

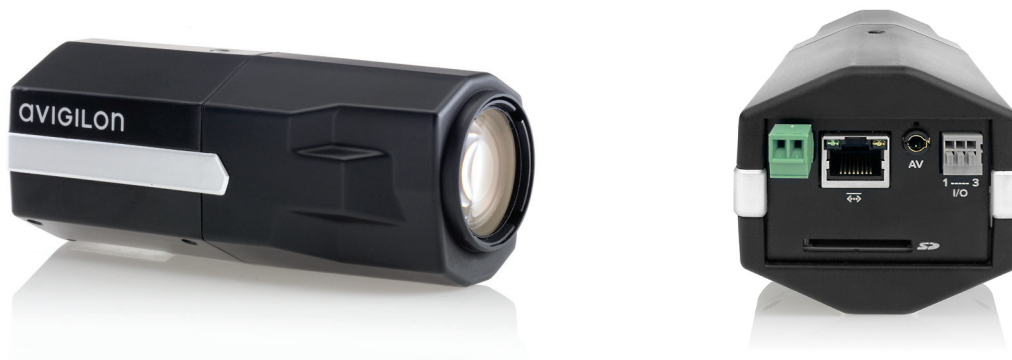
# Day/Night H.264 HD Camera

AVIGILON

H.264 HD CAMERA

Avigilon offers a broad range of high definition cameras – 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 an exceptional 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

H.264 HD CAMERA

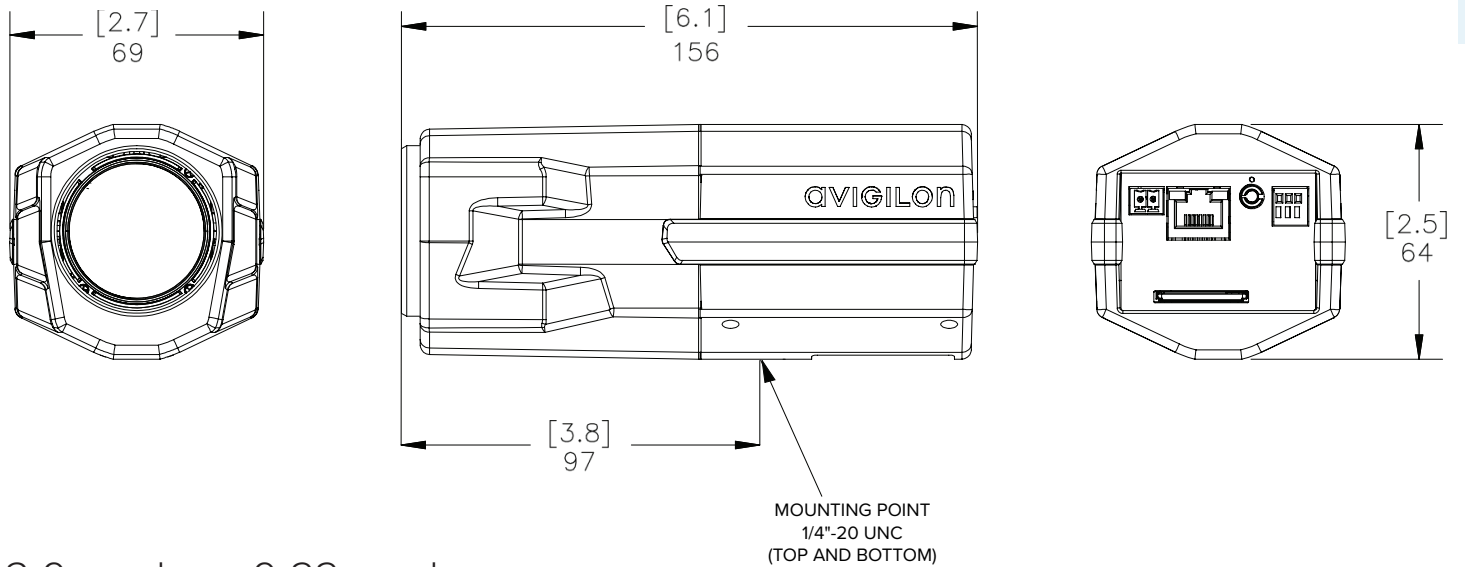
		1.3 MP (LIGHTCATCHER)	1.0 MP	2.0 MP	3.0 MP	5.0 MP
<b>IMAGE PERFORMANCE</b>	Image Sensor	4.7-84.6 mm lens:	1/3" progressive scan CMOS		WDR 1/3" progressive scan CMOS	1/3.2" progressive scan CMOS
		3-9 mm lens:	1/3" progressive scan CMOS			
		9-22 mm lens:	1/3" progressive scan CMOS			
	Active Pixels	1280 (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)		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)
		3-9 mm lens:	4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)			
		9-22 mm lens:	4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)			
	Minimum Illumination	4.7-84.6 mm lens	0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) 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
		3-9 mm lens:	0.02 lux (F1.2) in color mode; 0.002 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			
Dynamic Range	71 dB	69 dB		100 dB	69 dB	
Image Rate	30 (all resolutions)			20 (at full resolution)	13 (at 1920 x 1080 or smaller for 4:3 aspect ratios)	
Resolution Scaling	Down to 768 x 432			30 (at 1920 x 1080 or smaller)	30 (at 1920 x 1080 or smaller for 16:9 aspect ratios)	
Resolution Scaling	Down to 768 x 432			Down to 480 x 360		
<b>LENS</b>	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°		28° - 84°	12° - 28°
3-9 mm lens:	30° - 88°					
9-22 mm lens:	13° - 30°					
<b>IMAGE CONTROL</b>	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				
<b>NETWORK</b>	Network	100BASE-TX				
	Cabling Type	CAT5				
	Connector	RJ-45				
	API	ONVIF compliance version 1.02, 2.00, Profile S ( <a href="http://www.onvif.org">www.onvif.org</a> )				
	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				
	<b>MECHANICAL</b>		<b>4.7-84.6 MM LENS</b>		<b>3-9 MM LENS</b>	
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				
<b>ELECTRICAL</b>	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				
<b>ENVIRONMENTAL</b>	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

