

H5SL Camera Line

1.3 MP

2 MP

3 MP

5 MP



Features



UNUSUAL MOTION DETECTION

Uses AI to notify you of unusual events that might otherwise have been missed, offering increased situational awareness and helping you effectively monitor more cameras.



LIGHTCATCHERTM TECHNOLOGY

Offers exceptional detail in areas with low lighting.



DUAL EXPOSURE WIDE DYNAMIC RANGE

Capture details in scenes with both very bright and dark areas.



ONVIF[®] COMPLIANT

Built on an open platform to allow integration with other security solutions.



MULTIPLE LENS OPTIONS

Choose from various lens types, including long zoom, for flexible coverage options.



H.265 WITH HDSM SMARTCODECTM TECHNOLOGY

Optimizes compression levels for regions in a scene to help maximize bandwidth savings, helping to keep internet connectivity costs down.



ADAPTIVE INFRARED (IR)

Automatically adjusts IR beam width and exposure settings based on scene conditions to help maximize image quality.



RELAY I/O CONNECTIONS

Incorporate and configure input/output actions and alarms for fast event response.



MADE IN NORTH AMERICA AND 5 YEAR WARRANTY

Manufactured in North America* using globally-sourced materials and North American expertise, Avigilon stands behind the quality of its products. Backed by a 5 year warranty.

Specifications

IMAGE PERFORMANCE			1.3 MP	2.0 MP	3.0 MP	5.0 MP
	Image Sensor		1/2.8" progressive scan CMOS			
	Aspect Ratio		5:4	16:9	4:3	4:3
	Active Pixels (H x V)		1280 x 1024	1920 x 1080	2048 x 1536	2592 x 1944
	Imaging Area (H x V)		3.2 mm x 2.56 mm; 0.126" x 0.101"	4.8 mm x 2.7 mm; 0.189" x 0.106"	5.12 mm x 3.84 mm; 0.202" x 0.151"	5.18 mm x 3.89 mm; 0.204" x 0.153"
	Max Image Rate		(50 Hz/60 Hz): 25 fps/30 fps			
			(50 Hz/60 Hz): 25 fps/24 fps			
	Dynamic Range	WDR Off	100 dB			
		WDR On	120 dB (dual exposure)			
	Resolution Scaling		Down to 384 x 216			
	Camera Operating Mode		N/A			
Bandwidth Management		HDSM SmartCodec technology; Idle scene mode				
3D Noise Reduction Filter		Yes				

		3 – 9 mm	3.1 – 8.4 mm	9.5 – 31 mm
LENS AND IR ILLUMINATION	IR Illumination Max Distance (high power 850 nm LEDs)	Dome	30 m (100 ft), full tele 20 m (65 ft), full wide	N/A
		Bullet	N/A	70 m (230 ft), full tele 30 m (100 ft), full wide
	Minimum Illumination	1.3 MP	With IR: 0 lux in color or monochrome mode Without IR: 0.03 lux in color mode; 0.015 lux in monochrome mode	N/A
		2.0 MP	With IR: 0 lux in color or monochrome mode Without IR: 0.04 lux in color mode; 0.02 lux in monochrome mode	N/A
		3.0 MP	With IR: 0 lux in color or monochrome mode Without IR: 0.02 lux in color mode; 0.01 lux in monochrome mode	With IR: 0 lux in color or monochrome mode Without IR: 0.03 lux in color mode; 0.015 lux in monochrome mode
		5.0 MP	N/A	With IR: 0 lux in color or monochrome mode Without IR: 0.015 lux in color mode; 0.007 lux in monochrome mode
	Horizontal Angle of View Based on Aspect Ratio	1.3 MP	(16:9)(4:3) 35° – 90°	N/A
		2.0 MP	(5:4) 33° – 85°	N/A
		3.0 MP	(16:9)(4:3) 35° – 90°	(16:9) 10° – 32°; (5:4) 9.5° – 32°; (4:3) 9.5° – 30°
		5.0 MP	N/A	(16:9)(4:3) 9.5° – 30°
	Vertical Angle of View Based on Aspect Ratio	1.3 MP	(16:9) 20° – 49°	N/A
		2.0 MP	(5:4)(4:3) 26° – 66°	N/A
		3.0 MP	(16:9) 20° – 49°	(16:9) 6° – 17°; (5:4)(4:3) 7° – 23°
		5.0 MP	N/A	(16:9) 6° – 17°; (4:3) 7° – 23°
	Max Aperture	F1.4	F1.6	F1.4
	Control	P-Iris, Remote Focus and Zoom		

