

DS-2DE4432WG-E3 4 MP 32 × Network Speed Dome



Hikvision DS-2DE4432WG-E3 4 MP 32 × Network Speed Dome adopts 1/1.8" progressive scan CMOS chip. With the 32 × optical zoom lens, the camera offers more details over expansive areas. This series of cameras can be widely used for different indoor environment.

- High quality imaging with 4 MP resolution
- Excellent low-light performance via Powered-by-DarkFighter technology
- WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus
- Pan and tilt ability enables camera to monitor zones of interest
- 32 × optical zoom allows for closer viewing of subjects in expansive areas
- Fast focus function to ensure continuous clarity of the image
- The in-ceiling mount design makes the camera more compact and hidden

▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON)
Shutter Speed	1 s to 1/30,000 s
Day & Night	IR cut filter
Zoom	32 × optical, 16 × digital
Slow Shutter	Yes
Lens	
Focal Length	6.5 to 208 mm
FOV	Horizontal field of view: 58.5° to 2.4°, vertical field of view: 35° to 1.4°, diagonal field of view: 65.3° to 2.8°
Focus	Auto, semi-auto, manual
Aperture	Max. F1.6
Zoom Speed	Approx. 6.2 s
PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	0° to 90°
Pan Speed	Pan speed: configurable from 0.1° to 160°/s; preset speed: 160°/s
Tilt Speed	Tilt speed: configurable from 0° to 120°/s, preset speed 120°/s
Proportional Pan	Yes
Presets	300
Preset Freezing	Yes
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan
3D Positioning	Yes
PTZ Status Display	Yes
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Power-off Memory	Yes
Video	
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720), 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz : 25 fps (1920 × 1080 , 1280 × 960 , 1280 × 720 , 704 × 576 , 640 × 480 , 352 × 288) 60 Hz : 30 fps (1920 × 1080 , 1280 × 960 , 1280 × 720 , 704 × 576 , 640 × 480 , 352 × 288)

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
Video Bit Rate	32 Kbps to 16 Mbps
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 each stream
Audio	
Audio Compression	PCM/MP2L2/G.722.1/AAC-LC/G.726/G.711/MP3
Audio Bit Rate	8~48 Kbps (PCM)/32~192 Kbps (MP2L2)/16 Kbps (G.722.1)/16~64 Kbps (AAC-LC)/16 Kbps (G.726)/64 Kbps (G.711ulaw/G.711alaw)/8~320 Kbps (MP3)
Audio Sampling Rate	48kHz/32kHz/16kHz/8kHz
Environment Noise Filtering	Yes
Network	
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, WebSocket, WebSockets
Simultaneous Live View	Up to 20 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, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), 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)
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser	IE11, Chrome57+, Firefox52+, Safari11+
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 10 M/100 M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB, Built-in eMMC storage, up to 128 GB
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 K Ω $\pm$ 10%; 1 output (line out), line level, output impedance: 600 Ω
Alarm	1 alarm input, 1 alarm output

Reset	Yes
Event	
Basic Event	Motion detection,video tampering alarm,exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error),alarm input and output,audio exception detection
Smart Event	Line crossing detection,intrusion detection,region entrance detection,region exiting detection,unattended baggage detection,object removal detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,audible warning,smart tracking,and PTZ actions (such as preset, patrol scan, pattern scan)
General	
Power	12 VDC $\pm$ 25%, max. 18 W,PoE (802.3at)
Dimension	Ceiling mounting: $\varnothing$ 165 mm $\times$ 179.5 mm ($\varnothing$ 6.5" $\times$ 7.1"),In-ceiling Mounting: $\varnothing$ 165 mm $\times$ 168 mm ($\varnothing$ 6.5" $\times$ 6.61")
Weight	Approx. 2 kg (4.41 lb.)
Material	ADC 12, PC+ABS, PC/PMMA
Operating Condition	-10 $^{\circ}$ C to 50 $^{\circ}$ C (-10 $^{\circ}$ F to 122 $^{\circ}$ F). Humidity 90% or less (non-condensing)
Approval	
EMC	CE-EMC (EN 50130-4:2011+A1:2014, EN 55032:2015+A11:2020+A1:2020, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC 61000-3-2:2019+A1:2021)
Safety	CE-LVD (EN 62368-1:2014 + A11:2017),CB (IEC 62368-1:2014 + A11)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP54 (IEC 60529-2013)