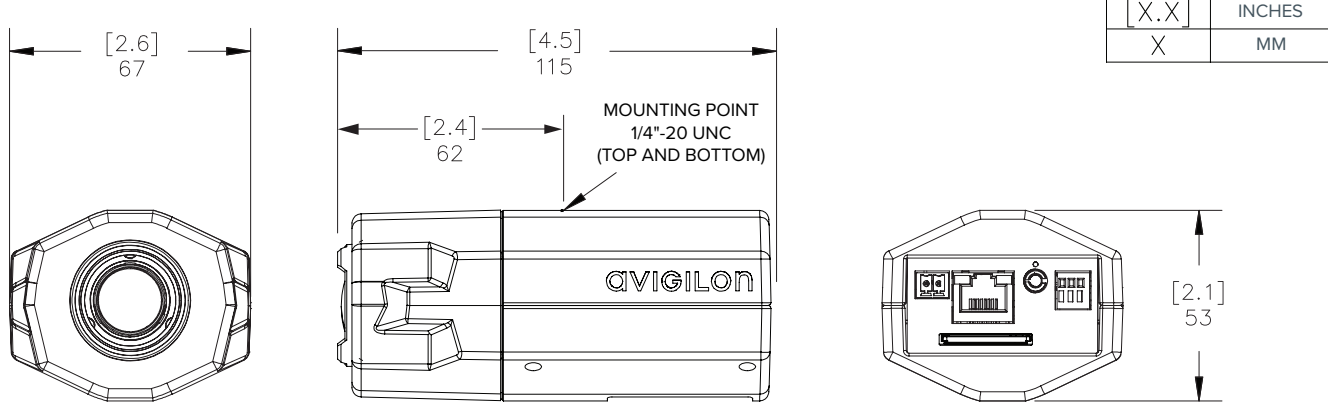
CERTIFICATIONS	Certifications	UL	cUL	CE	ROHS	WEEE	RCM	EAC
Safety	UL 60950-1				CSA 60950-1	IEC/EN 60950-1		
Electromagnetic Emissions	FCC Part 15 Subpart B Class B	IC ICES-003 Class B		EN 55032 Class B	EN 61000-6-3	EN 61000-3-2	EN 61000-3-3	
Electromagnetic Immunity	EN 55024				EN 61000-6-1			

## 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