IMAGE CONTROL	Image Compression Method	H.264 HDSM SmartCodec, H.265 HDSM SmartCodec, Motion JPEG
	Streaming	Multi-stream H.264, Multi-stream H.265, Motion JPEG
	Motion Detection	Pixel and Unusual Motion Detection (UMD)
	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

AUXILIARY I/O	Audio Compression Method	Opus, G.711 PCM 8 kHz
	Audio Input/Output	Line level input and output
	External I/O Terminals	Alarm In, Alarm Out

NETWORK	Network	100BASE-TX
	Cabling Type	CAT5
	Connector	RJ-45
	ONVIF	ONVIF compliant with Profile S and Profile T (www.onvif.org)
	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/microSDHC/microSDXC slot – minimum class 6; class 10/UHS-1 or better recommended

Specifications (Con't)

MECHANICAL (DOME)

	SURFACE MOUNT	IN-CEILING MOUNT	PENDANT MOUNT	
			NPT ADAPTER	NPT + WALL MOUNT
Dimensions (LxWxH)	147 mm x 147 mm x 119 mm; 5.8" x 5.8" x 4.7"	174 mm x 174 mm x 162 mm; 6.9" x 6.9" x 6.4"	153 mm x 153 mm x 166 mm; 6.0" x 6.0" x 6.5"	269 mm x 153 mm x 214 mm; 10.6" x 6.0" x 8.4"
Max. Ceiling Thickness	N/A	32 mm (1.25")	N/A	N/A
Weight	Indoor Dome — 0.76 kg; 1.68 lbs Outdoor Dome — 0.78 kg; 1.72 lbs	Indoor Dome — 0.75 kg; 1.65 lbs Outdoor Dome — 0.77 kg; 1.69 lbs	Indoor Dome — 0.75 kg; 1.65 lbs Outdoor Dome — 0.77 kg; 1.69 lbs	Indoor Dome — 2.02 kg; 4.45 lbs Outdoor Dome — 2.04 kg; 4.49 lbs
Dome Bubble	Polycarbonate, clear			
Body	Polycarbonate			Polycarbonate/aluminum
Housing	Vandal resistant			
Finish	Cool grey			Close to RAL 9003
Adjustment Range	360° pan, ±180° azimuth, 30° – 95° tilt (recommended), 10° – 95° tilt (maximum)			

MECHANICAL (BULLET)

Dimensions (LxWxH)	285 mm x 131 mm x 97 mm; 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 resistant		
Finish	Powder coat, cool grey		
Adjustment Range	±175° pan, ±90° tilt, ±175° azimuth		

ELECTRICAL

Power Consumption	Indoor Dome	5 W max
	Outdoor Dome	8 W max
	Bullet	9 W max
Power Source*	PoE: IEEE802.3af Class 3 compliant	
RTC Backup Battery	3V manganese lithium	

* When powered with some models of PoE++ injectors, the injectors may not power the camera correctly.

ENVIRONMENTAL

Operating Temperature	Indoor Dome	0 °C to +60 °C (32 °F to 140 °F)
	Bullet and Outdoor Dome	-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	

