DS-2SE3C204MWG1H-E/12

TandemVu 2MP+2MP 4X AcuSense Smart Hybrid Light POE PTZ Network Camera

Powered by DarkFighter



Hikvision DS-2SE3C204MWG-E/12 2 MP 4 × IR Network Speed Dome adopts 1/2.8" 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, roads, railways, airports, squares, parks, scenic spots, and venues, etc.

Hikvision has been dedicated to develop products with security since established.

Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security protection capability and protect your devices as well as your data from malicious cyber attacks.

- Captures a large area and great details at the same time
- High quality imaging with 2 MP resolution
- Excellent low-light performance with powered-by-DarkFighter and AI-ISP technology
- Secures an expansive area with 4× optical zoom
- Supports WDR, HLC, BLC, 3D DNR, defog, regional exposure, regional focus
- Supports 12V DC & PoE+
- Support Human and Vehicle Detection

▪ Specification

Camera	
Image Sensor	[Bullet channel] 1/3" Progressive Scan CMOS, [PTZ channel] 1/3" Progressive Scan CMOS
Min. Illumination	[Bullet channel] Color: 0.005 Lux @ (F2.0, AGC ON), B/W: 0.01 Lux @ (F2.0, AGC ON), 0 Lux with IR, [PTZ channel] Color: 0.005 Lux @ (F1.65, AGC ON), B/W: 0.005 Lux @ (F1.65, AGC ON), 0 lux with IR
Shutter Speed	1 s to 1/30,000 s
Slow Shutter	Yes
Zoom	4 × optical
Day & Night	ICR
Max. Resolution	[Bullet channel] 1920 × 1080, [PTZ channel] 1920 × 1080
Lens	
Focus	auto,manual,semi-auto
Focal Length	[Bullet channel]: 2.8 mm; [PTZ channel]: 2.8 to 12 mm, 4 × optical
Zoom Speed	[PTZ channel]: approx. 3.3 s
FOV	[Bullet channel] horizontal field of view: 98.2°, vertical field of view: 54.1°, diagonal field of view: 114.6°, [PTZ channel] horizontal field of view: 93.5° to 29.1°, vertical field of view: 49.2° to 16.4°, diagonal field of view: 111.9° to 33.4°
Aperture	[Bullet channel] F1.6, [PTZ channel] F1.65 to F3.0
Illuminator	
Supplement Light Type	[Bullet channel] IR and White Light, [PTZ channel] IR and White Light
Smart Supplement Light	Yes
Supplement Light Range	[Bullet channel]: IR Distance: up to 30 m;White Light Distance: 30 m [PTZ channel]: IR Distance: up to 40 m;White Light Distance: 30 m
PTZ	
Movement Range (Pan)	0° to 350°
Movement Range (Tilt)	[Bullet channel] 7° to 17° (manually adjust), [PTZ channel] -5° to 90°
Pan Speed	Pan speed: configurable from 1° to 35°/s, preset speed: 35°/s
Tilt Speed	Tilt speed: configurable from 1° to 30°/s, preset speed 30°/s
Proportional Pan	Yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Power-off Memory	Yes
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

