

a Motorola Solutions Company

H4 SL Bullet Camera with LightCatcher™ Technology

The H4 SL camera line has an innovative and modular design that is easy to install. Built on the H4 platform, it combines our patented LightCatcher and Wide Dynamic Range (WDR) technologies to provide exceptional image quality in complex lighting. Using HDSM SmartCodec™ and idle scene mode technologies, the H4 SL camera optimizes video streams in real time, minimizing bandwidth and storage requirements while maintaining clear, detailed images. It integrates with Avigilon Control Center™ video management software (VMS), and is ONVIF-compliant for integration with a third-party VMS. With significant improvements to bandwidth savings and lower storage retention, as well as its easy-to-install, modular design, the H4 SL camera line adds even more value than before, lowering your total cost of ownership.



Straight out of the box, the H4 SL camera is designed and packaged for simple ordering and quick and flexible installation. The discreet and modular design of this camera line allows it to seamlessly fit in to its surroundings. Bullet models have interchangeable brackets for maximum flexibility in mounting options, they can be vertically or horizontally-mounted with a versatile sunshade for unobstructed views.

The H4 SL camera's IK10-rated, vandal-resistant and IP66 dust and water-resistant housing make it ideal for monitoring a variety of indoor and outdoor environments, such as hallways, public entrances and lobbies of banks, schools, retail outlets and hotels.

Avigilon HDSM SmartCodec technology H4 SL optimizes the video stream in real time using automatic ROI encoding to save bandwidth and storage requirements while maintaining image quality.



KEY FEATURES

1.3, 2.0 and 3.0 megapixel resolution models

Innovative modular design for quick and easy installation

3-9 mm F/1.4 lens with remote zoom and focus

Content adaptive IR technology provides effective illumination through the field of view, while maintaining exceptional scene illumination

Wi-Fi camera configuration support

Avigilon LightCatcher technology provides exceptional image quality in low light environments

Dual exposure Wide Dynamic Range for complex lighting environments

Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to maximum of 15m ($^{\circ}$ 50ft) away (outdoor model only)

Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements

Idle scene mode lowers bandwidth and storage usage if there are no motion events detected in the scene

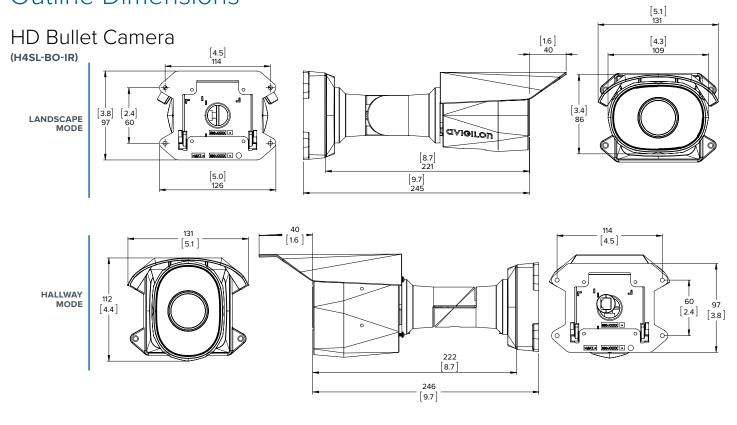
IK10 vandal resistant construction and IP66 compliant

Avigilon HDSM SmartCodec technology for reduce bandwidth and storage requirements

