

DS-2ST5C432MWG-EW/26(PA) Polymer 4MP 32x Anti-corrosion TandemVu



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 defense capability and protect your devices as well as your data from malicious cyber attacks.

- Supports deep learning functions: Acusense(human&vehicle classification), face capture, license plate recognition
- High quality imaging with 6 MP 180° stitched image for bullet channel, 4MP for PTZ channel
- 24/7 colorful imaging and excellent low-light performance with DarkFighter technology
- Panoramic channel tilt adjustable from 12° to 24°
- Secures an expansive area with 32 × optical zoom and 16 × digital zoom
- Expansive night view with up to 30 m white light distance and 150 m IR distance
- Built-in Gyroscope for better EIS performance in PTZ channel
- Audio visual alarm: The white flashing light and audible warning can be triggered by certain events
- Built-in wall bracket as default, order relevant bracket if you need other installation methods

▪ Specification

| Camera | |
|------------------------|--|
| Image Sensor | [Bullet channel] 1/2.5" Progressive Scan CMOS, [PTZ channel] 1/2.5" Progressive Scan CMOS |
| Shutter Speed | 1 s to 1/30000 s |
| Min. Illumination | [Bullet channel] Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light, [PTZ channel] Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 lux with light |
| Slow Shutter | Yes |
| Day & Night | [Panoramic channel] Color, [PTZ channel] IR cut filter |
| Zoom | [PTZ channel] 32 x optical, 16 x digital |
| Max. Resolution | [Panoramic channel] 3680 x 1656, [PTZ channel] 2688 x 1520 |
| Lens | |
| FOV | [Panoramic channel] horizontal field of view: 190° ± 5°, vertical field of view: 80° ± 5°, [PTZ channel] horizontal field of view: 60.7° to 2.3°, vertical field of view: 35.9° to 1.3°, diagonal field of view: 68.4° to 2.7° |
| Focus | Auto, semi-auto, manual |
| Zoom Speed | [Panoramic channel] No, [PTZ channel] approx. 3.6 s |
| Focal Length | [Panoramic channel] 2.8 mm, [PTZ channel] 5.5 to 176 mm |
| Aperture | [Panoramic channel] F1.0, [PTZ channel] F1.6 |
| Illuminator | |
| Supplement Light Type | Hybrid (IR + White Light) |
| Supplement Light Range | [Panoramic channel] White Light Distance: up to 30 m, [PTZ channel] IR Distance: up to 150 m |
| Smart Supplement Light | Yes |
| PTZ | |
| Movement Range (Pan) | 360° endless |
| Movement Range (Tilt) | [Panoramic channel] 12° to 24°, [PTZ channel] -10° to 90° |
| Pan Speed | [PTZ channel] pan speed: configurable from 0.1° to 80°/s, preset speed: 80°/s |
| Tilt Speed | [PTZ channel] tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s, [Panoramic channel] tilt speed configurable |
| Proportional Pan | [Panoramic channel] No, [PTZ channel] Yes |
| Presets | 300 |
| Patrol Scan | 8 patrols, up to 32 presets for each patrol |
| Pattern Scan | 4 pattern scans, record time over 10 minutes for each scan |
| 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 |
| Preset Freezing | Yes |
| Scheduled Task | Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output |

| Video | |
|-----------------------------|--|
| Main Stream | [Panoramic channel] 50 Hz: 25 fps (3632 × 1632, 3680 × 1656) 60 Hz: 30 fps (3632 × 1632, 3680 × 1656) [PTZ channel] 50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | [PTZ channel] 50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288), 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240), [Panoramic channel] 50 Hz: 25 fps (1200 × 536, 960 × 432), 60 Hz: 30 fps (1200 × 536, 960 × 432) |
| 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-LC, MP3 |
| Audio Bit Rate | 32 to 192 Kbps (MP2L2), 16 to 64 Kbps (AAC-LC), 16 Kbps (G.722.1), 64 Kbps (G.711), 16 Kbps (G.726) |
| Audio Sampling Rate | 8 kHz, 16 kHz, 32 kHz, 48 kHz |
| Environment Noise Filtering | Yes |
| Network | |
| API | ONVIF (Profile S, Profile G, Profile T, Profile M), ISUP, ISAPI, SDK, OTAP |
| Network Storage | NAS (NFS, SMB/CIFS), auto network replenishment (ANR) |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, RTCP, RTP, CP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, FTP |
| 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, IP address filter, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), host authentication (MAC address), watermark, TPM 2.0 (FIPS 140-2 level 2) |
| Client | iVMS-4200, HikCentral Pro, Hik-Connect |
| Web Browser | Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+ |
| Image | |
| Wide Dynamic Range (WDR) | [Bullet channel] 120 dB, [PTZ channel] 140 dB |
| Day/Night Switch | Day, night, auto, schedule |
| Image Enhancement | HLC, 3D DNR |

