

2.0 Megapixel Day/Night JPEG2000 HD 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 camera is just one way Avigilon can help provide the very best monitoring and protection.



JPEG2000 HD cameras have real-time HD imaging capability for visually loss-less imaging. This flexible platform accommodates any C/CS mount lens with auto-iris support and day/night functions. These cameras offer high resolution and high image quality, making them effective for monitoring detailed environments such as 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
- 1/2.5" optical format
- Unsurpassed image quality
- Lossless JPEG2000 compression
- Automatic exposure control and DC-drive auto iris control
- Automatic removable IR cut filter for IR sensitivity at night
- Compatible with C and CS mount lenses
- Adjustable lens back focus
- Power over Ethernet, 24 VAC or 12 VDC power input
- External I/O and RS-485 interface

Specifications

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		
	Flicker Control	50 Hz, 60 Hz		
	White Balance	Automatic, Manual		
	Backlight Compensation	Automatic		
	Privacy Zones	Up to 4 zones		
	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 (LxWxH)	85 mm x 67 mm x 53 mm (3.3" x 2.6" x 2.1")		
	Weight	0.53 kg (1.2 lbs) without lens		
	Camera Mount	1/4" UNC-20 (top and bottom)		
ELECTRICAL	Power Source	VDC: 12-24 V VAC: 24 V PoE: IEEE802.3af Class 3 compliant		
	Power Consumption	6 W		
	Power Connector	2-pin terminal block		
ENVIRONMENTAL	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	20 - 80% Relative humidity (non-condensing)		
CERTIFICATIONS	Safety	UL 60950 CSA 60950 EN 60950-1	CE ROHS WEEE	
	Electromagnetic Emissions	FCC Part 15 Subpart B Class A IC ICES-003 Class A EN 55022 Class A	EN 61000-6-3 EN 61000-3-2 EN 61000-3-3	
	Electromagnetic Immunity	EN 50130-4 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4	EN 61000-4-5 EN 61000-4-6 EN 61000-4-11	
ORDERING INFORMATION	2.0MP-HD-DN	2.0 Megapixel Day/Night JPEG2000 HD Camera		

Outline Dimensions