▪ 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)	2400.0 m (7874.02 ft)	952.4 m (3124.67 ft)	480.0 m (1574.8 ft)	240.0 m (787.4 ft)

▪ Typical Application

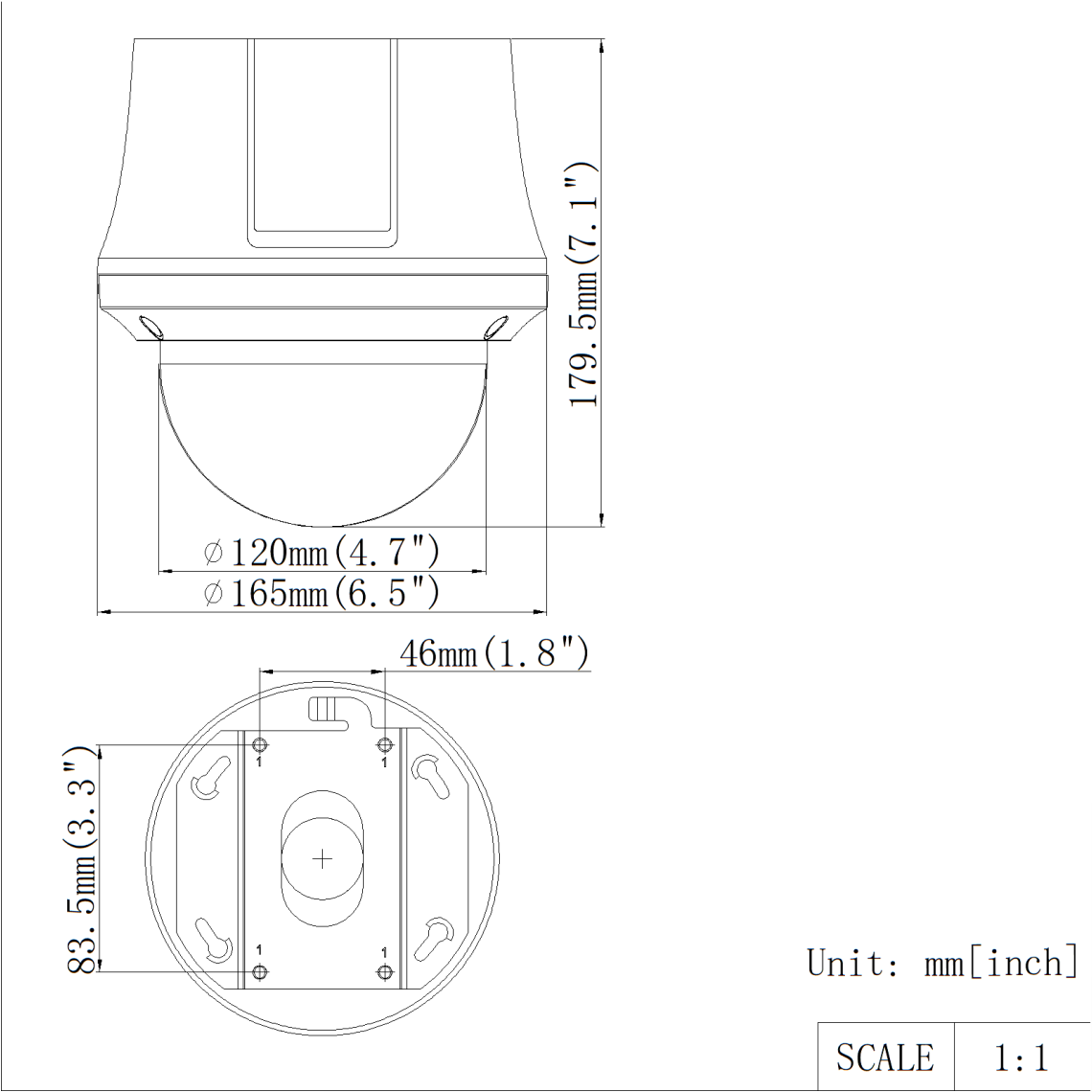
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

