

DS-2DE4415IW-DE 4 MP 15 × IR Network Speed Dome

AcuSense



















Hikvision DS-2DE4415IW-DE (S5) 4 MP 15 × IR Network Speed Dome adopts 1/2.8" progressive scan CMOS chip. With the 15 × 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, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- Focuses on human and vehicle targets classification based on deep learning
- Support face capture. Up to 5 faces captured at the same time
- 1/2.8" Progressive Scan CMOS
- Up to 2560 × 1440 @30fps resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 15 × optical zoom, 16 × digital zoom
- WDR, HLC, BLC, 3D DNR, Defog, Regional Exposure, **Regional Focus**
- Up to 100 m IR distance
- 12VDC & POE (802.3at)
- Support H.265+/H.265 video compression





Specification

Camera Module				
	1/3 Oll progressive seen CMOS			
Image Sensor	1/2.8" progressive scan CMOS			
Min. Illumination	Color: 0.005Lux @ (F1.6, AGC ON); B/W: 0.001Lux @ (F1.6, AGC ON), 0 Lux with IR			
Shutter Speed	1/1 s to 1/30000 s			
Slow Shutter	yes			
Focus	semi-auto, manual, auto			
Day & Night	ICR			
Day/Night Switch	day, night, auto, scheduled-switch			
BLC	yes			
WDR	120 dB WDR			
HLC	yes			
3D DNR	yes			
Defog	yes			
EIS				
	yes			
Regional Exposure	yes			
Regional Focus	yes			
Image Settings	saturation, brightness, contrast, sharpness			
White Balance	auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, Locked WB			
Digital Zoom	16 ×			
Optical Zoom	15 ×			
Privacy Mask	up to 24 masks, polygon region, mosaic mask, mask color configurable			
SNR	> 52dB			
Lens				
Focal Length	5 mm to 75 mm, 15 × Optical			
Zoom Speed	approx. 2.3 s			
FOV	Horizontal field of view: 55° to 4° (wide-tele), Vertical field of view: 33° to 2.2° (wide-tele), Diagonal field of view: 61.5° to 4.6° (wide-tele)			
Aperture	F1.6			
PTZ				
Movement Range (Pan)	360°			
Movement Range (Tilt)				
Pan Speed	-15° to 90° (auto flip)			
•	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s			
	+14			
	tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s			
Proportional Zoom	yes			
Proportional Zoom	yes 300			
Proportional Zoom Presets Patrol Scan	yes 300 8 patrols, up to 32 presets for each patrol			
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Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans			
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Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action BD Positioning	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan			
Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action 3D Positioning PTZ Status Display	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes yes			
Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action 3D Positioning PTZ Status Display Preset Freezing	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes			
Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action 3D Positioning PTZ Status Display Preset Freezing Scheduled Task	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes yes yes yes yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan,			
Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action BD Positioning PTZ Status Display Preset Freezing Scheduled Task	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes yes yes yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output			
Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action 3D Positioning PTZ Status Display Preset Freezing Scheduled Task Video Max. Resolution	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes yes yes yes yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output			
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Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action 3D Positioning PTZ Status Display Preset Freezing Scheduled Task Video Max. Resolution Stream Type	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes yes yes yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output 2560 × 1440 main stream, sub-stream, third stream 50Hz:25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)			
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Tilt Speed Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action 3D Positioning PTZ Status Display Preset Freezing Scheduled Task Video Max. Resolution Stream Type Main Stream Sub-Stream	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes yes yes yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output 2560 × 1440 main stream, sub-stream, third stream 50Hz:25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)			
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Proportional Zoom Presets Patrol Scan Pattern Scan Power-off Memory Park Action 3D Positioning PTZ Status Display Preset Freezing Scheduled Task Video Max. Resolution Stream Type Main Stream Sub-Stream Third Stream	yes 300 8 patrols, up to 32 presets for each patrol 4 pattern scans yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan yes yes yes yes preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output 2560 × 1440 main stream, sub-stream, third stream 50Hz:25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240) 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)			
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H.265 Type	main profile			
H.264+	yes			
H.265+	yes			
SVC	yes			
ROI	dynamic face tracking, fixed region, main stream, sub-stream and third stream respectively support eight fixed areas			
Audio	The separation of the separati			
Audio Compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM			
Audio Bit rate	MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps			
Audio Sampling Rate	MP2L2: 16 kHz, 32 kHz, 48 kHz, PCM: 8 kHz, 16 kHz, 32 kHz, 48 kHz			
Environment Noise Filtering	yes			
Smart Features	YC3			
	viae.			
Face Capture	yes			
Basic Event	audio exception, motion detection, video tampering alarm, exception			
Smart Event	intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection			
Smart Record	ANR, Dual-VCA			
Alarm Linkage	preset, patrol scan, pattern scan, memory card video recording, alarm output, sending email, notify surveillance center, upload to FTP			
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting			
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)			
Network				
Network Storage	NAS (NFS, SMB/ CIFS), ANR			
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour			
API	ISAPI, Hikvision SDK, Hik-Connect, ONVIF (Profile S, Profile G, Profile T), ISUP			
Simultaneous Live View	20			
User/Host	32			
Smooth Streaming	yes			
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter			
Client	iVMS-4200, Hik-Connect, HikCentral			
Web Browser	IE 8 to 11, Chrome 57+, Firefox 52+, Safari 12+			
Interface				
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port			
On-board Storage	support microSD/microSDHC/microSDXC cards, up to 256 GB			
Alarm Input	1 alarm input			
Alarm Output				
Audio Input	1 alarm output			
•	1 audio input, 2.0 to 2.4Vp-p, 1k Ohm±10%,			
Audio Output	1 audio output, line level, impedance: $600~\Omega$			
Supplement Light	400			
IR Distance	100 m			
General				
Power	12 VDC, PoE (802.3at)			
Power Consumption and Current	Max. 24 W, including max. 9 W for supplement light			
Operating Conditions	-30°C to 65°C (-22°F to 149°F); humidity lower than 90%RH			
Reset	yes			
Material	ADC 12, PC, PC+10% GF			
Dimensions	Φ 164.5 mm × 290 mm (Φ 6.48" × 11.42")			
Weight	Approx. 2 kg (4.41 lb)			
Approval				
Protection	IP66, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection			

