

PD900 (EOL)

3 MP High-speed PTZ dome camera 30x zoom

DESCRIPTION

*** This product is Obsolete as of July 1, 2023; successor model is PD950DC ***

The PD900 is a 3MP IP outdoor PTZ camera with 30x optical zoom lens. Utilizing the latest Technology, PD900 efficiently ensures the low bandwidth by real-time H.264/H.265 streams. Its IP66 waterproof and IK10 vandal resistant housing make it suitable for outdoor usage.

FEATURES

1/2.8 inch Progressive scan CMOS imager

Quad stream H.264, H.265 and MJPEG

3MP @ 30 fps HDR

30x optical zoom, 10x digital zoom

120 dB WDR (HDR)

Support EIS

PT servo feedback

IEEE 802.1x, TACACS+ user authentication

NEMA TS-2

IP66, IK10 vandal proof

ONVIF Profile S, G, and T



Description

Multi-stream high definition

The integrated camera has a multi-stream capability for simultaneous streaming of H.265, H.264 or MJPEG. Up to 4 combinations of resolutions and frame rates can be configured to satisfy different live viewing and recording scenarios.

Open standards

Multiple options are available to easily integrate the PD900 to a video management system. In support of open standards, the PD900 is compliant with a range of VMS's, it supports ONVIF (Profiles S, G, and T) and the Siquira API.

PT Servo feedback

The PD900 pan and tilt motors are controlled by servo feedback, keeping track of the PTZ position at all times. No more drifting PTZ head due to shocks, vibration or vandalism. When the head is forced from its position, it will return immediately.

Power source choices

The PD900 can be powered with 24Vdc, 24 Vac or over the network with PoE+ sources.

Camera

| | |
|--------------------------|---------------------------------------|
| Image sensor | 1/2.8" Progressive scan CMOS |
| Effective pixels | 2065x1553 |
| Min. illumination | 0.04 lux Color, 0.002 lux B/W (F/1.6) |
| Shutter speed | 1 to 1/10,000 sec |
| Day/Night | IR-cut filter |
| Lens | 30x zoom |
| Iris | P-iris and auto-iris |
| Focal length | 4.3mm to 129 mm (F/1.6) |
| Horizontal field of view | 62° (W) to 2.1° (T) |
| Lens material | High-grade optical glass |

PTZ

| | |
|--------------------------|---|
| Pan range | 360° Continuous rotation |
| Tilt range | -20° to +90° |
| Number of presets | 256 |
| Preset speed | 300°/s |
| Manual speed | 0.1°/s to 90°/s Pan; 0.1°/s to 55°/s Tilt |
| Preset accuracy | 0.16° |
| Features | Speed by zoom |
| Sequence Scan | 8 |
| Cruise Scan | 8 |
| Autopan | 4 |
| Body material | Aluminum alloy, ABS |
| Internal demister/heater | Standard |

Image control

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|--------------------------|--|
| Dynamic range (WDR) | 120 dB, dual exposure HDR |
| White balance | Auto, ATW, Manual, One push |
| Image settings | Contrast Brightness Saturation Hue Sharpness |
| SNR | Better than 54dB |
| Noise reduction | 3DNR, 2DNR, Color Low, mid, high (w/ Motion Compensation) |
| Image Stabilization | Yes (Digital) |
| Digital zoom | 10x |
| Text and picture overlay | Compass, date & time, 4x line (40 characters each), preset title, image, image transparency |
| Privacy masks | 16 |
| Image rotation | 90°, 180°, 270° rotation |

Video

| | |
|---------------------------------|--|
| Video compression | H.265, H.264 (main or high profile); MJPEG |
| Number of compression instances | Any combination of H.265 or H.264 streams with possibly one MJPEG stream. |
| Supported resolutions | 2065x1553 (3MP); 1920x1080; 1280x1024; 1280x720; 1024x768; 800x600; |