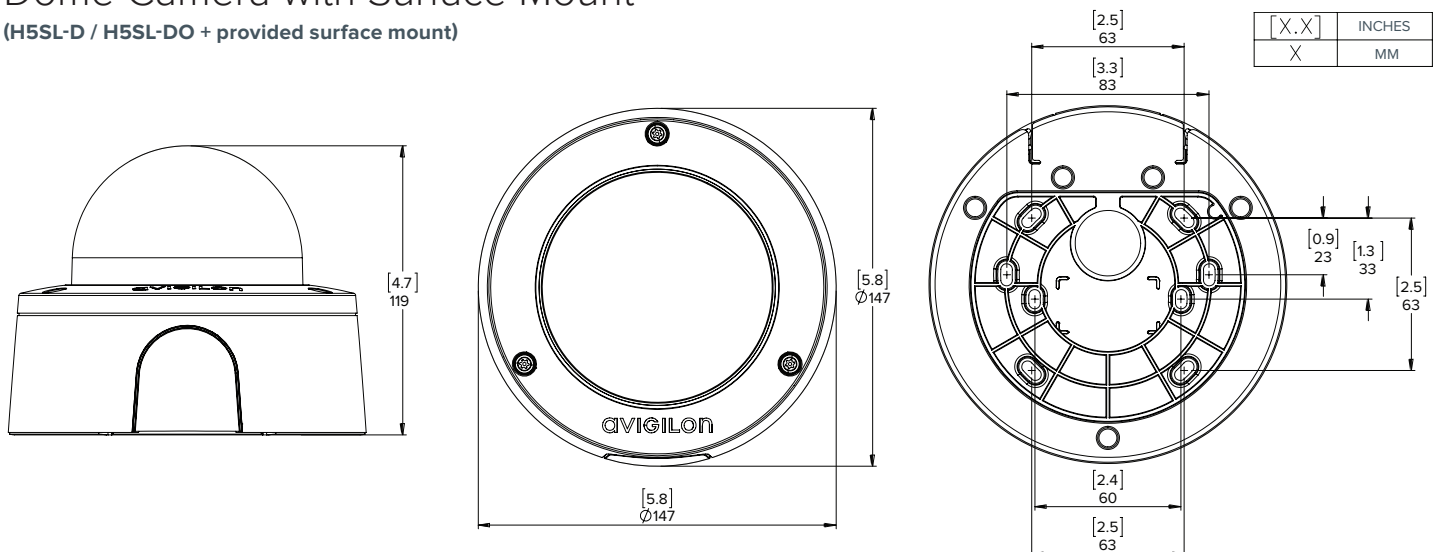
CERTIFICATIONS

Certifications/Directives	UL, cUL, CE, ROHS, RCM, BIS	
Safety	UL 62368-1, CSA 62368-1, IEC/EN 62368-1, IEC 62471	
Environmental	Bullet	IEC 62262 IK10 Impact Rating, UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating
	Outdoor Dome	IEC 62262 IK10 Impact Rating, UL/CSA/IEC 60950-22, IEC 60529 IP66 and IP67 Weather Rating
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	
Industrial EMC	EN 50130-4, EN 50121-4	

Outline Dimensions

Dome Camera with Surface Mount

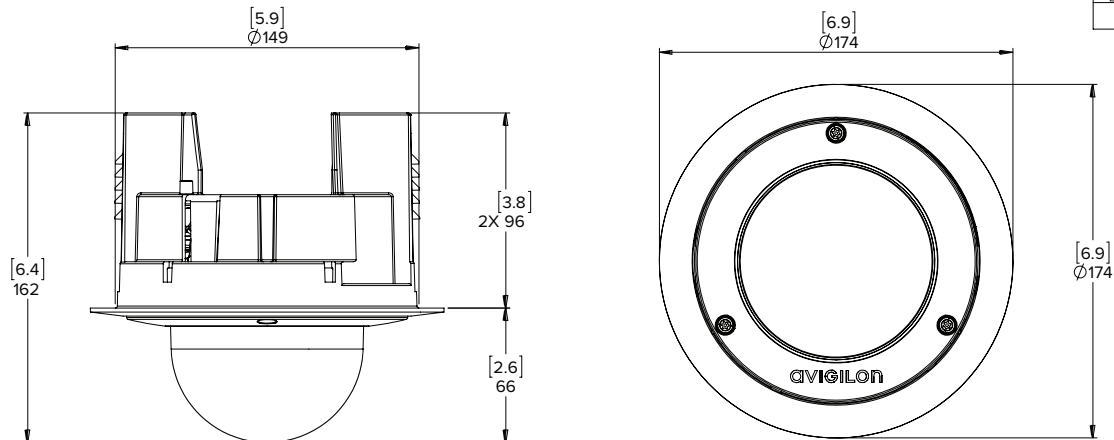
(H5SL-D / H5SL-DO + provided surface mount)



