



WHEN SAFETY AND PERFORMANCE MATTERS

AVEX CCTV's ASPD943 Weatherproof Stainless Steel Network Dome PTZ CCTV Camera provides safe and reliable surveillance in both indoor and outdoor harsh weather conditions.

FEATURES

- Stainless Steel 316L
- 2 MP HD Color Day/Night Camera with 32X zoom
- Up to 1920 x 1080 resolution
- 300 Presets
- 24VAC & Hi-PoE
- Pan Rotation: 360° Continuous
- Tilt Rotation: -5°~ + 90° (auto-flip)
- Pan Preset Speed: 300°/s
- Tilt Preset Speed: 200°/s
- IP68 & NEMA 6 & 6P Standards
- Temperature rating: -25°C ~ +60°C
- Supplied with wall mount bracket
- Designed for ease of installation and minimal maintenance

APPLICATIONS

- Offshore Industries
- Marine Industries
- Oil & Gas Industries
- Industrial Environments
- Manufacturing Industries
- Construction Industries

TECHNICAL DATA

| CAMERA | |
|-------------------|--|
| Image Sensor | 1/2.8" progressive scan CMOS |
| Min. Illumination | Color: 0.005 Lux @ (F1.6, AGC ON) B/W: 0.001Lux @ (F1.6, AGC ON) |
| White Balance | Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp |
| Gain | Auto/Manual |
| Shutter Time | 50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s |
| Day & Night | IR Cut Filter |
| Digital Zoom | 16x |
| Privacy Mask | 24 programmable privacy masks |
| Focus Mode | Auto/Semi-automatic/Manual |
| WDR | 120 dB WDR |
| Focal Length | 4.8 mm to 153 mm, 32x optical zoom |
| Zoom Speed | Approx. 5.6 s (optical lens, wide-tele) |
| Field of View | Horizontal field of view: 55.6° to 2.04° (Wide-Tele) Vertical field of view: 32.4° to 1.14° (Wide-Tele) Diagonal field of view: 63° to 2.34° (Wide-Tele) |
| Working Distance | 10 mm to 1500 mm (wide-tele) |
| Aperture Range | F1.2 to F4.4 |

PTZ

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|-----------------------|--|
| Construction | 316L Stainless Steel |
| Finishing | Polished |
| Ingress Protection | IP68 |
| Voltage | 24 VAC and Hi-PoE |
| Power | Max.: 22 W |
| Movement Range (Pan) | 360° endless |
| Pan Speed | Configurable, from 0.1°/s to 250°/s, Preset speed: 300°/s |
| Movement Range (Tilt) | From -5° to 90° (auto-flip) |
| Tilt Speed | Configurable, from 0.1°/s to 150°/s Preset Speed: 200°/s |
| Proportional Zoom | Support |
| 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 | Support |
| Park Action | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan /Panorama Scan |
| 3D Positioning | Support |
| PTZ Position Display | Support |
| Preset Freezing | Support |
| Scheduled Task | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output |

COMPRESSION STANDARD

| | |
|-------------------|--|
| 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 |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.264+ | Support |
| H.265 Type | Baseline Profile/Main Profile/High Profile |
| H.265+ | Support |
| Video Bitrate | 32 Kbps to 16384 Kbps |
| Audio Compression | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM |
| Audio Bitrate | G.711alaw/G.711ulaw: 64 Kbps G.722.1/G.726: 16 Kbps MP212/PCM: 32 Kbps/64 Kbps/128 Kbps |
| SVC | Support |

SMART FEATURES

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|---------------|---|
| Basic Event | Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception |
| Smart Event | Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection |
| Smart Record | ANR (Automatic Network Replenishment), Dual-VCA |
| ROI | Main stream, sub-stream, and third stream respectively support four fixed areas. |
| Auto-Tracking | Support |

IMAGE

| | |
|-------------------|--|
| Max. Resolution | 1920 × 1080 |
| Main Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) 60fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240) |
| Image Enhancement | HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus |

NETWORK

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|------------------------|---|
| Network Storage | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/ CIFS), ANR |
| Alarm Linkage | Alarm actions, such as Notify Surveillance Center, Upload to FTP, Send Email, Trigger Recording, Recording Linkage, and Alarm Input, etc. |
| 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 |
| API | Open-ended, support ONVIF, ISAPI, and CGI, support HIKVISION SDK and Third-Party Management Platform |
| Simultaneous Live View | Up to 20 channels |
| User/Host | Up to 32 users 3 levels: Administrator, Operator and User |
| Security Measures | User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering |
| Client | iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect |
| Web Browser | IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51 |

INTERFACE

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|-------------------|--|
| Alarm Interface | 2-ch alarm input and 1-ch alarm output |
| Audio Interface | 1-ch audio input and 1-ch audio output |
| Network Interface | 1 RJ45 10 M/100 M Ethernet, Hi-PoE |

ENVIRONMENT

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|--------------|----------------|
| Air Pressure | 86 ~ 106KPa |
| Temperature | -25°C to +60°C |
| Humidity | ≤95%RH (+25°C) |

WEIGHT & DIMENSION

| | |
|---------------------------|--------------|
| Net weight (with bracket) | 13kg |
| Dimension | Φ213 × 570mm |

DIMENSIONS
