

VLG-40C.I

Gigabit Ethernet, 4,0 Megapixel, Color

Article number: 11104903

Overview

- 2040 × 2044 px
- ams (CMOSIS) CMV4000
- 1" CMOS
- 29 fps
- Gigabit Ethernet



GEN*i*CAM



Technical data

Sensor information

| | |
|---------------|----------------------|
| Sensor | ams (CMOSIS) CMV4000 |
| Mono/Color | Color |
| Sensor type | 1" CMOS |
| Shutter type | Global shutter |
| Resolution | 2040 × 2044 px |
| Pixel size | 5.5 × 5.5 µm |
| Exposure time | 0.02 ... 1000 ms |

Acquisition formats

| | |
|--|---|
| Image formats, interface frame rate max. | Full Frame, 2040 × 2044 px, max. 29 fps |
| Pixel formats | Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed |

Image preprocessing

| | |
|------------------|---|
| Analog controls | Gain (0 ... 18 dB) Offset (0 ... 255 LSB 12 Bit) |
| Color models | RGB YUV Mono |
| Color processing | Integrated color processor for high quality color calculation |

Camera features

| | |
|-----------------------|---|
| Synchronization | free running trigger |
| Trigger sources | Hardware Software ActionCommand |
| Trigger delay | 0 ... 2 sec, tracking and buffering of up to 512 trigger signals |
| Sequencer | Automated control for series of images using different sets of parameters |
| Sequencer parameter | Exposure time gain factor Output ROI Offset x ROI Offset y |
| Digital inputs | 1 input line |
| Digital outputs | 3 output lines |
| Internal image buffer | 120 MB |

Interfaces and connectors

| | |
|----------------------------------|--|
| Data interface | Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Fast Ethernet, Transfer Rate 100 Mbits/sec, Connector: SACC-CI-M12FS-8CON-L180-10G |
| Process interface / power supply | SACC-CI-M12MS-8CON-SH TOR 32 / 8 pins |

Mechanical data

| | |
|------------|---------|
| Lens mount | C-mount |
| Width | 46 mm |
| Height | 46 mm |

VLG-40C.I

Gigabit Ethernet, 4,0 Megapixel, Color

Article number: 11104903

Technical data

Mechanical data

| | |
|----------|---------------------------------|
| Depth | 49.8 mm |
| Weight | ≤ 185 g ≤ 220 g (incl. tube) |
| Material | aluminum, IP 65 / 67 |

Electrical data

| | |
|--------------------------|--|
| Voltage supply range +Vs | 12 ... 24 V DC (external power supply) 36 ... 57 V DC (Power over Ethernet) |
| Power consumption | approx. 3,6 W @ 12 VDC and 29,0 fps approx. 3,7 W @ 48 VDC (PoE) and 23,5 fps |

Non-volatile memory

| | |
|-------------------|--------|
| Flash memory size | 128 kB |
|-------------------|--------|

Environmental conditions

| | |
|-----------------------|---------------|
| Operating temperature | +5 ... +50 °C |
|-----------------------|---------------|

Environmental conditions

| | |
|------------------|---|
| Humidity | 10 ... 90 % (non-condensing) |
| Protection class | IP 40 IP 54 (with mounted tube and cable) IP 65 (with mounted tube and cable) IP 67 (with mounted tube and cable) IP 69K (with stainless steel housing accessory) |

Digital I/Os

| | |
|-------|--------------------------------|
| Lines | 1 input line 3 output lines |
|-------|--------------------------------|

Conformity

| | |
|------------|------------|
| Conformity | CE RoHS |
|------------|------------|

Dimension drawing

