

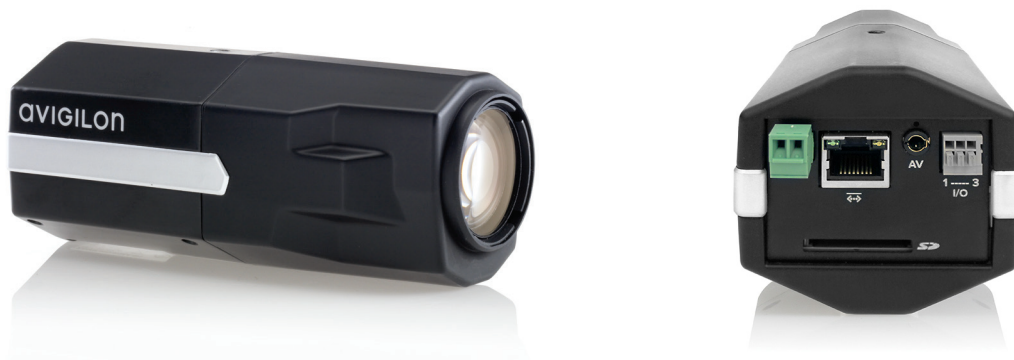
Day/Night H.264 HD Camera

AVIGILON

H.264 HD CAMERA

Avigilon offers the broadest range of high definition cameras in the industry – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting the best solution for your security needs.

The innovative H.264 HD camera is just one way Avigilon can help provide the very best monitoring and protection.



The 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 with wide dynamic range support and enhanced HDSM™ software features. P-Iris control also allows the camera to automatically set its iris position to maximize image quality in all lighting conditions. Onboard storage capabilities let you manage storage directly on the camera using a standard SD memory card. 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

Progressive scan CMOS sensor
Unsurpassed image quality
Available with 3-9 mm F1.2, 9 - 22 mm F1.6, or 4.7-84.6mm F1.6 P-Iris lens with remote focus and zoom
Up to 30 images per second
Wide Dynamic Range
SD card slot for onboard storage support
H.264 and Motion JPEG compression
ONVIF API Compliance with version 1.02, 2.00 and Profile S
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
Analog Video Output

Specifications

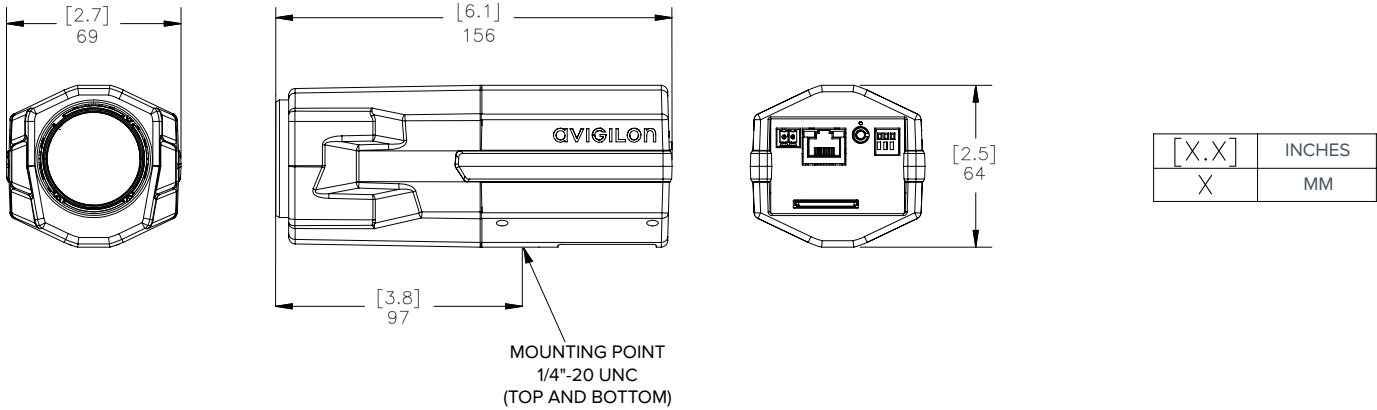
		1.3 MP (LIGHTCATCHER)	1.0 MP	2.0 MP	3.0 MP	5.0 MP	
IMAGE PERFORMANCE	Image Sensor	4.7-84.6 mm lens:	1/3" progressive scan CMOS				
		3-9 mm lens:	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS		WDR 1/3" progressive scan CMOS	1/3.2" progressive scan CMOS
		9-22 mm lens:					
	Active Pixels	1280 (H) x 1024 (V)	1280 (H) x 720 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)	
	Imaging Area	4.7-84.6 mm lens:		4.2 mm (H) x 2.4 mm (V); 0.165" (H) x 0.094" (V)			
		3-9 mm lens:	4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)	5.9 mm (H) x 3.3 mm (V); 0.231" (H) x 0.129" (V)		4.5 mm (H) x 3.4 mm (V); 0.177" (H) x 0.133" (V)	4.6 mm (H) x 3.4 mm (V); 0.181" (H) x 0.133" (V)
		9-22 mm lens:					
	Minimum Illumination	4.7-84.6 mm lens:		0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode			
		3-9 mm lens:	0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode	0.2 lux (F1.2) in color mode; 0.02 lux (F1.2) in monochrome mode		0.3 lux (F1.2) in color mode; 0.03 lux (F1.2) in monochrome mode	
		9-22 mm lens:	0.04 lux (F1.6) in color mode; 0.004 lux (F1.6) in monochrome mode	0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode		0.6 lux (F1.6) in color mode; 0.06 lux (F1.6) in monochrome mode	
Dynamic Range	71 dB	69 dB		100 dB	69 dB		
Image Rate	30 (all resolutions)			20 (at full resolution) 30 (at 1920 x 1080 or smaller)	13 (at full resolution)		
Resolution Scaling	Down to 768 x 432			Down to 480 x 360			
LENS	Lens	4.7-84.6 mm, F1.6, P-Iris, remote focus and zoom					
		3-9 mm, F1.2, P-Iris, remote focus and zoom					
		9-22 mm, F1.6, P-Iris, remote focus and zoom					
	Angle of View	4.7-84.6 mm lens:	3° - 52°				
	3-9 mm lens:	30° - 88°	35° - 98°		28° - 84°		
	9-22 mm lens:	13° - 30°	15° - 35°		12° - 28°		
IMAGE CONTROL	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG					
	Streaming	Multi-stream H.264 and Motion JPEG					
	Motion Detection	Selectable sensitivity and threshold					
	Electronic Shutter Control	Automatic, Manual (1/6 to 1/2000 sec)		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					
	Backlight Compensation	Adjustable					
	Privacy Zones	Up to 64 zones					
	Audio Compression Method	G.711 PCM 8 kHz					
	Audio Input/Output	Line level input/output, 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 compliance version 1.02, 2.00, Profile S (www.onvif.org)					
	Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication					
	Protocol	IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, 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		4.7-84.6 MM LENS		3-9 MM LENS		9-22 MM LENS
Dimensions (LxWxH)		156 mm x 69 mm x 64 mm; 6.1" x 2.7" x 2.5"		115 mm x 67 mm x 53 mm; 4.5" x 2.6" x 2.1"			
Weight		0.56 kg (1.2 lbs)		0.47 kg (1.0 lbs)			
Camera Mount		1/4" UNC-20 (top and bottom)					
Onboard Storage		SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended					
ELECTRICAL		1.3 MP		1.0 MP		2.0 MP	
	Power Consumption	6 W					
	Power Source	VDC: 12 V +/- 10%, 6 W min		VAC: 24 V +/- 10%, 8 VA min		PoE: IEEE802.3af Class 3 compliant	
	Power Connector	2-pin terminal block					
	RTC Backup Battery	3V Manganese Lithium					
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	0 - 95% non-condensing					

