HD Bullet 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 HD Bullet camera is just one way Avigilon can help provide the very best monitoring and protection.

Avigilon's HD Bullet camera is ideal for seeing objects and activity in complete darkness. With our unique adaptive IR technology, this camera is equipped to provide both wide and narrow illumination, enabling consistent illumination in complete darkness to maximize image quality regardless of scene conditions. Avigilon's HD Bullet camera also features wide dynamic range capabilities and is vandal resistant for maximum security. Onboard storage capabilities let you manage storage directly on the camera using a standard SD memory card. The Bullet camera is ideal for monitoring a variety of environments that require discreet nighttime coverage, including parking lots, campuses and industrial yards.
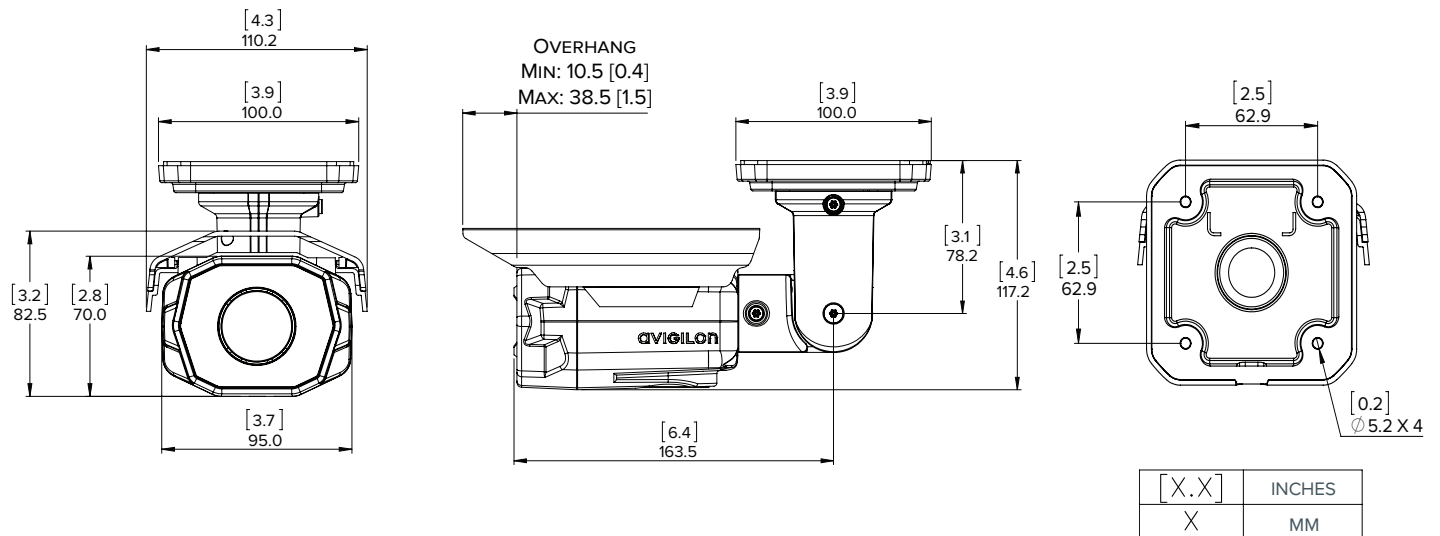
KEY FEATURES

Progressive scan CMOS sensor

Unsurpassed image quality in daytime and nighttime

Available with 3-9 mm F1.2 or 9-22 mm 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

Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 200 ft (60 m) away

Zoom and content adaptive IR provides the most effective illumination at all zoom positions, while maintaining optimum scene illumination

Automatic Day/Night functionality with removable IR cut filter to switch to Day or Night mode depending on the light level

PoE (Power over Ethernet) enables operating temperatures of -40°C to 50°C (-40°F to 122°F) with no auxiliary power required.

