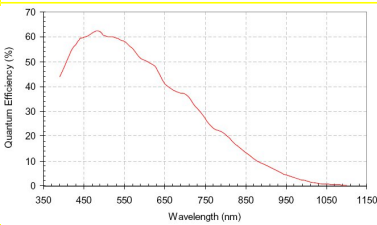


PicSight R502M-GigE-AS

GigE Vision camera



Technical specifications

| | |
|-------------------------------|--|
| Interface | Ethernet 1000/100/10 Mb/s |
| Sensor | 1/2.5" CMOS, sequential readout, type Aptina MT9P031 |
| Spectral sensitivity |  <p>The graph shows Quantum Efficiency (%) on the y-axis (0 to 70) and Wavelength (nm) on the x-axis (350 to 1150). The curve starts at approximately 45% at 350 nm, peaks at about 65% around 450 nm, and then gradually declines to near 0% at 1150 nm.</p> |
| Monochrome/color | monochrome |
| Output image resolution (H×V) | 2592 × 1944 pixels |
| Frame rate | 10 fps |
| Video format | 12-bit, single tap |
| Scanning | progressive |
| Pixel size (H×V) | 2.2 × 2.2 μm |
| Sensor size (H×V) | 5.702 × 4.277 mm |
| Shutter | rolling, 47 μs – 55000 ms (default 10 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 .. 18.06 dB (default 0 dB)• Digital gain: 0 .. 24.08 dB (default 0 dB)• Black level: 0 .. 2.55 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× 4×• Vertical: 2× 4× |
| Decimation | <ul style="list-style-type: none">• Horizontal: 2× 3× 4× 5× 6× 7×• Vertical: 2× 3× 4× 5× 6× 7× 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 |
|-----------------|---------------------------------|--|
| 450202 | PicSight R502M-GigE-AS | Hirose/SDR-26 connector |
| 450203 | PicSight R502M-GigE-AS-H | Hirose/SDR-26 connector, 90° lens mount |
| 450227 | PicSight R502M-GigE-PoE-S | PoE, Hirose/SDR-26 connector |
| 450228 | PicSight R502M-GigE-PoE-S-H | PoE, Hirose/SDR-26 connector, 90° lens mount |
| 450302 | PicSight R502M-GigE-AS-RTF | Realtime function, lens controller, Hirose/SDR-26 connector |
| 450303 | PicSight R502M-GigE-AS-RTF-H | Realtime function, lens controller, Hirose/SDR-26 connector, 90° lens mount |
| 450327 | PicSight R502M-GigE-PoE-S-RTF | PoE, Realtime function, lens controller, Hirose/SDR-26 connector |
| 450328 | PicSight R502M-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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