Specifications

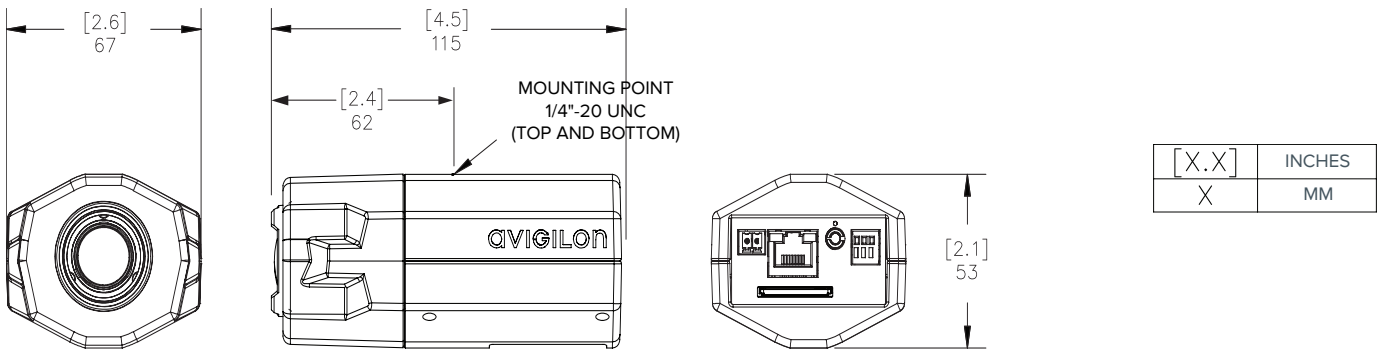
CERTIFICATIONS	Certifications	UL	cUL	CE	ROHS	WEEE	RCM	EAC
Safety	UL 60950-1				CSA 60950-1	IEC/EN 60950-1		
Electromagnetic Emissions	FCC Part 15 Subpart B Class B	IC ICES-003 Class B		EN 55022 Class B	EN 61000-6-3	EN 61000-3-2	EN 61000-3-3	
Electromagnetic Immunity	EN 55024				EN 61000-6-1			

Outline Dimensions

4.7-84.6 mm lens



3-9 mm lens, 9-22 mm lens



Ordering Information

1.0-H3-B1	1.0 Megapixel Day/Night H.264 HD 4.7-84.6 mm Camera
1.0-H3-B2	1.0 Megapixel Day/Night H.264 HD 3-9 mm Camera
1.0-H3-B3	1.0 Megapixel Day/Night H.264 HD 9-22 mm Camera
1.3L-H3-B2	1.3 Megapixel H.264 HD 3-9 mm Camera with LightCatcher™ Technology
1.3L-H3-B3	1.3 Megapixel H.264 HD 9-22 mm Camera with LightCatcher™ Technology
2.0-H3-B1	2.0 Megapixel Day/Night H.264 HD 4.7-84.6 mm Camera
2.0-H3-B2	2.0 Megapixel Day/Night H.264 HD 3-9 mm Camera
2.0-H3-B3	2.0 Megapixel Day/Night H.264 HD 9-22 mm Camera
3.0W-H3-B2	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Camera
3.0W-H3-B3	3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Camera
5.0-H3-B2	5.0 Megapixel Day/Night H.264 HD 3-9 mm Camera
5.0-H3-B3	5.0 Megapixel Day/Night H.264 HD 9-22 mm Camera