1.0 Megapixel Day/Night 20x HD PTZ Pendant Dome Camera

Avigilon’s end-to-end surveillance solutions deliver image detail no other system can match. Avigilon Control Center software, featuring High-Definition Stream Management™ (HDSM™) technology combined with our broad range of megapixel cameras (from 1 MP to 29 MP) provide unprecedented clarity—while effectively managing storage and bandwidth requirements. Our components are scalable and can work together in an end-to-end system, or can be customized to create your own powerful and cost-effective solution. The innovative HD PTZ camera is just one way Avigilon can help provide the very best monitoring and protection.

The HD PTZ camera offers unsurpassed image quality with precise positioning and predictable high-speed tracking. Underpinned by the H3 platform, the HD PTZ camera takes advantage of enhanced High-Definition Stream Management™ technology which lowers bandwidth and storage requirements, and provides incredible low light performance. The camera features a 20x optical zoom with up to 12x digital zoom, and provides continuous 360° degree rotation at up to 450° per second. This indoor and outdoor mounted camera is targeted specifically at expansive areas with manned operations, such as large retail chains, airports, petrochemical, casinos and city surveillance.

*Mount sold separately (MNT-PEND-WALL)

**KEY FEATURES**

1.0 megapixel progressive scan CMOS sensor

Easily track targets with 360 degree endless rotation

Able to move at up to 450 degrees per second

4.7 - 94mm, F1.6 lens with 20x zoom

Provides smooth operation and captures fluid motion at 30 frames per second

0.4 lux (F1.6) minimum illumination in color mode and 0.04 lux (F1.6) minimum illumination in monochrome mode

H.264 and Motion JPEG compression

ONVIF compliant API

Hide sensitive areas with 3D privacy mask

Automatic exposure control and iris control

Automatic removable IR cut filter for IR sensitivity at night

Power over Ethernet, 24 VAC or 24 VDC power input

Supports broad environmental conditions for challenging outdoor installations

External microphone and speaker support for two-way audio

External I/O interface for connecting alarms and relays
### Specifications

**CAMERA**
- **Image Sensor**: WDR 1/2.8" progressive scan CMOS
- **Active Pixels**: 1280 (H) x 720 (V)
- **Imaging Area**: 4.8 mm (H) x 2.7 mm (V) (0.189” (H) x 0.106” (V))
- **Minimum Illumination**: 0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode
- **Dynamic Range**: 100dB
- **Lens**: 4.7-94 mm, 20x zoom, F1.6 and automatic focus
- **Angle of View**: 2.9° - 55.2°
- **Image Compression Method**: H.264 (MPEG-4 Part 10/AVC), Motion JPEG
- **Image Rate**: 30 (all resolutions)
- **Streaming**: Multi-stream H.264 and Motion JPEG
- **Resolution Scaling**: Down to 352 x 240
- **Motion Detection**: Selectable sensitivity and threshold
- **Electronic Shutter Control**: Automatic, Manual (1/6 to 1/8000 sec)
- **Iris Control**: Automatic, Manual
- **Day/Night Control**: Automatic, Manual
- **Flicker Control**: 50 Hz, 60 Hz
- **White Balance**: Automatic, Manual
- **Privacy Zones**: Up to 4 zones, 3D privacy mask supported
- **Presets**: 100 named presets
- **Tours**: 10 named guard tours
- **Audio Compression Method**: G.711 PCM 8 kHz
- **Audio Input**: Line input
- **Audio Output**: Line level
- **Video Output**: NTSC/PAL
- **External I/O Terminals**: 2 Alarm In, 2 Alarm Out

**NETWORK**
- **Network**: 100BASE-TX
- **Cabling Type**: CAT5
- **Connector**: RJ-45
- **API**: ONVIF compliant (www.onvif.org)
- **Security**: Password protection, HTTPS encryption, digest authentication, WS authentication, user access log.
- **Protocol**: IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTP, TCP/UDP, IGMP, DHCP, Zeroconf, ARP
- **Streaming Protocols**: RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP

**MECHANICAL**
- **Dimensions (ØxH)**: 226 mm x 299.77 mm (8.9” x 11.8”)
- **Weight**: 3.9 kg (8.6 lbs)
- **Dome Bubble**: Acrylic, clear
- **Body**: Aluminum
- **Housing**: Pendant mount
- **Finish**: Powder coat, cool gray 2
- **Tilt**: 186°, E-flip, 0.05 - 360°/sec
- **Pan**: 360°, endless, 0.05 - 450°/sec

**ELECTRICAL**
- **Power Source**: VDC: 24 V, PoE: IEEE 802.3at Class 4 PoE Plus compliant
- **Power Consumption**: 25 W with IEEE 802.3at Class 4 PoE Plus
- **Power Connector**: Waterproof 2-pin connector

**ENVIRONMENTAL**
- **Operating Temperature**: -30 °C to + 50 °C (-22 °F to 122 °F) with IEEE 802.3at Class 4 PoE Plus power
- **Storage Temperature**: -45 °C to + 50 °C (-50 °F to 122 °F) with external power
- **Humidity**: 20 - 80% Relative humidity (non-condensing)

**CERTIFICATIONS**
- **Safety**: UL 60950, CSA 60950, CB Scheme
- **Environment**: IK09 Impact Rating, Meets IP66 Weather Rating
- **Electromagnetic Emission**: FCC Part 15 Subpart B Class B, IC ICES-003 Class B
- **Electromagnetic Immunity**: EN 55024 Class B

**ORDERING INFORMATION**
- **1.0W-H3PTZ-DP20**: 1.0 Megapixel Day/Night 20x HD PTZ Pendant Dome Camera
- **MNT-PEND-WALL**: Indoor/Outdoor Pendant Mount Bracket
- **H3PTZ-DP-SMOKE**: Dome Camera Cover with Smoked Bubble

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