Outline Dimensions (Con't)

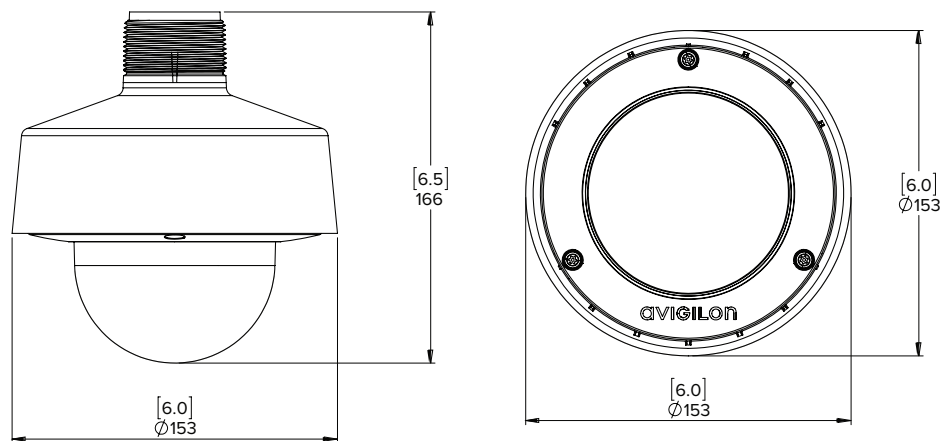
Dome Camera with In-Ceiling Mount

(H5SL-D/H5SL-DO + H4SL-MT-DCIL)



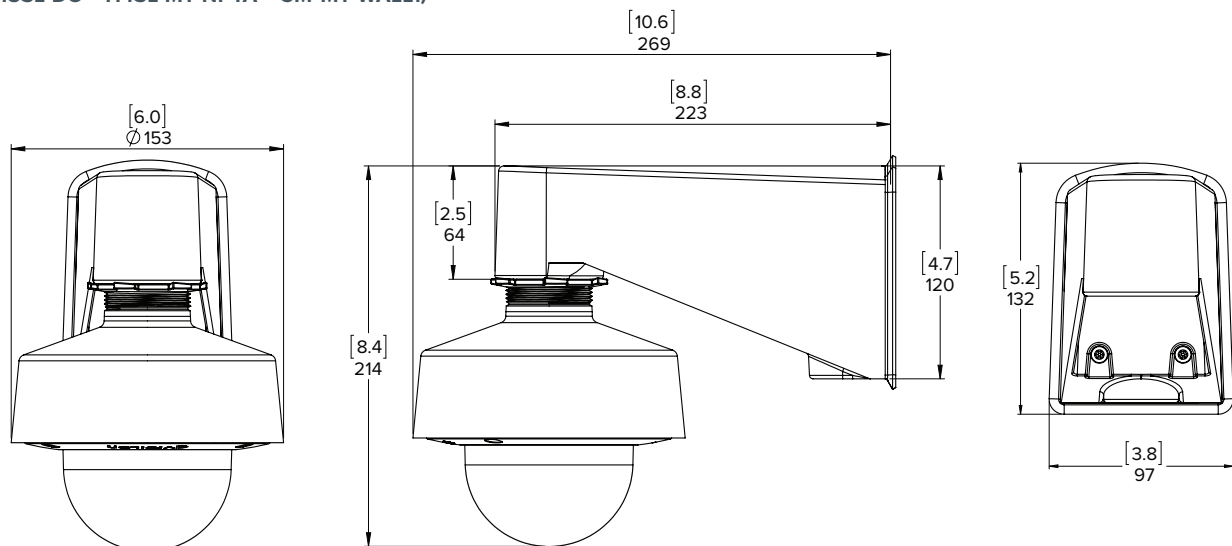
Dome Camera with NPT Adapter

(H5SL-D/H5SL-DO + H4SL-MT-NPTA)



Dome Camera with NPT Adapter and Pendant Wall Mount

(H5SL-D/H5SL-DO + H4SL-MT-NPTA + CM-MT-WALL1)

