

PicSight P83B-GigE-AS

GigE Vision camera



Technical specifications

Interface	Ethernet 1000/100/10 Mb/s
Sensor	1/3" CCD, interline transfer, type SONY ICX204
Spectral sensitivity	<p>The graph shows the relative response of the sensor's color channels across a range of wavelengths from 400 nm to 700 nm. The B channel peaks at approximately 450 nm, the G channel at 550 nm, and the R channel at 650 nm. The y-axis represents Relative Response from 0 to 1.0, and the x-axis represents Wave Length in nm.</p>
Monochrome/color	bayer pattern
Output image resolution (H×V)	1032 × 779 pixels
Full sensor resolution (incl. black pixels)	1077 × 788 pixels
Frame rate	32 fps
Video format	12-bit, single tap
Scanning	progressive
Pixel size (H×V)	4.65 × 4.65 μm
Sensor size (H×V)	5.8 × 4.92 mm
Shutter	global, 5 μs – 60000 ms (default 30 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 16 dB) • Digital gain: n/a • Black level: 0 .. 25.5 DN (default 0 DN)
Auto functions	• n/a
Area of interest (AOI)	Vertical AOI applicable directly at the sensor
Binning	• n/a
Decimation	• 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
141202	PicSight P83B-GigE-AS	Hirose/SDR-26 connector
141203	PicSight P83B-GigE-AS-H	Hirose/SDR-26 connector, 90° lens mount
141227	PicSight P83B-GigE-PoE-S	PoE, Hirose/SDR-26 connector
141228	PicSight P83B-GigE-PoE-S-H	PoE, Hirose/SDR-26 connector, 90° lens mount
141302	PicSight P83B-GigE-AS-RTF	Realtime function, lens controller, Hirose/SDR-26 connector
141303	PicSight P83B-GigE-AS-RTF-H	Realtime function, lens controller, Hirose/SDR-26 connector, 90° lens mount
141327	PicSight P83B-GigE-PoE-S-RTF	PoE, Realtime function, lens controller, Hirose/SDR-26 connector
141328	PicSight P83B-GigE-PoE-S-RTF-H	PoE, Realtime function, 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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