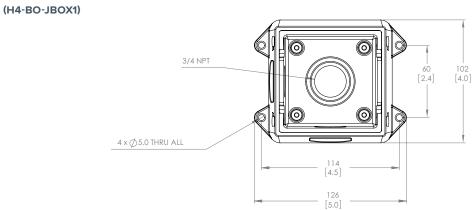
Specifications

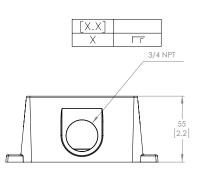
Specifications								
		1.3 MP	2.0 MP	3.0 MP				
IMAGE	Image Sensor	1/2.8" progressive scan CMOS						
PERFORMANCE	Aspect Ratio	5:4	16:9	4:3				
	Active Pixels (H x V)	1280 x 1024	1920 x 1080	2048 x 1536				
	Imaging Area (H x V)	3.7 mm x 3.0mm; 0.145" x 0.118"	5.6 mm x 3.1 mm; 0.22" x 0.122"	5.12 mm x 3.84 mm; 0.202" x 0.157"				
	Imaging Rate	30 fps	30 fps	20 fps				
	IR Illumination (high power 850 nm LEDs)	15 m (50 ft) max. distance at 0 lux						
	Minimum Illumination	0.01 lux (F/1.4) in color mode; 0 lux (F/1.4) in mor	0.02 lux in color mode; 0 lux (F/1.4) in monochrome mode with IR					
	Dynamic Range	100 dB						
	Resolution Scaling	Down to 384 x 216						
	Bandwidth Management	HDSM SmartCodec technology; Idle scene mode						
	3D Noise Reduction Filter	Yes						
LENS	Lens	F/1.4, 3-9 mm, motorized, varifocal						
	(Aspect ratio) HFoV	(5:4) 26° – 60°; (16:9) 39° – 90°	(5:4) 36° – 84°; (16:9) 39° – 90°; (4:3) 39° – 90°					
IMAGE CONTROL	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG						
	Streaming	Multi-stream H.264 and Motion JPEG						
	Video Compression	H.264/MJPEG/HDSM SmartCodectechnology						
	Motion Detection	Pixel						
	Tamper Detection	Yes						
	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						
NETWORK	DRK Network 100BASE-TX							
	Cabling Type	CAT5						
	Connector	RJ-45						
	ONVIF	ONVIF compliant with version 1.02, 2.00, Profile S						
	Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication						
	Protocols	IPv6, 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						
	Device Management Protocols	SNMP v2c, SNMP v3						
PERIPHERALS	USB Port	USB 2.0						
	Onboard Storage	microSD/microSDXC slot – minimum class 6; class 10/UHS-1 or better recommended						
MECHANICAL	Dimensions (LxWxH)	285 mm x 131 mm x 97mm; 11.2" x 5.1" x 3.8" (including mounting bracket)						
	Weight Camera:	1.29 kg (2.84 lbs)						
	Mounting Bracket:	0.21 kg (0.46 lbs)						
	Body	Aluminum						
	Housing	Surface mount, tamper resistant, vandal resista	int					
	Finish	Powder coat, cool grey						
	Adjustment Range	±175° pan, ±90° tilt, ±175° azimuth						
ELECTRICAL	Power Consumption	9W max						
	Power Source	PoE: IEEE802.3af Class 3 compliant						
	RTC Backup Battery	3V manganese lithium						
ENVIRONMENTAL	Operating Temperature	-30 °C to +60 °C (-22 °F to 140 °F)						
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)						
	Humidity	0 - 95% non-condensing						
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CERTIFICATIONS	Certifications/Directives	UL, cUL, CE, ROHS, WEEE, RCM, EAC, KC, BIS UL 60950-1, CSA 60950-1, IEC/EN 60950-1, IEC	C 62471					
	Safety Environmental	IK10 Impact Rating, UL/CSA/IEC 60950-22, IEC						
	00-3-2, EN 61000-3-3, KN 32, EN 55011							
	Electromagnetic Immunity	EN 50121-4, EN 55024, EN 61000-6-1, EN 5013						
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Outline Dimensions



HD Bullet Camera Junction Box





Ordering Information

	MP	WDR	LightCatcher Technology	Lens	IR	IP66	HDSM SmartCodec			
1.3C-H4SL-BO1-IR	1.3	✓	✓	3 - 9 mm	✓	✓	✓			
2.0C-H4SL-BO1-IR	2.0	✓	✓	3 - 9 mm	✓	✓	✓			
3.0C-H4SL-BO1-IR	3.0	✓	✓	3 - 9 mm	✓	✓	✓			
H4-BO-JBOX1	Junction box for H4 HD and H4 SL bullet cameras									
H4-MT-POLE1	Aluminum pole mounting bracket									
H4-MT-CRNR1	Aluminum corner mounting bracket									
H4-AC-WIFI2-NA	USB Wi-Fi adapter									
H4-AC-WIFI2-EU	USB Wi-Fi adapter									