

# 1.0 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

- 1.0 megapixel progressive scan CMOS sensor
- 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
- 1/3" 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	1/3" progressive scan CMOS
Active Pixels	1280 (H) x 720 (V)
Imaging Area	4.1 mm (H) x 2.3 mm (V); 0.162" (H) x 0.091" (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	39 (at full resolution)
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	
1.0MP-HD-DN	1.0 Megapixel Day/Night JPEG2000 HD Camera

# Outline Dimensions

