1.0 Megapixel Day/Night H.264 HD 3-9mm 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 H.264 camera is just one way Avigilon can help provide the very best monitoring and protection.

The 1.0MP H.264 HD camera features an integrated lens for remote focus and zoom control, and is ONVIF compliant for no-hassle integration. It operates on Avigilon's H3 platform, providing this model with improved low light performance and enhanced HDSM features. P-Iris control also allows the camera to automatically set its iris position to maximize image quality in all lighting conditions. This camera is extremely versatile and can work in almost any location, including banks, schools, retail outlets, municipal grounds and buildings, hotels, bars and restaurants.

KEY FEATURES

1.0 megapixel progressive scan CMOS sensor

Unsurpassed image quality

3-9mm, F1.2 P-Iris lens with remote focus and zoom

30 images per second at full resolution

69dB true dynamic range

0.2 lux minimum illumination in color mode
and 0.02 lux minimum illumination in monochrome mode

H.264 and Motion JPEG compression

ONVIF compliant API

Multiple video streams

Automatic exposure control and iris control

Automatic removable IR cut filter for IR sensitivity at night

Power over Ethernet, 24 VAC or 12 VDC power input

Audio Input and Output

Analog Video Output

External I/O

Specifications

Outline Dimensions

CAMERA		
Image Sensor	1/2.7" progressive scan CMOS	
Active Pixels	1280 (H) x 720 (V)	
Imaging Area	5.9 mm (H) x 3.3 mm (V) (0.231" (H) x 0.129" (V))	
Minimum Illumination	0.2 lux (F1.2) in color mode; 0.02 lux (F1.2) in monochrome mode	
Dynamic Range	69 dB	
Lens	3-9 mm, F1.2, P-Iris, remote focus and zoom	
Angle of View	35° - 98°	
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 768 x 432	
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	
Audio Compression Method	G.711 PCM 8 kHz	
Audio Input	Line input, A/V mini-jack (3.5 mm)	
Audio Output	Line level, A/V mini-jack (3.5 mm)	
Video Output	NTSC/PAL, A/V mini-jack (3.5 mm)	
External I/O Terminals	Alarm In, 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	
Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP	

MECHANICAL		
Dimensions (LxWxH)	120mm x 67mm x 53mm (4.7" x 2.6" x 2.1")	
Weight	0.47 kg (1.0 lbs)	
Camera Mount	1/4" UNC-20 (top and bottom)	

ELECTRICAL		
Power Source	VDC: 12 V VAC: 24 V PoE: IEEE802.3af Class 3 compliant	
Power Consumption	6 W	
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)	
Humidity	20 - 80% Relative humidity (non-condensing)	

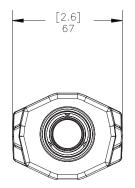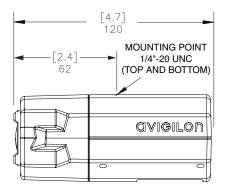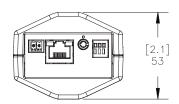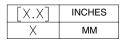| CERTIFICATIONS		
Safety	UL 60950 CSA 60950 EN 60950-1	CE ROHS WEEE
Electromagnetic Emissions	FCC Part 15 Subpart B Class B IC ICES-003 Class B EN 55022 Class B	
Electromagnetic Immunity	EN 55024 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4	EN 61000-4-5 EN 61000-4-6 EN 61000-4-11

ORDERING INFORMATION		
1.0-H3-B2	1.0 Megapixel Day/Night H.264 HD 3-9mm Camera	

[2.6]
67

[4.7]
120

[2.4]
62

MOUNTING POINT
1/4"-20 UNC
(TOP AND BOTTOM)

avigilon

[2.1]
53

[X.X]	INCHES
X	MM