



Prosilica GT

Prosilica GT 2000

Prosilica GT2000 is a 2.2 megapixel camera with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. Prosilica GT2000 is offered in both monochrome and color models. This camera incorporates the high-quality CMOSIS/ams CMV2000 CMOS sensor.

General

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|-----------------|-------------------|
| Model: | Prosilica GT 2000 |
| Product series: | Prosilica GT |
| Status: | Available |

Sensor

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|------------------|---|
| Sensor type: | Area scan |
| Chroma: | Mono or Color |
| Spectrum: | Visible |
| Resolution: | 2,048 × 1,088 (2.20 MP) |
| Sensor model: | CMOSIS/ams CMV2000 |
| Shutter type(s): | Global Shutter |
| Sensor size: | 12.75 mm \varnothing (Type 2/3) |
| Pixel size: | 5.50 μm × 5.50 μm |

Pixel formats

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|----------------------|--|
| YUV pixel formats: | YUV411Packed, YUV422Packed, YUV444Packed |
| RGB pixel formats: | BGR8Packed, BGRA8Packed, RGB8Packed, RGBA8Packed |
| Bayer pixel formats: | BayerGB12, BayerGB12Packed, BayerGB8 |

Imaging performance

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|------------------------------|------|
| Quantum efficiency @ 529 nm: | 75 % |
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Timing and gain

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| Max. frame rate: | 53 fps |
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I/Os and power

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| Non-isolated lines: | 1 input, 2 outputs |
| Specific non-isolated lines: | 1 |
| Opto-isolated lines: | 1 input, 2 outputs |
| Power supply: | 7 to 25 VDC AUX or 802.3at Type 1 PoE |
| Power consumption: | 3.4 W at 12 VDC; 4.2 W PoE |

Operating conditions

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| Operating temperature (housing): | -20 °C to 65 °C ambient (without condensation) |
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Mechanical properties

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| Body dimensions (L x W x H in mm): | 86 × 53 × 33 |
| Weight: | 210 g |

On-board memory and FPGA

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| Image buffer (RAM): | 128 MByte |
| Non-volatile memory (Flash): | 1024 KByte |

Interfaces

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| Digital interface: | IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE) |
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Quantum Efficiency