Specs



Video

| | | | | |
|---------------------------------|--|-----------|-----------|-----------|
| | 720x576(D1); 640x480 (VGA); 352x288 (CIF) | | | |
| Max streaming (H264/H265/MJPEG) | | | | |
| 60fps | 2048x1536 | 1280x720 | | |
| 60fps | 2048x1536 | 800x600 | 720x480 | 352x240 |
| 30fps | 2048x1536 | 1920x1080 | 1280x1024 | 1280x1024 |
| 30fps (dual shutter WDR) | 2048x1536 | 1920x1080 | 1280x1024 | 720x480 |
| Compression bit rate control | Constant bit rate (CBR), variable bit rate (VBR), Low bit rate (LBR) | | | |
| Number of video output streams | Up to 20 (RTSP) | | | |
| Total output data rate (max) | 60 Mb/s | | | |
| Video frame rate | 1 to 60 fps, 1 to 50 fps | | | |
| Analog video output | PAL/NTSC (BNC) | | | |

Audio

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|-------------------|-------------------------|
| Audio compression | G.711, G.726, AAC, LPCM |
| Audio Input | Line in |
| Audio Output | Line out |

Data

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|----------------|------------------|
| Serial port | RS-485, 2-wire |
| Protocols | Pelco D, Pelco P |
| Connector type | Terminal block |

Analytics

| | |
|---------------------|--|
| Loitering Detection | Enter and loiter in a user-defined region |
| Intrusion Detection | Enter in a user-defined region |
| Wrong Direction | Cross a user-defined unidirectional or bidirectional |
| Event detections | Motion Detection, Audio detection, Abandoned Object, Object Removal, Camera Sabotage |
| Event Triggers | External Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger |
| Autotracking | Support |

Network

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|-------------------|--|
| Local storage | SDHC/SDXC up to 512 GB; |
| Network storage | NAS (Support NFS, SMB/CIFS) |
| Protocols | IPv4/IPv6 (ICMP), HTTP, HTTPS (TLS1.2), 802.1x, Qos, FTP, SMTP(SSL), UPnP, SNMP(v1/v2/v3/Traps), DNS, DDNS, NTP, RTSP, RTCP, RTP/UDP, TCP/IP, IGMP(v2/v3), DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS+ |
| Security | User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP), HTTPS encryption (TLS1.2); IEEE 802.1x port-based network access control, IP filtering |
| Standard | ONVIF (Profile S, Profile G, Profile T), Siqua API |
| Web browser | IE 9, 10 and 11; limited support for Edge, Chrome, Firefox |
| Network interface | 10/100 Mb (RJ45) |

Network

Environmental

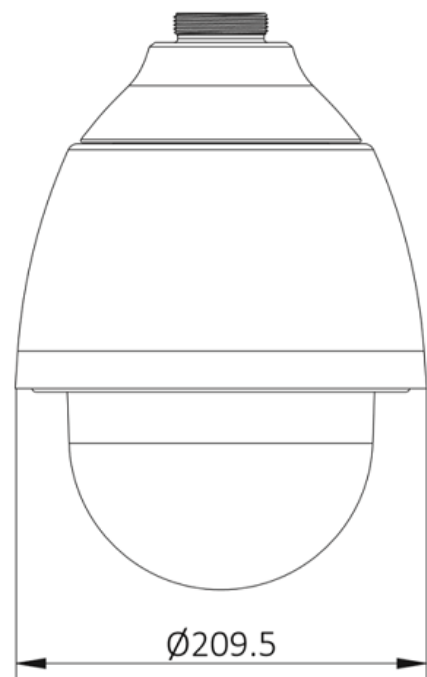
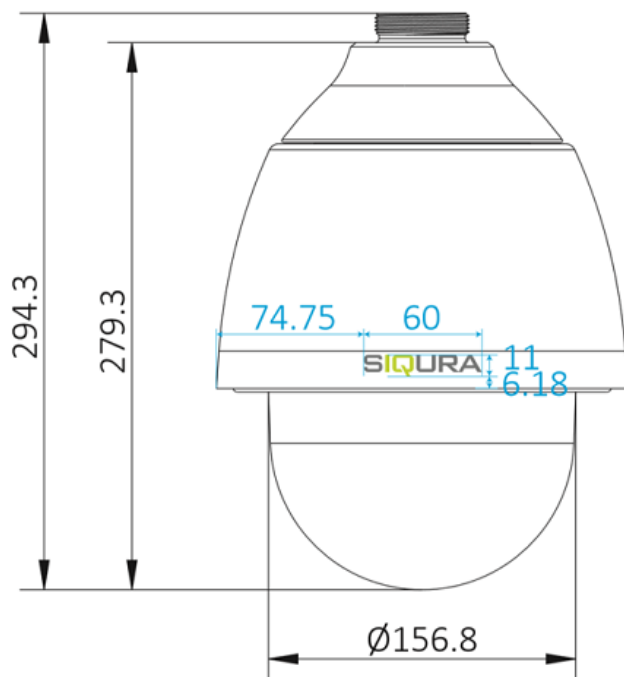
| | |
|---------------------------------|---|
| Ingress protection level | IP66 |
| Impact rating | IK10 |
| Overvoltage protection | Lightning Protection, Surge Protection and Voltage Transient Protection |
| Ambient temperature (NEMA TS-2) | -40 °C to +74 °C (-40 °F to +165 °F) |
| Relative humidity | 5 to 100% |
| MTBF (@40°C) | >130,000 h |
| Power supply | 24Vdc, 24 Vac, 802.3at, class 4 |
| Power consumption | Max. 25.4 W |

