2.0 Megapixel Day/Night 20x HD PTZ In-Ceiling 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.

Avigilon's 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 to lower bandwidth and storage requirements, while providing 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. The unique design of the in-ceiling mount allows for simple installation in just seconds and makes it an ideal camera for indoor applications in retail, casino and commercial environments.
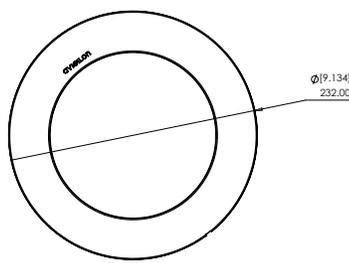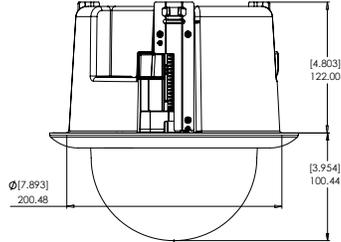
KEY FEATURES

2.0 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
External microphone and speaker support for two-way audio
External I/O interface for connecting alarms and relays
Plenum rated

Specifications

CAMERA

Image Sensor	WDR 1/2.8" progressive scan CMOS
Active Pixels	1920 (H) x 1080 (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, RTCP, RTP, TCP,UDP, IGMP, ICMP, DHCP, Zeroconf, ARP, LLDP
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP

MECHANICAL

Dimensions (ØxH)	232 mm x 222.44 mm; 9.134" x 8.757"
Weight	2.18 kg (4.85 lbs)
Dome Bubble	Acrylic, clear
Body	Plastic, plenum rated (UL 2043)
Housing	Recessed mount
Finish	Plastic, RAL 9003
Tilt	186°, E-flip, 0.05 - 360°/sec
Pan	360°, endless, 0.05 - 450°/sec

ELECTRICAL

Power Consumption	20 W
Power Source	VAC: 24 V +/- 10% PoE: IEEE 802.3at Class 4 PoE Plus compliant VDC: 24 V +/- 10%
Power Connector	2-pin terminal block

ENVIRONMENTAL

Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)

CERTIFICATIONS

Safety	UL 60950	CSA 60950	C-Tick	CB Scheme
Environmental	Plenum rated (UL 2043)			
Electromagnetic Emission	FCC Part 15 Subpart B Class B		IC ICES-003 Class B	EN 55022 Class B
Electromagnetic Immunity	EN 55024 Class B EN 61000-4-2	EN 61000-4-3 EN 61000-4-4	EN 61000-4-5 EN 61000-4-6	EN 61000-4-11

ORDERING INFORMATION

2.0W-H3PTZ-DC20	2.0 Megapixel Day/Night H.264 20x HD PTZ In-Ceiling Dome Camera
H3PTZ-DC-CLEAR	PTZ In-Ceiling Dome Camera Cover with Clear Bubble
H3PTZ-DC-SMOKE	PTZ In-Ceiling Dome Camera Cover with Smoked Bubble
H3PTZ-DC-PNL	Metal Ceiling Panel

[X.X]	INCHES
X	MM

[4.803]
122.00

[3.954]
100.44

Ø[7.893]
200.48

Ø[9.134]
232.00

2.0W-H3PTZ-DC20