

overview

- 656 × 490 px
- Sony ICX618
- 1/4" CCD
- 140 fps
- Gigabit Ethernet
- Phase-Out starting 04/19, alternative via sales



technical data

sensor information

| | |
|---------------|--------------------|
| sensor | Sony ICX618 |
| resolution | 656 × 490 px |
| exposure time | 0,004 ... 60000 ms |
| color filter | RGB Bayer Mosaic |
| pixel size | 5.6 × 5.6 µm |
| shutter type | Global shutter |
| sensor type | 1/4" CCD |

acquisition formats

| | |
|--|--|
| image formats, interface frame rate max. | Full Frame, 656 × 490 px, max. 140 fps Full Frame HQ, 656 × 490 px, max. 70 fps |
| pixel formats | BayerRG8 BayerRG12 Mono8 YUV411 Packed YUV422 Packed YUV444 Packed BGR8 Packed |

image preprocessing

| | |
|------------------|---|
| analog controls | Gain (0 ... 20 dB) Offset (0 ... 1023 LSB 14 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 |
| digital inputs | 1 input line (with Debouncer) |
| digital outputs | 1 output line |
| internal image buffer | 32 MB |

interfaces and connectors

| | |
|-------------------|---|
| data interface | Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), screwable type |
| process interface | M8 / 4 pins |
| power supply | M8 / 3 pins |

mechanical data

| | |
|------------|-------------------|
| lens mount | C-mount |
| width | 36 mm |
| height | 36 mm |
| depth | 48 mm |
| weight | ≤ 90 g |
| material | housing: aluminum |

electrical data

| | |
|--------------------------|---------------|
| voltage supply range +Vs | 8 ... 30 V DC |
| power consumption | approx. 3,6 W |

technical data

environmental conditions

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

conformity

| | |
|------------|------|
| conformity | CE |
| | RoHS |
| | FCC |
| | UL |
| | EAC |

dimension drawing

