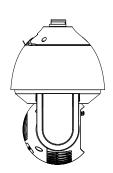
Order Model

DS-2DF8836IX-AEL	(B), without wiper, 24 VAC & Hi-PoE
DS-2DF8836IX-AELW	(B), with wiper, 24 VAC & Hi-PoE

Dimensions



o



Unit: mm



Accessories

0. J p.0		DS-1604ZJ	Wall Mounting Bracket
6	a P	DS-1604ZJ-box	Wall Mounting Bracket with Junction Box
		DS-1604ZJ-box-pole	Vertical Pole Mounting Bracket with Junction Box
		DS-1604ZJ-box-corner	Wall Mounting Bracket with Junction Box
7		DS-1660ZJ	Parapet Wall Mounting Bracket
	D	DS-1619ZJ	Gooseneck Mounting Bracket
	Ì.	DS-1661ZJ	Pendant Mounting Bracket
	ted by	DS-1662ZJ	Pendant Mounting Bracket
1	P	DS-1663ZJ	Ceiling Mounting Bracket
		DS-1667ZJ	Extendable Pole for Pendant Mounting Bracket
h	NU SION	DS-1673ZJ	Horizontal Pole Mounting Bracket
	jiang Distri 71-8807-5998 sbusiness@hikvision.com	_{ct} DS-1682ZJ	Extendable Pole for Pendant Mounting Bracket

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