



## Prosilica GT

### Prosilica GT 5400

Prosilica GT5400 is a large format camera equipped with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. This camera incorporates the second generation Sony IMX387 Exmor CMOS sensor with Pregius global shutter technology.

#### General

|                |                   |
|----------------|-------------------|
| Model          | Prosilica GT 5400 |
| Product series | Prosilica GT      |
| Status         | Available         |

#### Sensor

|                                |                          |
|--------------------------------|--------------------------|
| Sensor type                    | Area scan                |
| Chroma                         | Mono or Color            |
| Spectrum                       | Visible                  |
| Resolution                     | 5,472 × 3,084 (16.90 MP) |
| Sensor model                   | Sony IMX387              |
| Sensor architecture (material) | CMOS                     |
| Shutter type(s)                | Global Shutter           |
| Sensor size                    | 22.66 mm ø (Type 4/3)    |
| Pixel size                     | 3.45 µm × 3.45 µm        |

#### Pixel formats

|                          |                                          |
|--------------------------|------------------------------------------|
| Sensor bit depth         | 12-bit                                   |
| Monochrome pixel formats | Mono8, Mono12Packed, Mono12              |
| YUV pixel formats        | YUV411Packed, YUV422Packed, YUV444Packed |
| RGB pixel formats        | RGB8Packed, BGR8Packed                   |
| Bayer pixel formats      | BayerRG8, BayerRG12, BayerRG12Packed     |

#### Imaging performance

|                             |      |
|-----------------------------|------|
| Quantum efficiency @ 529 nm | 64 % |
|-----------------------------|------|

## Timing and gain

|                 |       |
|-----------------|-------|
| Max. frame rate | 7 fps |
|-----------------|-------|

## I/Os and power

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| 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 IEEE 802.3at Type 1 PoE                   |
| Power consumption           | External power: 5.2 W at 12 VDC   Power over Ethernet: 6.4 W |

## Operating conditions

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Operating temperature (housing) | -20 °C to 50 °C (housing (without condensation)) |
|---------------------------------|--------------------------------------------------|

## Mechanical properties

|                                   |              |
|-----------------------------------|--------------|
| Body dimensions (L x W x H in mm) | 96 × 66 × 53 |
| Weight                            | 372 g        |

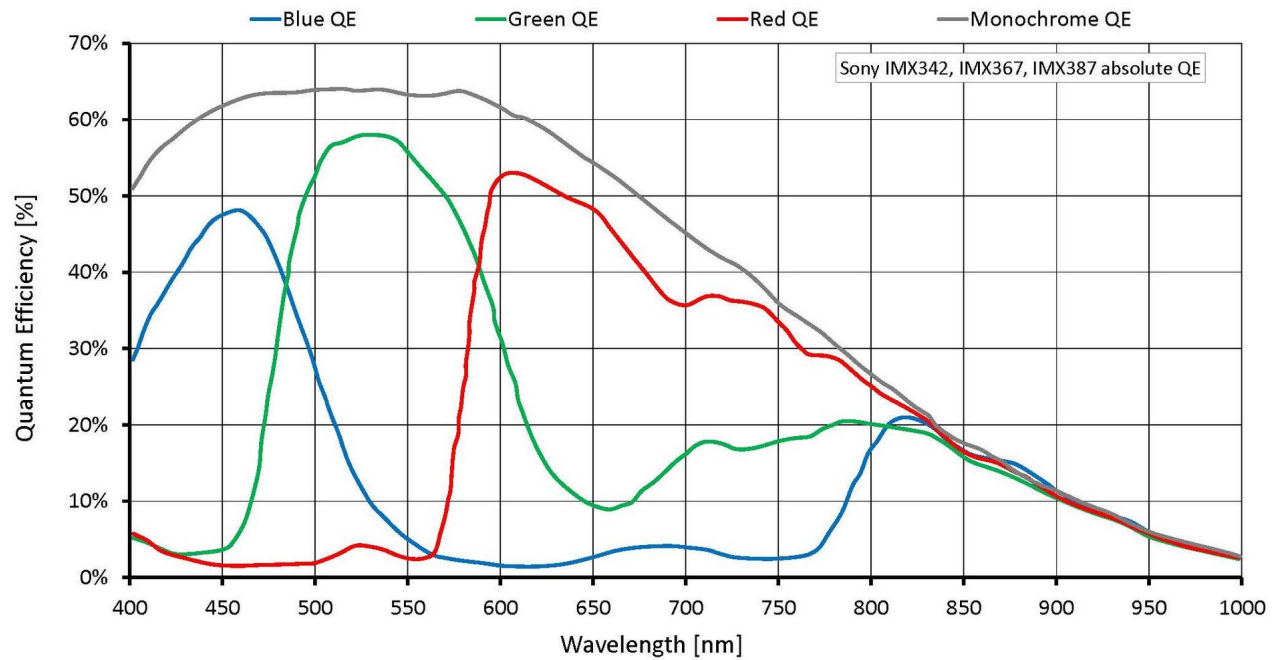
## On-board memory and FPGA

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

## Interfaces

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

## Quantum Efficiency



## Technical Drawing

