



GIG VISION **GEN<i>i</i>CAM**



sensor information

| | |
|---------------|---------------------------|
| sensor | CMOSIS CMV20000 |
| type | 35 mm global shutter CMOS |
| resolution | 5120 × 3840 px |
| exposure time | 0,19 ... 1000 ms |
| pixel size | 6.4 × 6.4 μm |

acquisition formats

| | |
|--------------------------------|---|
| image formats, frame rate max. | Full Frame, 5120 × 3840 px, max. 12,0 fps Binning 2×2, 2560 × 1920 px, max. 12,0 fps Binning 1×2, 5120 × 1920 px, max. 12,0 fps Binning 2×1, 2560 × 3840 px, max. 12,0 fps |
|--------------------------------|---|

| | |
|---------------|----------------------------------|
| pixel formats | Mono8 Mono12 Mono12 Packed |
|---------------|----------------------------------|

image pre-processing

| | |
|-----------------|---|
| analog controls | Gain (0 ... 12 dB) Offset (0 ... 255 LSB 12 Bit) |
|-----------------|---|

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

interfaces and connectors

| | |
|----------------|---|
| data interface | Dual Gigabit Ethernet, Transfer rate 2000 Mb/s/sec, Connector: 2 x 8P8C Modular Jack (RJ45), screwable type |
|----------------|---|

| | |
|-------------------|-------------|
| process interface | M8 / 8 pins |
|-------------------|-------------|

| | |
|--------------|-------------|
| power supply | M8 / 8 pins |
|--------------|-------------|

mechanical data

| | |
|------------|---|
| material | housing: aluminum |
| lens mount | M58-mount (F-mount, M42, C-mount via adapter) |
| width | 60 mm |
| height | 60 mm |
| depth | 54,25 mm |
| weight | ≤ 290 g (M58-mount) |

electrical data

| | |
|----------------|--|
| voltage supply | 12 ... 24 V DC (external power supply) |
| range +Vs | 36 ... 57 V DC (Power over Ethernet) |

electrical data

| | |
|-------------------|--|
| power consumption | approx. 6,5 W @ 24 VDC approx. 6,5 W @ 48 VDC (PoE) |
|-------------------|--|

environmental conditions

| | |
|-----------------------|------------------------------|
| operating temperature | +5 ... +50 °C |
| humidity | 10 ... 90 % (non-condensing) |
| protection class | IP 40 |

dimension drawing

