HIKVISION

AcuSense

Hikvision DS-2DE3C210IX-DE(C1)(T5) 2 MP 10× IR PTZ Network Camera adopts 1/2.8" progressive scan CMOS chip. With the 10× 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.

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.

- High quality imaging with 2 MP resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- 10x 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)

▪ **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)	220.0 m (721.8 ft)	87.3 m (286.4 ft)	44.0 m (144.4 ft)	22.0 m (72.2 ft)

▪ **Specification**

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.005 Lux @ (F1.3, AGC ON), B/W: 0.001 Lux @ (F1.3, AGC ON), 0 Lux with IR
Shutter Speed	1/1 to 1/30,000 s
Day & Night	IR cut filter
Zoom	10x optical, 16x digital
Slow Shutter	Yes
Lens	
Focal Length	2.8 to 28 mm
FOV	Horizontal FOV 108° to 19.8°, vertical FOV 56.4° to 11.5°
Focus	Auto, semi-auto, manual
Aperture	Max. F1.3
Zoom Speed	Approx. 6.0 s
Illuminator	
Supplement Light Type	IR
Supplement Light Range	IR Distance: up to 50 m
Smart Supplement Light	Yes
PTZ	
Movement Range (Pan)	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
Preset Freezing	Yes
Park Action	Preset, patrol scan
3D Positioning	Yes
PTZ Status Display	Yes
Scheduled Task	Preset, patrol scan, dome reboot, dome adjust, auxiliary output
Power-off Memory	Yes
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (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 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	G.711/G.722.1/G.726/MP2L2/PCM/AAC
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)/16-64 Kbps (AAC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
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	Open Network Video Interface (Version 19.12, 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, 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 1.2/1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), ANR
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web Browser	Chrome 57+, Firefox 52+, 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	≥ 55 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

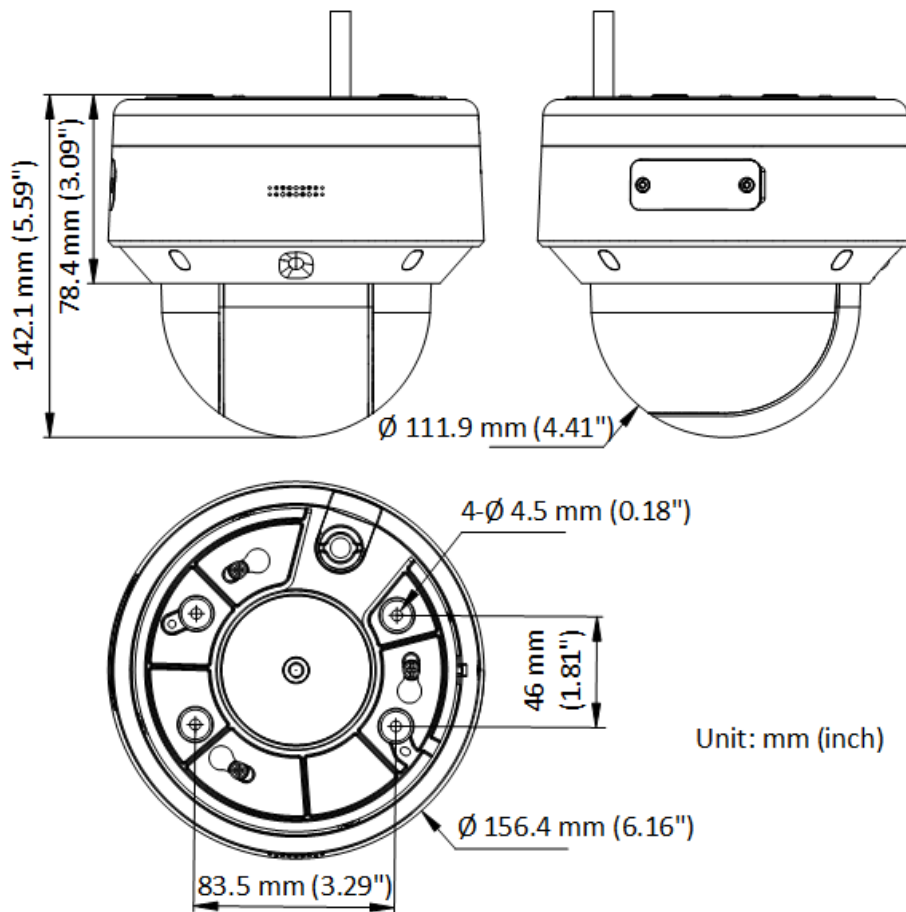| Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB
Built-in Microphone	1 built-in microphone
Built-in Speaker	1 built-in speaker
Audio	1 input (line in), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%; 1 output (line out), line level, output impedance: 600 Ω
Alarm	1 input, 1 output
Power Output	12 VDC, max. 0.7 W
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, trigger capture, audible warning, white light flashing, and PTZ actions (such as preset, patrol scan)
Deep Learning Function	
Face Capture	Detects up to 30 faces simultaneously. Supports detecting, capturing, grading, selecting of face in motion, and outputs 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)
General	
Power	12 VDC, Max. 24 W; PoE (802.3at)
Dimension	Ø 156.4 mm × 142.1 mm (Ø 6.16" × 5.59")
Weight	Approx. 1.90 kg (4.19 lb.)
Material	Metal
Operating Condition	-30 °C to 65 °C (-22 °F to 149 °F). Humidity 90% or less (non-condensing)
General Function	Mirror, password protection
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)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP66 (IEC 60529-2013)

▪ Available Model

DS-2DE3C210IX-DE(C1)(T5)

▪ 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-1273ZJ-158	DS-1271ZJ-140
Wall Mount	Pendant Mount

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Distributed by

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