DS-2DE3A404IWG1H-E/W
4 MP 4X AcuSense IR WI-FI Network Dome PTZ Camera





Hikvision DS-2DE3A404IWG1H-E/W 4 MP 4× IR PTZ Network Camera adopts 1/1.8" progressive scan CMOS chip. With the 4× 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 rivers, forests, roads, railways, airports, ports, squares, parks, scenic spots, stations and large venues, etc.

- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter and AI-ISP technology
- 4X optical zoom and 16x digital zoom provide close up views over an expansive area
- Up to 50 m IR range ensures safety at night
- Supports face capture, detects, captures, grades and selects faces in motion, and outputs the best face picture
- Water and dust resistant (IP66)

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.001 Lux @ (F1.5, AGC ON),B/W: 0.001 Lux @ (F1.5, AGC ON),0 Lux with IR
Shutter Speed	1/1 s to 1/30,000 s
Day & Night	IR cut filter
Zoom	4x optical, 16x digital
Slow Shutter	Yes
Lens	
Focal Length	2.8 to 12 mm
FOV	Horizontal field of view: 107.4° to 39.8°, vertical field of view: 56° to 22.4°, diagonal field of view: 130.1° to 45.7°
Focus	Auto, semi-auto, manual
Aperture	Max. F1.5
Zoom Speed	Approx. 2 s
Illuminator	
Supplement Light Type	IR
Supplement Light Range	IR distance: up to 50 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
PTZ	
Movement Range (Pan)	0° to 355°
Movement Range (Tilt)	0° to 90°
Pan Speed	Pan speed: configurable from 0.1° to 60°/s, preset speed: 60°/s
Tilt Speed	Tilt speed: configurable from 0.1° to 50°/s, preset speed 50°/s
Proportional Pan	Yes
Presets	300
Park Action	Preset,patrol scan
3D Positioning	Yes
PTZ Status Display	Yes
Scheduled Task	patrol scan,Preset,dome reboot,dome adjust
Power-off Memory	Yes
Video	
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (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 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	8 fixed regions for main stream

Audio	
Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,AAC-LC
Audio Bit Rate	64 Kbps (G.711),16 Kbps (G.722.1),32 to 160 Kbps (MP2L2),16 to 64Kbps (AAC-LC),16 Kbps (G.726)
Audio Sampling Rate	8 kHz,16 kHz
Environment Noise Filtering	Yes
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users; 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, HikCentral Pro, Hik-Connect *Wi-Fi connection with Hik-Connect directly is not possible.
Web Browser	Chrome80+、Firefox80+、Safari13+、Edge89+
Wireless (Wi-Fi)	
Encryption Mode	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Wi-Fi Protocols	IEEE802.11b,IEEE802.11g,IEEE802.11n,IEEE802.11ax
Frequency Range	2.4 GHz - 2.4835 GHz
Channel Bandwidth	20/40 MHz
Modulation	802.11b: CCK、DQPSK、DBPSK,802.11g: OFDM/64QAM、16QAM、QPSKg、BPSK,802.11n: OFDM/64QAM、16QAM、QPSKg、BPSK,802.11ax: OFDM/256QAM、64QAM、16QAM、QPSK、BPSK
Transfer Rate	11b: up to 11、5.5、2、1 Mbps,11g: up to 54、48、36、24、18、12、9、6 Mbps,11n: up to MCS0-MCS7 Mbps,11ax: up to MCS0-MCS9 Mbps
Image	
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	120 dB
SNR	> 52 dB
Defog	Digital Defog
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
Regional Focus	Yes
Regional Exposure	Yes
Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB

Built-in Microphone	1 built-in microphone, picking up sounds in the radius up to 5 meters
Built-in Speaker	1 built-in speaker, with effective distance reaching max. 10 meters
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Reset	Yes
Alarm	1 input(s), 1 output(s)
Event	
Basic Event	Motion detection,video tampering alarm,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection,intrusion detection,region entrance detection,region exiting detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,audible warning
General	
Power	12 VDC, Max. 24 W; PoE (802.3at)
Dimension	Ø156.4 mm × 142.1 mm (Ø6.16" × 5.59")
Weight	Approx. 1.9 kg (4.19 lb.)
Operating Condition	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 90% or less (non-condensing)
General Function	Mirror, password protection
Approval	
Protection	IP66 (IEC 60529-2013), IK10, TVS 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)	165.5 m (543.0 ft)	65.7m (215.5 ft)	33.1m (108.6ft)	16.6m (54.3ft)