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|-------------------------------|--|
| Privacy Mask | [Panoramic channel] 8 programmable polygon privacy masks, [PTZ channel] 24 programmable polygon privacy masks; mask color or mosaic configurable |
| Defog | Digital defog |
| Image Stabilization | EIS (Built-in gyroscope to improve EIS performance) |
| Regional Exposure | Yes |
| Regional Focus | [Panoramic channel] No, [PTZ channel] Yes |
| Image Settings | Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser |
| Image Parameters Switch | Yes |
| SNR | ≥ 52 dB |
| Supplement Detection | |
| Satellite Positioning | No |
| Gyroscope | Yes |
| Compass | No |
| Interface | |
| On-board Storage | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512GB |
| Built-in Microphone | 1 built-in microphone |
| Built-in Speaker | 1 built-in speaker |
| Ethernet Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| Alarm | 2 input(s), 1 output(s) |
| Audio | 1 input (linein), max. input amplitude: 2-2.4 vpp, input impedance: 1 KΩ ± 10%, 1 output (lineout), linelevel, output impedance: 600 Ω |
| RS-485 | 1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) |
| Reset | Yes |
| Event | |
| Basic Event | exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), audio exception detection, vandal-proof alarm, alarm input, [PTZ channel] motion detection, video tampering alarm |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection, loitering detection, people gathering detection, fast moving detection, parking detection |
| Linkage | [Panoramic channel] Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, white light flashing, [PTZ channel] 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 | |
| Multi-Target-Type Detection | [Panoramic channel]: no, [PTZ channel] Supports simultaneous detection and capture of human body, face and vehicle |

| | |
|------------------------------------|---|
| Road Traffic and Vehicle Detection | <p>[PTZ channel]: Smart functions: Support license plate recognition of vehicles and motorcycles (only in checkpoint scenario) Support vehicle attribute detection, including vehicle type, color, brand, driving direction, etc. Support vehicle and non-vehicle counting Blocklist and allowlist: up to 10,000 records LPR Countries/Regions: 4 areas (Europe, Middle East, Asia-Pacific, Africa) and more than 124 countries/regions Accuracy (Under recommended installation and lighting conditions): License plate recognition rate ≥98% Capture rate ≥99% Driving direction accuracy rate ≥98% Vehicle Capture Speed: Front installation in checkpoint scenario: up to 120 km/h Side installation: up to 80 km/h Capture Mode: License Plate and Vehicle Mode, Vehicle Priority Mode [Panoramic channel]: no</p> |
| People Density | [PTZ channel]: no, [Panoramic channel]: yes, Supports detecting the level of people density in the configured area |
| Perimeter Protection | Line crossing detection, region entrance detection, intrusion detection, region exiting detection |
| Linkage and Tracking | |
| Smart Tracking | [PTZ channel] Manual tracking, auto-tracking 3.0 |
| Smart Linkage | tracking takeover, linked tracking capture |
| General | |
| Power | 12VDC± 15%, max. 60 W (Max. 40 W, including max. 7.2 W for light and max. 16 W for heater) PoE 802.3bt, type3, class6, max. 60W (Max. 40 W, including max. 7.2 W for light and max. 16 W for heater) |
| Material | PA*+50% glass fiber |
| Wiper | Yes |
| General Function | mirror, password protection |
| Operating Condition | -30 °C to 65 °C (-22 °F to 149 °F). Humidity 95% or less (non-condensing), For speaker: -30 °C to 55°C (-22°F to 131°F) |
| Demist | Yes |
| Dimension | Ø218 mm × 389 mm (Ø8.58" × 15.31") |
| Weight | Approx. 5.4 kg (11.9 lb.) |
| Language | 33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian |
| Approval | |
| EMC | CE-EMC (EN 55032:2015, EN 61000-3-2:2019, EN 61000-3-3: 2013 + A1: 2019, EN 50130-4:2011 + A1: 2014), RCM (AS/NZS CISPR 32: 2015), IC (ICES-003: Issue 7) |

| | |
|---------------------------|---|
| Safety | CB (IEC 62368-1: 2014 + A11),CE-LVD (EN 62368-1: 2014/A11: 2017),BIS (IS 13252 (Part 1): 2010/IEC 60950-1:2005) |
| Environment | CE-RoHS (2011/65/EU),WEEE (2012/19/EU),Reach (Regulation (EC) No 1907/2006) |
| Protection | IP67 (IEC 60529-2013),TVS 6000 V lightning protection, surge protection and voltage transient protection |
| Anti-Corrosion Protection | NEMA 4X (NEMA 250-2018),C5M |

