

Cube GigE

Cube6MGE-FGM8



General

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| Model: | Cube6MGE-FGM8 |
| Product code(s): | F006117 |
| Product series: | Cube GigE |
| Status: | Available |

Sensor

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|---------------------------------|----------------------------------|
| Sensor type: | Area scan |
| Chroma: | Mono |
| Spectrum: | Visible |
| Spectral range: | 400 nm to 1000 nm |
| Resolution: | 1,280 × 1,024 (1.30 MP) |
| Sensor model: | ON Semiconductor LUPA1300-2 |
| Sensor architecture (material): | cmos |
| Shutter type(s): | global-shutter |
| Sensor size: | 17.92 × 14.34 mm (22.95 mm, 4/3) |
| Pixel size: | 14.00 μm × 14.00 μm |

Pixel formats

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|---------------------------|-------|
| Sensor bit depth: | 8-Bit |
| Monochrome pixel formats: | mono8 |

Timing and gain

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|----------------------------|---|
| Max. frame rate: | 506 fps |
| Max. frame rate ROI modes: | 1280 x 1024 506 fps, 1280 x 720 719 fps, 1280 x 512 1009 fps, 640 x 480 1870 fps, 512 x 512 2033 fps, 320 x 240 5673 fps, 128 x 100 18612128 fps, 10 x 79536 fps, |
| Exposure time: | 1 μ s (max) |
| Gain: | 0.0 dB to 12.0 dB |

I/Os and power

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| Non-isolated lines: | 0 x LVDS input, 0 x LVDS output 1 x TTL input, 1 x TTL output, 0 x 24V input, 0 x Open drain output |
| Specific non-isolated lines: | 0 x RS232 input, 0 x RS232 output, 0 x RS422 input, 0 x RS422 output |
| Opto-isolated lines: | 4 x Optical isolated input, 0 x Optical isolated Input, |
| Power supply: | 10.5 to 30VDC |
| Power consumption: | External: 15 W (typical at 12 VDC) |

Mechanical properties

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|------------------------------------|---------------|
| Body dimensions (L x W x H in mm): | 119 x 69 x 93 |
| IP class: | IP30 |
| Lens mount(s): | FG-Mount |
| Weight: | 960 g |

Interfaces

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|----------------------|---------|
| Digital interface: | gige |
| Interface connector: | (RJ-45) |

FW features - image control

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|-------------------------|-----------------------------|
| Gain modes: | Digital, Analog |
| White balance modes: | true |
| Image control features: | FW Features - Image Control |

FW features - camera control

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|---------------------|--|
| Trigger modes/sync: | Manual, External analog Voltage, External TTL, Acc |
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