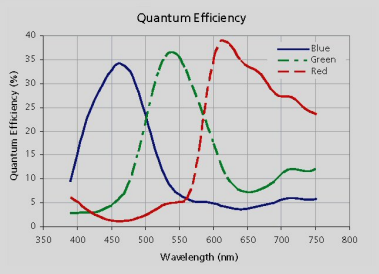


PicSight R312AB-GigE-AS

GigE Vision camera



Technical specifications

Interface	Ethernet 1000/100/10 Mb/s
Sensor	1/2" CMOS, sequential readout, type Aptina MT9T001
Spectral sensitivity	 <p>The graph shows Quantum Efficiency (%) on the y-axis (0 to 40) versus Wavelength (nm) on the x-axis (350 to 800). Three curves are plotted: Blue (solid blue line), Green (dashed green line), and Red (dashed red line). The Blue curve peaks at approximately 35% efficiency around 450 nm. The Green curve peaks at approximately 35% efficiency around 550 nm. The Red curve peaks at approximately 35% efficiency around 650 nm.</p>
Monochrome/color	bayer pattern
Output image resolution (H×V)	2048 × 1536 pixels
Frame rate	12 fps
Video format	10-bit, single tap
Scanning	progressive
Pixel size (H×V)	3.2 × 3.2 μm
Sensor size (H×V)	6.5536 × 4.9152 mm
Shutter	rolling, 28 μs – 520 ms (default 70 ms)
Operating (trigger) modes	<ul style="list-style-type: none">• Free running• Triggered mode• Global reset mode
Gain & black level	<ul style="list-style-type: none">• Analog gain: 0 .. 18.07 dB (default 18 dB)• Digital gain: 0 .. 24.08 dB (default 0 dB)• Black level: -51.2 .. 51 DN (default 0 DN)
Auto functions	<ul style="list-style-type: none">• Automatic black level
Area of interest (AOI)	Horizontal and vertical AOI applicable directly at the sensor
Binning	<ul style="list-style-type: none">• Horizontal: 2× 3×• Vertical: 2× 3×
Decimation	<ul style="list-style-type: none">• Horizontal: 2× 3× 4× 8×• Vertical: 2× 3× 4× 8×
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
441202	PicSight R312AB-GigE-AS	Hirose/SDR-26 connector
441203	PicSight R312AB-GigE-AS-H	Hirose/SDR-26 connector, 90° lens mount
441227	PicSight R312AB-GigE-PoE-S	PoE, Hirose/SDR-26 connector
441228	PicSight R312AB-GigE-PoE-S-H	PoE, Hirose/SDR-26 connector, 90° lens mount
441302	PicSight R312AB-GigE-AS-RTF	Realtime function, lens controller, Hirose/SDR-26 connector
441303	PicSight R312AB-GigE-AS-RTF-H	Realtime function, lens controller, Hirose/SDR-26 connector, 90° lens mount
441327	PicSight R312AB-GigE-PoE-S-RTF	PoE, Realtime function, lens controller, Hirose/SDR-26 connector
441328	PicSight R312AB-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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