

Atlas™ IP67

Factory Tough™ IP67 models over 5GBASE-T PoE




- Water and dust protection
- Active Sensor Alignment
- Power over Ethernet (PoE)
- Use existing Cat5e or Cat6 cables
- Up to 600MB/s data transfer rates



5GigE
with Power over Ethernet
+
IP67



Rugged M12 & M8 Connectors



C-mount IP67 Lens Tubes Available

Atlas IP67 Models

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	Chroma	GigE Interface
ATP245S	24.5 MP	5320 x 4600 px	*21.9 fps	Sony IMX540 CMOS	4/3"	2.74 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP204S	20.4 MP	4504 x 4504 px	*26.1 fps	Sony IMX541 CMOS	1.1"	2.74 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP200S	20.0 MP	5472 x 3648 px	17.8 fps	Sony IMX183 CMOS	1"	2.40 µm	Rolling	C-mount	M/C	5GBASE-T, M12
ATP162S	16.2 MP	5320 x 3032 px	*32.9 fps	Sony IMX542 CMOS	1.1"	2.74 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP124S	12.3 MP	4096 x 3000 px	*41.8 fps	Sony IMX545 CMOS	1/1.1"	2.74 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP120S	12.3 MP	4096 x 3000 px	42.5 fps	Sony IMX253 CMOS	1.1"	3.45 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP089S	8.9 MP	4096 x 2160 px	58.5 fps	Sony IMX255 CMOS	1"	3.45 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP081S	8.1 MP	2840 x 2840 px	*60.3 fps	Sony IMX546 CMOS	2/3"	2.74 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP071S	7.1 MP	3208 x 2200 px	74.6 fps	Sony IMX420 CMOS	1.1"	4.5 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP051S	5.0 MP	2448 x 2048 px	*92.3 fps	Sony IMX547 CMOS	1/1.8"	2.74 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP050S	5.0 MP	2448 x 2048 px	98 fps	Sony IMX250 CMOS	2/3"	3.45 µm	Global	C-mount	M/C	5GBASE-T, M12
ATP028S	2.8 MP	1936 x 1464 px	173 fps	Sony IMX421 CMOS	2/3"	4.5 µm	Global	C-mount	M/C	5GBASE-T, M12

*Preliminary value for FPS, subject to change.

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Built-in IP67 protection for dust proof and water resistant operation

Specifications

Interface, Power, and Size Information	
Digital Interface	5GBASE-T, 2.5GBASE-T, 1000BASE-T, 100BASE-TX M12, PoE
GPIO Interface	8 pin M8 connector
Opto-isolated I/O ports	1 input, 1 output
Non-isolated I/O ports	2 bi-directional
Dimensions	60 x 60 x 65 mm
Lens Mount	TFL-mount, C-Mount
Weight	340 g
Power Requirement	PoE (IEEE 802.3af), or 12-24 VDC external
Power Consumption	8.5W via PoE, 8W when powered externally
Ingress Protection	IP67 (For IP67 protection camera must be used with IP67 lens tube and cables)

Standard and Certifications	
Standard	GigE Vision v2.0
Compliance	CE, FCC, RoHS, REACH, WEEE
Storage Temperature	-30 to 60°C
Operating Temperature	-20 to 55°C
Humidity	Operating: 20% ~ 80%, relative, non-condensing
Warranty	3 year

Imaging Properties	
Image Buffer	380 MB
Image Processing	Gain, gamma, black level, white balance, LUT, CCM, pixel correction, hue, saturation, color space conversion
Pixel Formats	Mono8/10/12/16, Bayer8/10/12/16, RGB8, BGR8, YCbCr8, YCbCr411, YUV422, YUV411
Image Modes	Horizontal and vertical binning, decimation, ROI, horizontal and vertical flip
ADC	8, 10, 12 bit
Gain Range	0 dB to 48 dB analog and digital
Exposure Time	359 μs to 10 s

Camera Features	
User Sets	1 default and 2 custom user set
File system size	16 MB
Chunk Data	Frame counter, offset X/Y, width/height, exposure time, gain, black level, line status, sequencer set
Event Data	Acquisition start/end, exposure start/end, line rise/fall, error
Counter & Timer	2 counters and 2 timers
Sequencer	Exposure time, gain
Synchronization	Software trigger, hardware trigger, PTP (IEEE 1588)

C-Mount Models

