

PicSight P142AM-Smart502

Smart GigE camera



Technical specifications	
Interface	Ethernet 1000/100/10 Mb/s
Smart technology	32-bit RISC processor PNX0192/300MHz, 64MB RAM, 32MB Flash memory, real-time operating system, C/C++ compiler, various APIs
Sensor	1/2" CCD, interline transfer, type SONY ICX267
Spectral sensitivity	<p>The graph shows the relative response of the sensor across a range of wavelengths from 400 nm to 1000 nm. The y-axis represents Relative Response (0.0 to 1.0) and the x-axis represents Wave Length (nm) (400 to 1000). The response starts at approximately 0.6 at 400 nm, reaches a peak of about 0.95 at 500 nm, and then gradually declines to near 0 at 1000 nm.</p>
Monochrome/color	monochrome
Output image resolution (H×V)	1392 × 1040 pixels
Full sensor resolution (incl. black pixels)	1434 × 1050 pixels
Frame rate	15 fps
Video format	12-bit, single tap
Scanning	progressive
Pixel size (H×V)	4.65 × 4.65 μm
Sensor size (H×V)	7.6 × 6.2 mm
Shutter	global, 5 μs –60000 ms (default 50 ms)
Operating (trigger) modes	<ul style="list-style-type: none"> • Free running • Triggered mode • Long range exposure mode
Gain & black level	<ul style="list-style-type: none"> • Analog gain: -8 .. 28 dB (default 0 dB) • Digital gain: n/a • Black level: 0 .. 25.5 DN (default 0 DN)
Auto functions	<ul style="list-style-type: none"> • n/a
Area of interest (AOI)	Vertical AOI applicable directly at the sensor
Binning	<ul style="list-style-type: none"> • Vertical: 2×
Decimation	<ul style="list-style-type: none"> • n/a
Mount	C-mount (CS-mount on request)
Dimension	<ul style="list-style-type: none"> • 44.8×31.4×91.7 mm (W×H×L, without connectors) — standard version • 44.8×37.56×96.0 mm (W×H×L, without connectors) — right angle version
Weight	145 g
Power input	10-26V/5W

Ordering information

Ordering number	Product name	Option
170602	PicSight P142AM-Smart502-AS	PNX1502, 300MHz, 64MB-DDR, lens controller, Hirose/SDR-26 connector
170603	PicSight P142AM-Smart502-AS-H	PNX1502, 300MHz, 64MB-DDR, lens controller, Hirose/SDR-26 connector, 90° lens mount
170627	PicSight P142AM-Smart502-PoE-S	PoE, PNX1502, 300MHz, 64MB-DDR, lens controller, Hirose/SDR-26 connector
170628	PicSight P142AM-Smart502-PoE-S-H	PoE, PNX1502, 300MHz, 64MB-DDR, lens controller, Hirose/SDR-26 connector, 90° lens mount

Check latest price list or contact us to learn if more options are available.

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Specifications may change at any time without prior notice

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