

2310111187

DS-2DE4425IW-DE(T5) Network PTZ Camera 4MP

Network PTZ Camera

- Up to 5 faces captured at the same time
- 1/2.8" progressive scan CMOS
- High quality imaging with 4 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 25× optical zoom and 16× digital zoom provide close up views over expansive areas
- Expansive night view with up to 100 m IR distance
- Support H.265+/H.265 video compression

IP66 H.264

Description

The DS-2DE4425IW-DE(T5) Network PTZ Camera 4MP adopts a 1/2.8" progressive scan CMOS chip. The maximum resolution is 2560 x 1440 with a shutter speed of 1 s to 1/30,000 s. It is empowered by deep learning algorithms with a system that vastly improves alarm efficiency and effectiveness. It focuses on human and vehicle targets classification based on deep learning and supports face capture with up to 5 faces captured at the same time.

The camera boasts excellent low-light performance with powered-by-DarkFighter technology. It also has both 25x optical zoom and 16x digital zoom that provide close up views over expansive areas making it quite suitable for the maritime industry. The movement range is 360° (pan) and -15° to 90° (auto flip tilt). Additionally, it has expansive night view with up to 100 m IR distance.

DS-2DE4425IW-DE(T5) Network PTZ Camera 4MP

The network camera supports H.265+ / H.265 video compression which reduces bandwidth and storage requirements.

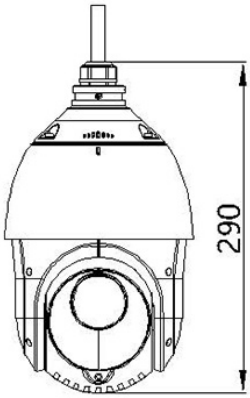
It is encased in aluminum housing with 100m IR illumination and is 12VDC or PoE+ or High PoE midspan supported (18W). This PTZ camera is IP66 rated for outdoor use. Supported web browsers include Chrome 57.0+, Firefox 52.0+, Safari 11+, and IE11.

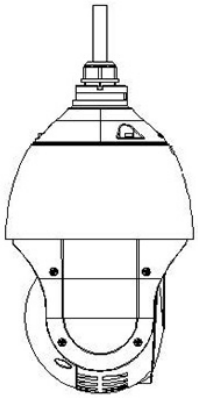
Technical Dimensions

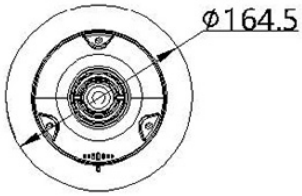
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Unit:mm

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Specifications

CAMERA	
Image Sensor	1/2.8" 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), 0 Lux with IR
Shutter Speed	1 s to 1/30,000 s
Slow Shutter	Yes
Day & Night	IR cut filter
Zoom	25x optical, 16x digital

LENS	
Focus	Auto, semi-auto, manual
Aperture	Max. F1.6
Zoom Speed	Approx. 3.6 s
Focal Length	4.8 mm to 120 mm
FOV	Horizontal field of view: 55° to 2.4° (wide-tele)
	Vertical field of view: 33° to 1.4° (wide-tele)
	Diagonal field of view: 61.5° to 2.8° (wide-tele)

ILLUMINATOR	
Supplemental Light Type	IR
Supplemental Light Range	IR Distance: up to 100 m

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PTZ

Proportional Pan	Yes
Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, auxiliary output
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (auto flip)
Pan Speed	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s
Tilt Speed	tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Power-off Memory	Yes
3D Positioning	Yes
PTZ Status Display	Yes
Preset Freezing	Yes

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VIDEO

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
Region of Interest (ROI)	8 fixed regions for each stream
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)
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 × 480, 640 × 480, 352 × 240)
Video Bit Rate	32 kbps to 16384 kbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding

AUDIO

Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering	Yes

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NETWORK

Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (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, Websocket, Websockets
API	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Simultaneous Live View	Up to 20 channels
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, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser	Chrome 57.0+, Firefox 52.0+, Safari 11+, IE11

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 Stabilization	EIS
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
Regional Focus	Yes
Regional Exposure	Yes

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INTERFACE

Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB
Alarm	1 input, 1 output
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

EVENT

Basic Event	Motion detection, video tampering alarm, exception, alarm input and output
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, audio exception detection
Alarm Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)

DEEP LEARNING FUNCTION

Face Capture	Detects up to 5 faces simultaneously.
	Supports detecting, capturing, grading, selecting of face in motion, and output the best face picture of the face
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting
	Support alarm triggering by specified target types (human and vehicle)

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GENERAL	
Power	12 VDC, max. 18 W, including max. 1.6 W for heater and 9 W for IR; PoE (802.3at)
Operating Condition	-30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)
Demist	Yes
Material	ADC12
Dimensions	Ø 164.5 mm × 290 mm
Weight	Approx. 2 kg

APPROVAL	
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2019); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 62368-1:2014+A11:2017); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (SANS IEC60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP66 (IEC 60529-2013), TVS 6000V lightning protection, surge protection and voltage transient protection

Accessories

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DS-1602ZJ- bracket with junction box

Wall mount bracket with junction box for indoor/outdoor use.

Item Number: 2310111130



Wall Mount for DS-2DE4X

Wall Mount Pendant

Item Number: 2310111129



LAS60-57CN-RJ45

60W High PoE midspan (PoE injector)
110-230VAC

Item Number: 2310111125

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