2.0 Megapixel Day/Night JPEG2000 HD Dome Camera

Avigilon's end-to-end surveillance solutions deliver image detail no other system can match. Avigilon Control Center software, featuring High-Definition Stream Management™ (HDSM™) technology combined with our broad range of megapixel cameras (from 1 MP to 29 MP) provide unprecedented clarity—while effectively managing storage and bandwidth requirements. Our components are scalable and can work together in an end-to-end system, or can be customized to create your own powerful and cost-effective solution.

The innovative JPEG2000 HD dome camera is just one way Avigilon can help provide the very best monitoring and protection.

JPEG2000 HD dome cameras and accessories are ideal for indoor and outdoor applications, with an optional heater and built-in IR ring.for more challenging environments. These cameras are vandal resistant and offer high-resolution image detail — effective for monitoring transportation, critical infrastructure and the movement of goods.

*Lens sold separately

KEY FEATURES

2.0 megapixel progressive scan CMOS sensor

18 images per second at full resolution and
39 images per second at 1280 x 720

61 dB true dynamic range

0.2 lux minimum illumination in color mode and
0.02 lux minimum illumination in monochrome mode

Lossless JPEG2000 compression

Automatic exposure control and DC-drive auto iris control

Automatic removable IR cut filter for IR sensitivity at night with an option for integrated IR illumination

Compatible with C and CS mount lenses

Power over Ethernet, 24 VAC or 12 VDC power input
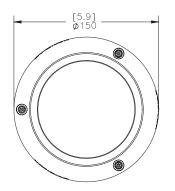
External I/O interface

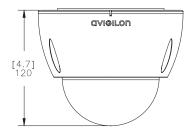Audio input and output

Vandal-resistant construction
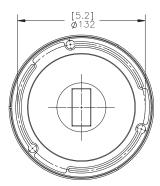
IP66 compliant with outdoor mount

2.0MP-HD-DOME-DN

Specifications

Outline Dimensions

CAMERA		
	Image Sensor	1/2.5" progressive scan CMOS
	Active Pixels	1920 (H) x 1080 (V)
	Imaging Area	6.1 mm (H) x 3.5 mm (V); 0.240" (H) x 0.138" (V)
	Minimum Illumination	0.2 lux (F1.4) in color mode; 0.02 lux (F1.4) in monochrome mode
	Dynamic Range	61 dB
	Lens Mount	CS
	Image Compression Method	JPEG2000
	Image Rate	18 (at full resolution); 39 (at 1280 x 720)
	Resolution Windowing	Down to 640 x 480 Window
	Motion Detection	Selectable sensitivity and threshold
	Electronic Shutter Control	Automatic, Manual (2 to 1/30000 sec)
	Iris Control	Automatic, Manual
	Day/Night Control	Automatic, Manual
	IR Illuminator (Option)	850 nm wavelength, 15 m (50 ft) range maximum
	Flicker Control	50 Hz, 60 Hz
	White Balance	Automatic, Manual
	Backlight Compensation	Automatic
	Privacy Zones	Up to 4 zones
	Audio Compression Method	G.711 PCM 8 khz
	Audio Input/Output	Line input/output, I/O mini-jack (3.5 mm)
	External I/O Terminals	Alarm In, Alarm Out, RS-485
NETWORK	Network	100BASE-TX
	Cabling Type	CAT5
	Connector	RJ-45
	Security	SSL
	Protocol	UDP, TCP, SOAP, DHCP, Zeroconf
MECHANICAL	Dimensions (ØxH)	150 mm x 120 mm; 5.9" x 4.7"
	Weight	0.91 kg (2.0 lbs) without lens
	Dome Bubble	Polycarbonate, clear
	Body	Aluminum
	Housing	Surface mount, vandal resistant
	Finish	Powder coat, cool gray 2
	Adjustment Range	360° pan, 180° tilt, 180° azimuth
ELECTRICAL	Power Source	VDC: 12-24 V VAC: 24 V PoE: IEEE802.3af Class 3 compliant
	Power Consumption	6 W + 5.5 W with heater option + 3.5 W with IR illuminator option
	Power Connector	2-pin terminal block
ENVIRONMENTAL	Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F) -30 °C to +50 °C (-22 °F to 122 °F) with heater option
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)
	Humidity	20 - 80% Relative humidity (non-condensing)
CERTIFICATIONS	Safety	UL 60950 CE CSA 60950 ROHS EN 60950-1 WEEE
	Environmental	IK10 Impact Rating Meets IP66 Weather Rating
	Electromagnetic Emissions	FCC Part 15 Subpart B Class A EN 61000-3-2 IC ICES-003 Class A EN 61000-3-3 EN 55022 Class A EN 61000-6-3
	Electromagnetic Immunity	EN 50130-4 EN 61000-4-5 EN 61000-4-2 EN 61000-4-6 EN 61000-4-3 EN 61000-4-11 EN 61000-4-4
ORDERING INFORMATION	2.0MP-HD-DOME-DN	2.0 Megapixel Day/Night JPEG2000 HD Dome Camera
	2.0MP-HD-DOME-DN-H	2.0 Megapixel Day/Night JPEG2000 HD Dome Camera with Heater
	2.0MP-HD-DOME-DN-IR	2.0 Megapixel Day/Night JPEG2000 HD Dome Camera with IR Illuminator
	2.0MP-HD-DOME-DN-H-IR	2.0 Megapixel Day/Night JPEG2000 HD Dome Camera with Heater and IR Illuminator
	DOME-INDE-PLT	Indoor Electrical Box Mounting Plate
	DOME-IND-CEL	Indoor In-Ceiling Mount
	DOME-OD-BASE	Indoor/Outdoor Mounting Base
	DOME-OD-PEND	Indoor/Outdoor Pendant Mount
	DOME-SMOKE	Replacement smoked transparent cover.

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120

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X	MM

2.0MP-HD-DOME-DN