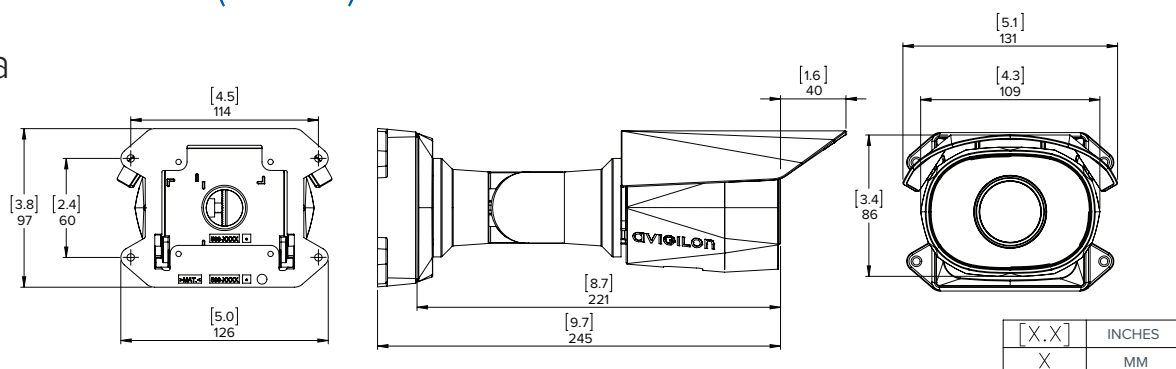


Outline Dimensions (Con't)

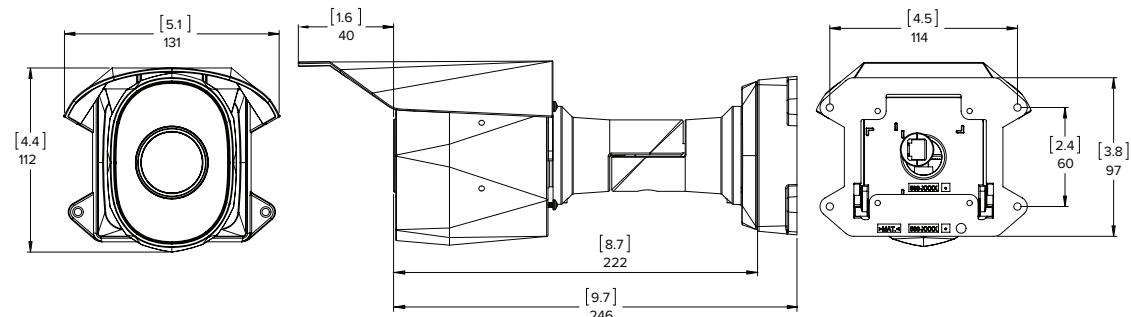
Bullet Camera

(H5SL-BO-IR)

LANDSCAPE
MODE

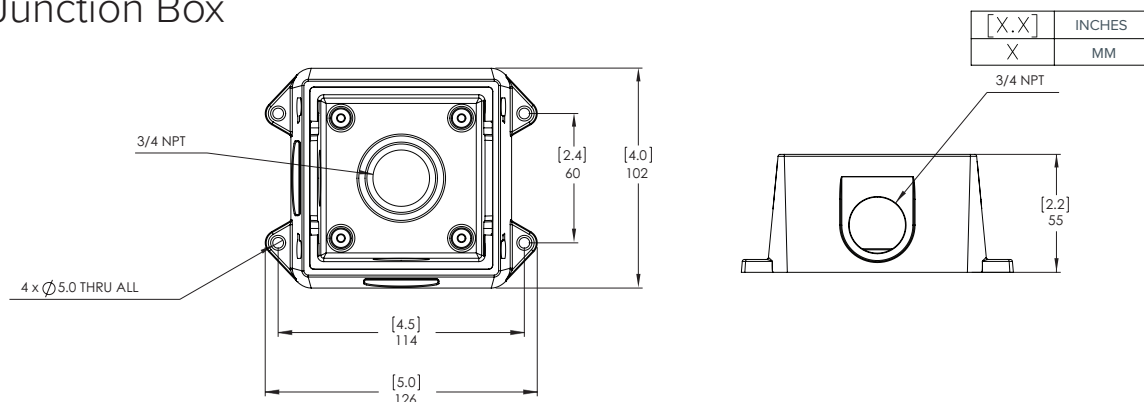


HALLWAY
MODE



Bullet Camera Junction Box

(H4-BO-JBOX1)



