

# PicSight G43AB-GigE-AS

GigE Vision camera



## Technical specifications

<b>Interface</b>	Ethernet 1000/100/10 Mb/s
<b>Sensor</b>	1/3" CMOS, parallel readout, type Aptina MT9V033
<b>Spectral sensitivity</b>	<p>The graph shows the quantum efficiency of the sensor across a range of wavelengths from 350 nm to 1050 nm. The Blue channel (solid blue line) peaks at approximately 450 nm. The Green (B) channel (dotted green line) peaks at approximately 500 nm. The Green (R) channel (dashed green line) peaks at approximately 650 nm. The Red channel (solid red line) peaks at approximately 650 nm. The efficiency for all channels drops significantly after 800 nm.</p>
<b>Monochrome/color</b>	bayer pattern
<b>Output image resolution (H×V)</b>	752 × 480 pixels
<b>Frame rate</b>	64 fps
<b>Video format</b>	10-bit, single tap
<b>Scanning</b>	progressive
<b>Pixel size (H×V)</b>	6 × 6 μm
<b>Sensor size (H×V)</b>	4.512 × 2.88 mm
<b>Shutter</b>	global, 10 μs –1000 ms (default 15 ms)
<b>Operating (trigger) modes</b>	<ul style="list-style-type: none"> <li>• Free running</li> <li>• Triggered mode</li> </ul>
<b>Gain &amp; black level</b>	<ul style="list-style-type: none"> <li>• Analog gain: 0 .. 12.04 dB (default 12 dB)</li> <li>• Digital gain: -12.04 .. 11.48 dB (default 0 dB)</li> <li>• Black level: 0 .. 6.35 DN (default 0 DN)</li> </ul>
<b>Auto functions</b>	<ul style="list-style-type: none"> <li>• Auto exposure</li> <li>• Automatic analog gain control</li> <li>• Automatic black level</li> </ul>
<b>Area of interest (AOI)</b>	Horizontal and vertical AOI applicable directly at the sensor
<b>Binning</b>	• n/a
<b>Decimation</b>	• n/a
<b>Mount</b>	C-mount (CS-mount on request)
<b>Dimension</b>	<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>
<b>Weight</b>	145 g
<b>Power input</b>	10-26V/5W

## Ordering information

Ordering number	Product name	Option
413202	PicSight G43AB-GigE-AS	Hirose/SDR-26 connector
413203	PicSight G43AB-GigE-AS-H	Hirose/SDR-26 connector, 90° lens mount
413227	PicSight G43AB-GigE-PoE-S	PoE, Hirose/SDR-26 connector
413228	PicSight G43AB-GigE-PoE-S-H	PoE, Hirose/SDR-26 connector, 90° lens mount
413302	PicSight G43AB-GigE-AS-RTF	Realtime function, lens controller, Hirose/SDR-26 connector
413303	PicSight G43AB-GigE-AS-RTF-H	Realtime function, lens controller, Hirose/SDR-26 connector, 90° lens mount
413327	PicSight G43AB-GigE-PoE-S-RTF	PoE, Realtime function, lens controller, Hirose/SDR-26 connector
413328	PicSight G43AB-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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