



**GEN<I>CAM**



Distribution in the UK & Ireland



**Lambda**

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## sensor information

|               |                             |
|---------------|-----------------------------|
| sensor        | ON Semiconductor PYTHON1300 |
| type          | 1/2" progressive scan CMOS  |
| resolution    | 1280 × 1024 px              |
| exposure time | 0,04 ... 1000 ms            |
| pixel size    | 4.8 × 4.8 µm                |

## acquisition formats

|                 |                                           |
|-----------------|-------------------------------------------|
| image formats,  | Full Frame, 1280 × 1024 px, max. 61,0 fps |
| frame rate max. | Binning 2×2, 640 × 512 px, max. 61,0 fps  |
|                 | Binning 2×1, 640 × 1024 px, max. 61,0 fps |
|                 | Binning 1×2, 1280 × 512 px, max. 61,0 fps |

|               |        |
|---------------|--------|
| pixel formats | Mono8  |
|               | Mono10 |

## image pre-processing

|                 |                              |
|-----------------|------------------------------|
| analog controls | Gain (0 ... 12 dB)           |
|                 | Offset (0 ... 63 LSB 10 Bit) |

|              |      |
|--------------|------|
| color models | Mono |
|--------------|------|

## interfaces and connectors

|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| data interface    | Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type |
| process interface | M8 / 4 pins (SACC-DSI-M 8MS-4CON-L180)                                                                                                          |
| power supply      | M8 / 4 pins                                                                                                                                     |

## mechanical data

|            |                                        |
|------------|----------------------------------------|
| material   | zinc die casting, nickel-plated, IP 40 |
| lens mount | CS-Mount                               |
| width      | 29 mm                                  |
| height     | 29 mm                                  |
| depth      | 49 mm                                  |
| weight     | ≤ 120 g                                |

## electrical data

|                   |                                   |
|-------------------|-----------------------------------|
| power consumption | approx. 2,2 W @ 12 VDC and 61 fps |
|-------------------|-----------------------------------|

## environmental conditions

|                       |                                               |
|-----------------------|-----------------------------------------------|
| operating temperature | +5 ... +65 °C @ temperature measurement point |
| humidity              | 10 ... 90 % (non-condensing)                  |
| protection class      | IP 40                                         |

## digital I/Os

|       |               |
|-------|---------------|
| lines | 1 input line  |
|       | 1 output line |

## dimension drawing