Mechanical

| | |
|------------------|--------------------------------------|
| Interfaces | |
| - Ethernet | RJ45 |
| - Alarm in / out | 4x / 2x Terminal Block |
| - 24Vdc, 24Vac | Terminal Block |
| - Audio in / out | terminal Block |
| - Video out | BNC Connector |
| - RS485 | Terminal Block |
| Dimensions | diameter 210 x 279 mm with Sunshield |
| Weight | 2.9 kg |
| Color | RAL 9003 (signal white) |

Ordering information

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|-------|---|
| PD900 | 3 MP High-speed PTZ dome camera 30x zoom |
| WM27 | Wall mount, for PD9x0 |
| CM27 | Ceiling mount 25cm for PD9x0 |
| CM27A | Extension 25cm for CM27 |
| WM12 | Wall mount for PD110x and PD9x0 PTZ dome series |
| WM12B | Wall mount incl. junction box for PD110x and PD9x0 series |
| WM16 | Gooseneck bracket for PD110x and PD9x0 PTZ dome series |
| WM17 | Corner mount for PD110x and PD9x0 PTZ dome series |
| WM17B | Corner mount incl. junction box for PD110x and PD9x0 series |
| PM06 | Pole mount, for PD9x0-series, 1100-series |
| PM07 | Pole mount for PD110x and PD9x0 PTZ dome series |
| PM07B | Pole mount incl. junction box for PD110x and PD9x0 series |
| PM08 | Parapet wall mount for PD110x and PD9x0 PTZ dome series |
| PTM02 | Bracket adapter for PD9x0 series |
| CM11 | Ceiling mount for PD110x and PD9x0 PTZ dome series |
| CM12 | Ceiling mount for PD110x and PD9x0 PTZ dome series, 50 cm |
| CM15 | Ceiling mount for PD110x and PD9x0 PTZ dome series, 25 cm |
| DC34 | Dome cover, transparent, vandal proof, for PD900, PD950DC |
| DC34S | Dome cover, smoked, vandal proof, for PD900, PD950DC |



RELATED



TKH Security WM27
Wall mount, for PD9x0



TKH Security PM01
Pole mount, for WM01A, WM27



TKH Security WM05
Corner mount, for WM01A, WM27



TKH Security JB27
Junction box, for WM01A, WM27



TKH Security CM27
Ceiling mount 25cm for PD9x0



TKH Security CM27A
Extension 25cm for CM27



TKH Security CTA01
Cable tail adapter for PD900, PD910, PD920, PD950DC, PD950NW



TKH Security DC34
Dome cover, transparent, for PD900 and PD950DC, 6.2"



TKH Security DC34S
Dome cover, smoked, for PD900 and PD950DC, 6.2"