Video	
Third Stream	[Bullet channel] 50 Hz: 25 fps (1920 × 1080 ,1280 × 960 ,1280 × 720 ,704 × 576 ,640 × 480 ,352 × 288) 60 Hz: 10 fps (1920 × 1080 ,1280 × 960 ,1280 × 720 ,704 × 480 ,640 × 480 ,352 × 240) [PTZ channel] 50 Hz: 25 fps (1920 × 1080 ,1280 × 960 ,1280 × 720 ,704 × 576 ,640 × 480 ,352 × 288) 60 Hz: 10 fps (1920 × 1080 ,1280 × 960 ,1280 × 720 ,704 × 480 ,640 × 480 ,352 × 240)
Region of Interest (ROI)	1 fixed regions for each stream
Main Stream	[Bullet channel] 50 Hz: 25 fps (1920 × 1080 , 1280 × 960 , 1280 × 720) 60 Hz: 30 fps (1920 × 1080 , 1280 × 960 , 1280 × 720) [PTZ channel] 50 Hz: 25 fps (1920 × 1080 , 1280 × 960 , 1280 × 720) 60 Hz: 30 fps (1920 × 1080 , 1280 × 960 , 1280 × 720)
Sub-Stream	[Bullet channel] 50 Hz: 25 fps (704 × 576 , 640 × 480 , 352 × 288) 60 Hz: 30 fps (704 × 480 , 640 × 480 , 352 × 240) [PTZ channel] 50 Hz: 25 fps (704 × 576 , 640 × 480 , 352 × 288) 60 Hz: 30 fps (704 × 480 , 640 × 480 , 352 × 240)
Video Compression	H.265,H.264,MJPEG
Video Bit Rate	32 kbps to 16384 kbps
H.264 Type	main profile,baseline profile,high profile
H.265 Type	main profile
Scalable Video Coding (SVC)	Yes
Audio	
Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,AAC,MP3
Audio Bit Rate	64 Kbps(G.711ulaw/G.711alaw)/8~160 Kbps(MP3)/32~160 Kbps(MP2L2)/16~64 Kbps(AAC-LC)/16 Kbps(G.722.1)/16 Kbps(G.726)
Audio Sampling Rate	16 kHz/8 kHz
Environment Noise Filtering	Yes
Network	
API	ONVIF (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
Network Storage	NAS (NFS, SMB/CIFS),auto network replenishment (ANR)
Protocols	TCP/IP, ICMP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, UDP, SSL/TLS, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
User/Host	32
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,WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS,control timeout settings,security audit log

Client	iVMS-4200,Hik-Connect
Web Browser	Chrome80+, Firefox80+, Safari13+, Edge89
Image	
Image Settings	contrast,gain,saturation,sharpness,brightness,white balance,adjustable by client software or web browser
Wide Dynamic Range (WDR)	Digital WDR
SNR	≥ 52 dB
Defog	Digital defog
Day/Night Switch	day, night, auto, scheduled-switch
Image Enhancement	BLC,HLC,3D DNR
Privacy Mask	[Bullet channel] 8 programmable polygon privacy masks, [PTZ channel] 24 programmable polygon privacy masks
Regional Focus	[Bullet channel] No, [PTZ channel] Yes
Regional Exposure	[Bullet channel] No, [PTZ channel] Yes
Image Parameters Switch	Yes
Interface	
Built-in Microphone	1 built-in microphone
Built-in Speaker	1 built-in speaker
Ethernet Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 512 GB
Reset	Yes
Event	
Basic Event	exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error),Motion detection,video tampering alarm,audio exception detection
Smart Event	Line crossing detection,intrusion detection,region entrance detection,region exiting detection
Linkage	Upload to FTP/NAS/memory card,send email,trigger recording,white light flashing,audible warning,notify surveillance center
Smart Linkage	Yes
Deep Learning Function	
Face Capture	Detects up to 5 faces simultaneously, Uploads face with background and closed-up face pictures
General	
General Function	mirror,password protection,watermark,IP address filter
Power	12 VDC, max.19.5 W, PoE+
Operating Condition	-30 °C to 50 °C (-22 °F to 122 °F). Humidity 95% or less (non-condensing)
Demist	Demist by heating the glass
Material	PC+10%GF,ADC12
Dimension	296.6 mm × 241.3 mm × 156 mm (11.68" × 9.50" × 6.14")
Weight	Approx. 1.5 kg (3.31 lb.)
Approval	
Protection	IP66 (IEC 60529-2013)

▪ DORI

DORI	Detect	Observe	Recognize	Identify
Panoramic Channel	42.2 m (138.5 ft)	16.7 m (55.0 ft)	8.4 m (27.7 ft)	4.2 m (13.8 ft)

PTZ (Wide)	38.6 m (126.7 ft)	15.3 m (50.3 ft)	7.7 m (25.3 ft)	3.9 m (12.7 ft)
PTZ (Tele)	165.5 m (543.0 ft)	65.7 m (215.5 ft)	33.1 m (108.6 ft)	16.6 m (54.3 ft)

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.