Ordering Information (Bullet)

	MP	WDR	LightCatcher Technology	Lens	IR	IP66/IP67	HDSM SmartCodec
1.3C-H5SL-BO1-IR	1.3	✓	✓	3.1 - 8.4 mm	✓	✓	✓
2.0C-H5SL-BO1-IR	2.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
3.0C-H5SL-BO1-IR	3.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
3.0C-H5SL-BO2-IR	3.0	✓	✓	9.5 - 31 mm	✓	✓	✓
5.0C-H5SL-BO1-IR	5.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
5.0C-H5SL-BO2-IR	5.0	✓	✓	9.5 - 31 mm	✓	✓	✓

H4-BO-JBOX1	Junction box for H5SL, H4SL, and H4 HD bullet cameras
H4-MT-POLE1	Aluminum pole mounting bracket
H4-MT-CRNR1	Aluminum corner mounting bracket
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter

Ordering Information (Dome)

The variety of mounting options for the H5SL dome camera provides maximum flexibility. All the available camera modules can be used in any of the mounting options.

MOUNTING SCENARIO

ORDERING INFORMATION

SURFACE MOUNT



Order one of:

- Camera

IN-CEILING MOUNT



Order one of:

- Camera
- H4SL-MT-DCIL1
- Optional, H4-DC-CPNL1 if ceiling panel needed

PENDANT NPT MOUNT



Order one of:

- Camera
- H4SL-MT-NPTA1

PENDANT WALL MOUNT



Order one of:

- Camera
- H4SL-MT-NPTA1
- CM-MT-WALL1
- Optional, H4-MT-POLE1 or H4-MT-CRNR1 if pole or corner mount needed

	MP	WDR	LightCatcher Technology	Lens	IR	IP66/IP67	HDSM SmartCodec
1.3C-H5SL-D1	1.3	✓	✓	3 - 9 mm			✓
1.3C-H5SL-D1-IR	1.3	✓	✓	3 - 9 mm	✓		✓
1.3C-H5SL-DO1-IR	1.3	✓	✓	3.1 - 8.4 mm	✓	✓	✓
2.0C-H5SL-D1	2.0	✓	✓	3 - 9 mm			✓
2.0C-H5SL-D1-IR	2.0	✓	✓	3 - 9 mm	✓		✓
2.0C-H5SL-DO1-IR	2.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
3.0C-H5SL-D1	3.0	✓	✓	3 - 9 mm			✓
3.0C-H5SL-D1-IR	3.0	✓	✓	3 - 9 mm	✓		✓
3.0C-H5SL-DO1-IR	3.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓
5.0C-H5SL-D1	5.0	✓	✓	3.1 - 8.4 mm			✓
5.0C-H5SL-D1-IR	5.0	✓	✓	3.1 - 8.4 mm	✓		✓
5.0C-H5SL-DO1-IR	5.0	✓	✓	3.1 - 8.4 mm	✓	✓	✓

H4SL-MT-DCIL1	In-ceiling mounting adapter for the H5SL and H4SL dome camera
H4SL-MT-NPTA1	NPT adapter for the H5SL and H4SL dome camera
CM-MT-WALL1	Pendant wall mount
H4-DC-CPNL1	Metal ceiling panel
H4-MT-POLE1	Aluminum pole mounting bracket
H4-MT-CRNR1	Aluminum corner mounting bracket
H4-AC-WIFI2-NA / H4-AC-WIFI2-EU	USB Wi-Fi adapter
H4SL-DD-SMOK1	Replacement outdoor smoke dome cover
H4SL-DD-CLER1	Replacement outdoor clear dome cover
H4SL-DI-SMOK1	Replacement indoor smoke dome cover
H4SL-DI-CLER1	Replacement indoor clear dome cover
H4SL-DO1-BASE	Replacement outdoor surface mount adapter
H4SL-D1-BASE	Replacement indoor surface mount adapter