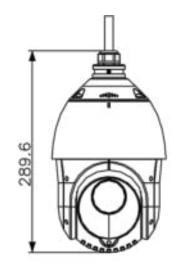
DORI

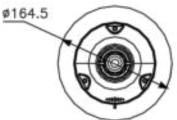
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 62676-4: 2015.



DORI	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance(Tele)	1320.0 m (4330.7 ft)	523.8 m (1718.5 ft)	264.0 m (866.1 ft)	132.0 m (433.1 ft)

Dimension







Unit:mm

- Accessory
- Included



DS-1618ZJ Wall Mount



ASW0081-1220002W

Optional



DS-1682ZJ Extendable Pole for Pendant Mount



DS-1602ZJ Wall Mount



DS-1604ZJ-box Wall mount with junction box



DS-1604ZJ Wall mount with junction box



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DS-1604ZJ-corner

Corner Mount

DS-1673ZJ

Horizontal Pole Mount

DS-1667ZJ

Extendable Pole for

Pendant Mount



DS-1604ZJ-BOX-CORNER Wall Mount with junction box



DS-1661ZJ **Pendant Mount**



DS-1662ZJ **Pendant Mount**

DS-1604ZJ-pole

Vertical Pole Mount



DS-1604ZJ-BOX-POLE Vertical Pole Mount with junction box



DS-1663ZJ Ceiling Mount





DS-1660ZJ Parapet wall mount



DS-1005KI **USB Joy-stick**



DS-1681ZJ Installation Adapter



DS-1100KI Network Keyboard



DS-1619ZJ

Gooseneck Mount

LAS60-57CN-RJ45 Hi-PoE midspan

*DS-1673ZJ should be used with DS-1661ZJ or DS-1602ZJ.

Available Model

DS-2DE4415IW-DE (S5)

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