▪ Typical Application

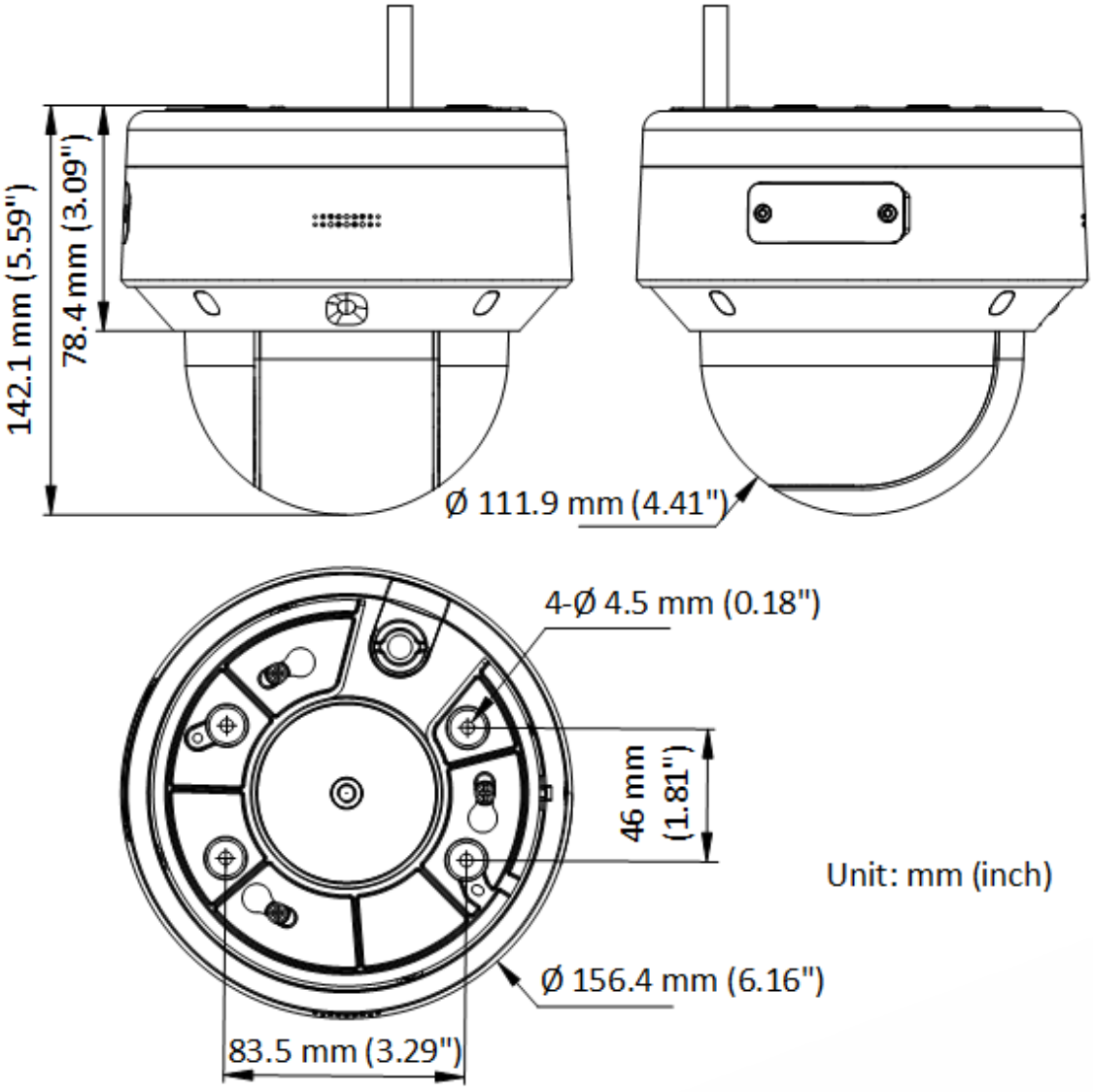
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in

	areas where no specific anti-corrosion protection is needed.

▪ Dimension



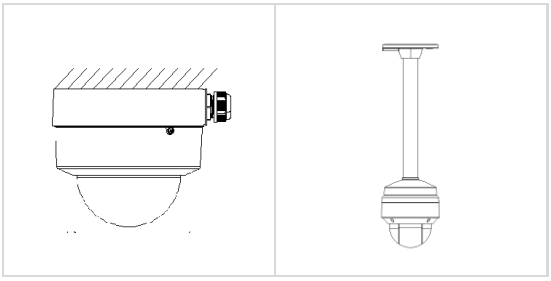
▪ Accessory

▪ Optional

DS-1280ZJ-PT6	DS-1271ZJ-140
	

▪ Installation Methods

Junction Box	Pendant Mounting
DS-1280ZJ-PT6	DS-1271ZJ-140



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