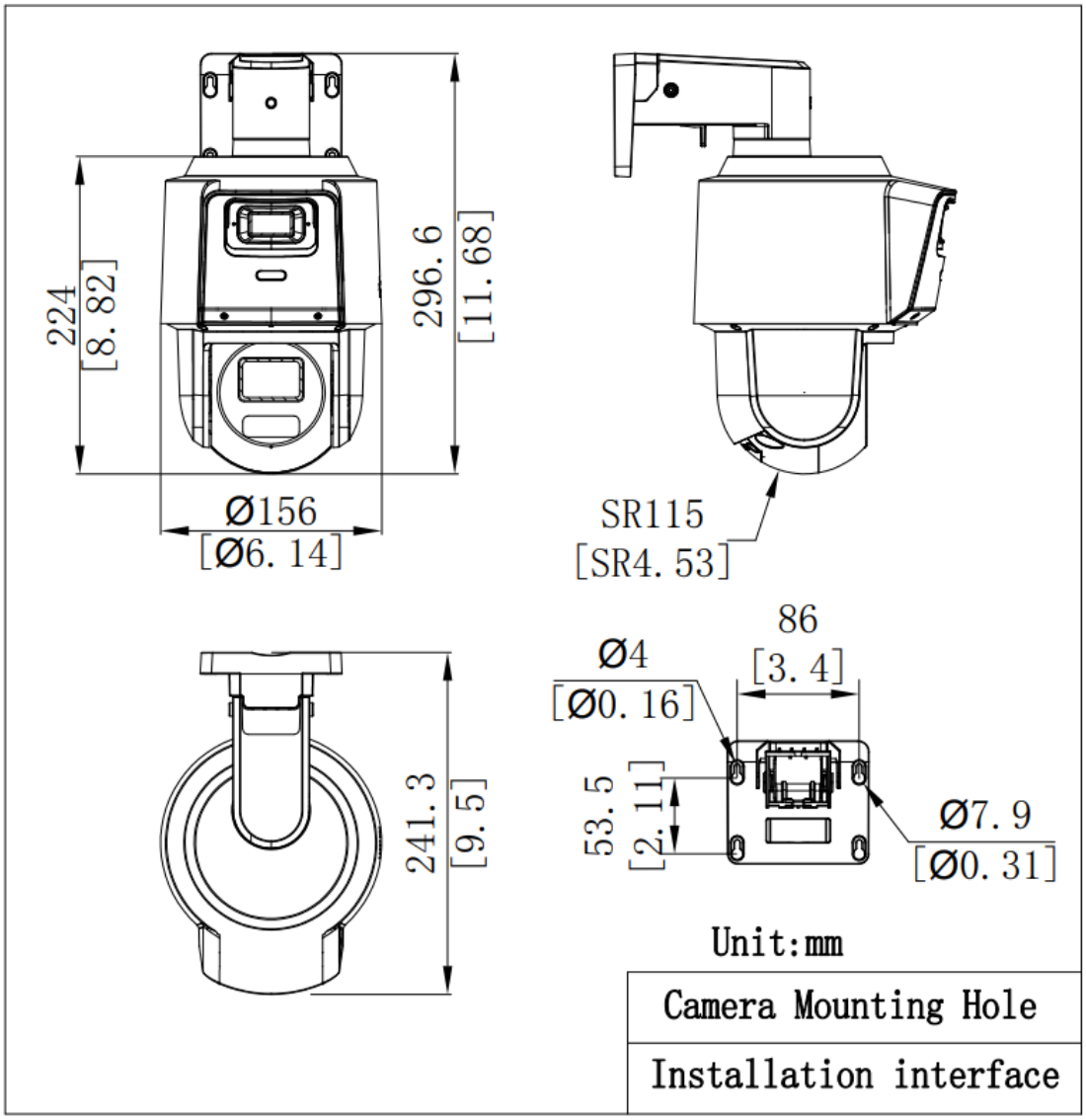
▪ Typical Application

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


224
[8.82]
296.6
[11.68]
Ø156
[Ø6.14]
SR115
[SR4.53]
241.3
[9.5]
Ø4
[Ø0.16]
86
[3.4]
53.5
[2.11]
Ø7.9
[Ø0.31]
Unit:mm
Camera Mounting Hole
Installation interface

See Far, Go Further

www.hikvision.com
support@hikvision.com

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