# 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 accomodates 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	

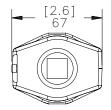
#### CERTIFICATIONS

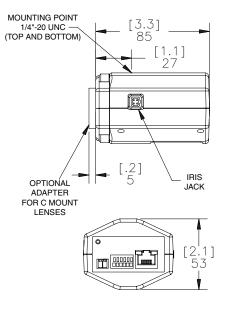
Safety	UL 60950 CSA 60950 EN 60950-1	CE ROHS WEEE
Electromagnetic Emissions	FCC Part 15 Subpart B Class A IC ICES-003 Class A EN 55022 Class A	EN 61000-6-3 EN 61000-3-2 EN 61000-3-3
Eletromagnetic Immunity	EN 50130-4 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4	EN 61000-4-5 EN 61000-4-6 EN 61000-4-11

### ORDERING INFORMATION

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## Outline Dimensions





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