Additional configuration Ethernet port for easy installation

ONVIF compliant API with H.264 and Motion JPEG compression

Vandal resistant construction and IP66 compliant

Specifications

		1.0 MP	2.0 MP	3.0 MP	5.0 MP
IMAGE PERFORMANCE	Image Sensor	WDR 1/3" progressive scan CMOS			1/3.2" progressive scan CMOS
	Active Pixels	1280 (H) x 720 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)
	Imaging Area	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)
	Illuminator Technology	High-power IR LEDs			
	IR Illumination — 3-9 mm lens:	850 nm wavelength, 30 m (100 ft) max. distance of IR illumination at 0 lux			
	IR Illumination — 9-22 mm lens:	850 nm wavelength, 60 m (200 ft) max. distance of IR illumination at 0 lux			
	Minimum Illumination — 3-9 mm lens:	0.2 lux (F1.2) in color mode			0.3 lux (F1.2) in color mode
		0 lux in monochrome mode with IR			
	Minimum Illumination — 9-22 mm lens:	0.4 lux (F1.6) in color mode			0.6 lux (F1.6) in color mode
		0 lux in monochrome mode with IR			
	Dynamic Range	100 dB			69 dB
	Image Rate	30 (all resolutions)		20 (at full resolution)	13 (at full resolution)
				30 (at 1920 x 1080 or smaller)	

		1.0 MP	2.0 MP	3.0 MP	5.0 MP
LENS	Lens	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 — 3-9 mm lens:	26° - 79°		28° - 84°	
	Angle of View — 9-22 mm lens:	11° - 26°		11° - 28°	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 1/8000 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 and output, 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, 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)	241.7 mm x 95.0 mm x 70 mm; 9.5" x 3.7" x 2.8"
	Weight	1.15 kg (2.5 lbs)
	Body	Aluminum
	Housing	Surface mount, tamper resistant
	Finish	Powder coat, cool gray 2
	Adjustment Range	±175° pan, -45° to +90° tilt, ±175° azimuth
	Onboard Storage	SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended

ELECTRICAL			
	Power Consumption	22 W with external power	12.95 W with IEEE 802.3af Class PoE
	Power Source	VDC: 12 V +/- 10%, 22 W min	VAC: 24 V +/- 10%, 28 VA min — PoE: IEEE802.3af Class 3 compliant
	RTC Backup Battery	3V Manganese Lithium	

ENVIRONMENTAL		
	Operating Temperature	-40 °C to +50 °C (-40 °F to 122 °F)
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
	Humidity	0 - 95% non-condensing

CERTIFICATIONS								
	Certifications/Directives	UL	cUL	CE	ROHS	WEEE	RCM	EAC
	Safety	UL 60950-1		CSA 60950-1		IEC/EN 60950-1	IEC 62471	
	Environmental	IK10 Impact Rating		UL/CSA/IEC 60950-22		IEC 60529 IP66 Rating		
	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

[4.3]
110.2

[3.9]
100.0

OVERHANG
MIN: 10.5 [0.4]
MAX: 38.5 [1.5]

[3.9]
100.0

[2.5]
62.9

[3.2]   [2.8]
82.5   70.0

[3.1]
78.2

[4.6]
117.2

[2.5]
62.9

[3.7]
95.0

[6.4]
163.5

[0.2]
⌀ 5.2 X 4

[X.X]	INCHES
X	MM

Ordering Information

1.0W-H3-BO1-IR	1.0 Megapixel WDR 3-9 mm HD Bullet Camera
1.0W-H3-BO2-IR	1.0 Megapixel WDR 9-22 mm HD Bullet Camera
2.0W-H3-BO1-IR	2.0 Megapixel WDR 3-9mm HD Bullet Camera
2.0W-H3-BO2-IR	2.0 Megapixel WDR 9-22 mm HD Bullet Camera
3.0W-H3-BO1-IR	3.0 Megapixel WDR 3-9 mm HD Bullet Camera
3.0W-H3-BO2-IR	3.0 Megapixel WDR 9-22 mm HD Bullet Camera
5.0-H3-BO1-IR	5.0 Megapixel 3-9 mm HD Bullet Camera
5.0-H3-BO2-IR	5.0 Megapixel 9-22 mm HD Bullet Camera
H3-BO-JB	Junction box for the H3-BO-IR HD Bullet Cameras
MNT-AD-POLE-B	Aluminum pole mounting bracket for dome cameras using Pendant Mount Brackets and HD Bullet Cameras
MNT-AD-CORNER	Aluminum corner mounting bracket for dome cameras using Pendant Mount Brackets and HD Bullet Cameras