## 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<sup>™</sup> (HDSM<sup>™</sup>) 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<sup>™</sup> 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**

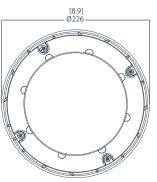
1.0 megapixel p	progressive scan CMOS sensor
Easily track targ	gets with 360 degree endless rotation
Able to move a	t up to 450 degrees per second
4.7 - 94mm, F1.	6 lens with 20x zoom
Provides smooth	n operation and captures fluid motion at 30 frames per second
· · ·	nimum illumination in color mode 1.6) minimum illumination in monochrome mode
H.264 and Mot	ion JPEG compression
ONVIF complia	nt API
Hide sensitive	areas with 3D privacy mask
Automatic expo	osure control and iris control
Automatic remo	ovable IR cut filter for IR sensitivity at night
Power over Eth	ernet, 24 VAC or 24 VDC power input
Supports broad	environmental conditions for challenging outdoor installations
External microp	phone and speaker support for two-way audio
External I/O int	erface for connecting alarms and relays

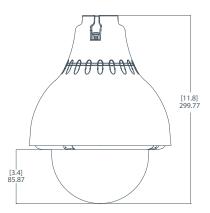
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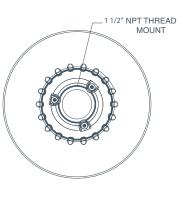
## Specifications

CAMERA	Image Sensor	WDR 1/2.8" progressive so	an CMOS		
	Active Pixels	1280 (H) × 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	0.4 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		assword protection, HTTPS encryption, digest authentication, WS uthentication, user access log.		
	Protocol	IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, 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)	Э 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 F VAC: 24 V	PoE: IEEE 802.3at Cla	ass 4 PoE Plus compliant	
	Power Consumption	25 W with IEEE 802.3at Class 4 PoE Plus 44 W with external power			
	Power Connector	Waterproof 2-pin connect			
ENVIRONMENTAL	Operating Temperature	-30 °C to + 50 °C (-22 °F to 122 °F) with IEEE 802.3at Class 4 PoE Plus power -45 °C to + 50 °C (-50 °F to 122 °F) with external power			
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)			
	Humidity	20 - 80% Relative humidity (non-condensing)			
CERTIFICATIONS	Safety	UL 60950	CVV		
		CSA 60950 CB Scheme	C-Tick		
	Environment	IK09 Impact Rating	Meets IP66 Weath	er Rating	
	Electromagnetic Emission	FCC Part 15 Subpart B Cla IC ICES-003 Class B	ss B	EN 55022 Class B	
	Eletromagnetic 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	1.0W-H3PTZ-DP20	1.0 Megapixel Day/Night 20x HD PTZ Pendant Dome Camera			
INFORMATION	MNT-PEND-WALL	Indoor/Outdoor Pendant Mount Bracket			
	H3PTZ-DP-SMOKE	Dome Camera Cover with Smoked Bubble			

## Outline Dimensions









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