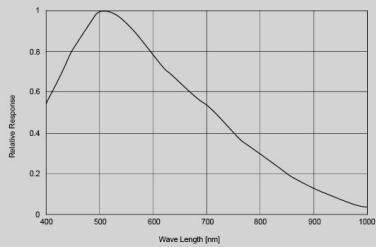


# PicSight P83M-GigE-AS

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 across a range of wavelengths from 400 nm to 1000 nm. The y-axis is labeled 'Relative Response' and ranges from 0 to 1.0. The x-axis is labeled 'Wave Length (nm)' and ranges from 400 to 1000. The curve starts at approximately 0.5 at 400 nm, rises to a peak of 1.0 at 500 nm, and then gradually declines to about 0.1 at 1000 nm.</p> |
| Monochrome/color                            | monochrome   |
| 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"><li>• Free running</li><li>• Triggered mode</li><li>• Long range exposure mode</li></ul>   |
| Gain & black level                          | <ul style="list-style-type: none"><li>• Analog gain: -8 .. 28 dB (default 14 dB)</li><li>• Digital gain: n/a</li><li>• Black level: 0 .. 25.5 DN (default 0 DN)</li></ul>  |
| Auto functions                              | <ul style="list-style-type: none"><li>• n/a</li></ul>  |
| Area of interest (AOI)                      | Vertical AOI applicable directly at the sensor   |
| Binning                                     | <ul style="list-style-type: none"><li>• Vertical: 2×</li></ul>   |
| Decimation                                  | <ul style="list-style-type: none"><li>• n/a</li></ul>  |
| Mount                                       | C-mount (CS-mount on request)  |
| Dimension                                   | <ul style="list-style-type: none"><li>• 44.8×31.4×91.7 mm (W×H×L, without connectors) — standard version</li><li>• 44.8×37.56×96.0 mm (W×H×L, without connectors) — right angle version</li></ul>  |
| Weight                                      | 145 g  |
| Power input                                 | 10-26V/5W  |

## Ordering information

| Ordering number | Product name                   | Option   |
|-----------------|--------------------------------|--|
| 140202          | PicSight P83M-GigE-AS          | Hirose/SDR-26 connector  |
| 140203          | PicSight P83M-GigE-AS-H        | Hirose/SDR-26 connector, 90° lens mount  |
| 140227          | PicSight P83M-GigE-PoE-S       | PoE, Hirose/SDR-26 connector   |
| 140228          | PicSight P83M-GigE-PoE-S-H     | PoE, Hirose/SDR-26 connector, 90° lens mount                                     |
| 140302          | PicSight P83M-GigE-AS-RTF      | Realtime function, lens controller, Hirose/SDR-26 connector                      |
| 140303          | PicSight P83M-GigE-AS-RTF-H    | Realtime function, lens controller, Hirose/SDR-26 connector, 90° lens mount      |
| 140327          | PicSight P83M-GigE-PoE-S-RTF   | PoE, Realtime function, lens controller, Hirose/SDR-26 connector                 |
| 140328          | PicSight P83M-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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