▪ DORI

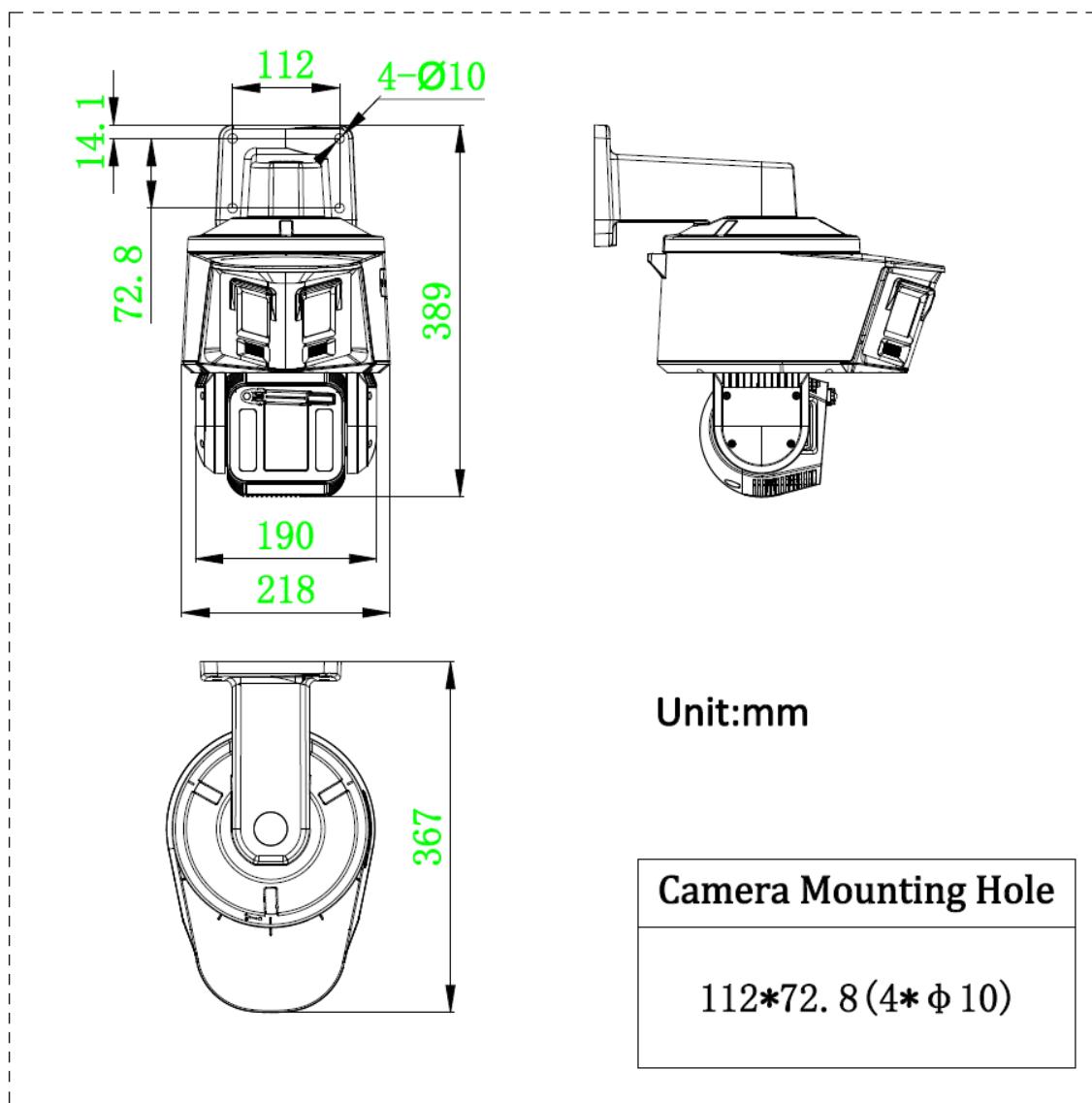
The DORI (detect, observe, recognize, identify) distance gives the general idea of the camera ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specification and the criteria given by EN 6267 6-4: 2015.

| DORI | Detect | Observe | Recognize | Identify |
|---------------------------------|----------------------|------------------------|--------------------|-----------------------|
| Definition | 25 px/m | 63 px/m | 125 px/m | 250 px/m |
| [Bullet channel] Distance | 44.7 m (146.65 ft.) | 17.7 m (58 ft.) | 8.9 m (29.2 ft.) | 4.5 m (14.76 ft.) |
| [PTZ channel] Distance(Tele) | 3523.5 m (11560 ft.) | 1398.2 m (4587.27 ft.) | 704.7 m (2312 ft.) | 352.4 m (1156.17 ft.) |

▪ Available Model

DS-2ST5C432MWG-EW/26(PA)(F0)

▪ Dimension



- **Accessory**

- **Optional**



See Far, Go Further



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