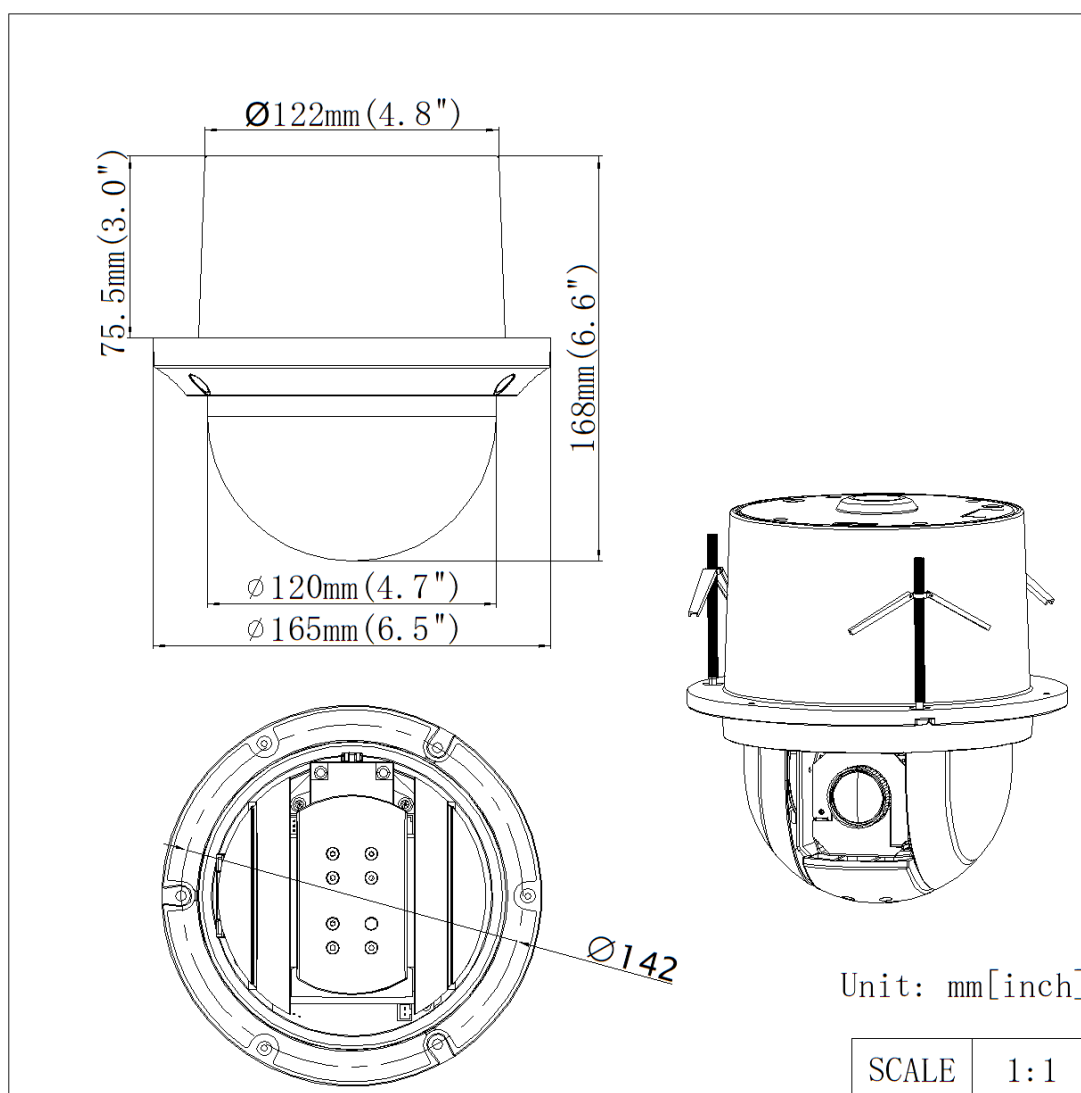
This model has NO SPECIFIC PROTECTION.

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





See Far, Go Further



www.hikvision.com
support@hikvision.com

