

Overview

- PROFINET and EtherNet/IP interface integrated
- FEX image processor
- FEXLoc 360° part location
- ColorFEX intelligent 3D color assistant
- Flexible result conjunction
- Download VeriSens Application Suite: www.baumer.com/vs-sw



Picture similar



Technical data

General data

| | |
|---------------------------|--|
| Resolution | 752 × 480 px |
| Sensor type | 1/3" CMOS, color |
| Illumination | integrated, LED white |
| LED class | risk group 1 (low risk, EN 62471:2008) |
| High-resolution mode | max. 50 inspections per second |
| Object distance min. | 100 mm |
| Object distance max. | 300 mm |
| Number of jobs (products) | ≤ 255 |
| Features per job | 32 |
| Signal processing | Baumer FEX® 4.0 |
| Defect image memory | 32 |
| Lens | 16 mm |

Electrical data

| | |
|---------------------------------------|---|
| Nominal voltage power supply | 24 V ±25 % |
| Nominal voltage power supply (add-on) | Class 2 according to NEC / protection class III |
| Nominal voltage power supply (info) | The device is intended for supply from an isolated limited power source according to UL61010-1, 3rd ed cl. 9.4 or a limited energy source according to UL60950-1 or Class 2 according to NEC. |
| Power consumption | Max. 18 W (with I/O) |
| Inputs | 8 ... 30 V (polarity protected) |

Electrical data

| | |
|-------------------|--|
| Digital inputs | 5 inputs trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz |
| Outputs | PNP $I_{peak} = 100 \text{ mA}$ and $I_{eff} = 50 \text{ mA}$ (short-circuit proof) |
| Digital outputs | 5 outputs Pass / Fail Flash Sync Alarm Camera Ready Output Enable |
| Initial setup | Ethernet (10BASE-T / 100BASE-TX) |
| Process interface | PROFINET (CC-A) EtherNet/IP™ TCP/UDP (Ethernet) |
| Visualization | configurable web interface with <i>Mul-tiViewer</i> function |

Mechanical data

| | |
|----------|--|
| Width | 53 mm |
| Height | 99.5 mm |
| Depth | 38 mm |
| Weight | ≤ 250 g |
| Material | housing: aluminum cover glass: PMMA |

Technical data

Environmental conditions

| | |
|-----------------------------|---------------------------------------|
| Operating temperature | +5 ... +60 °C @ T = measurement point |
| Storage temperature | -20 ... +70 °C |
| Humidity | 0 ... 90 % (non-condensing) |
| Protection class | IP 67 |
| Vibration load | IEC 60068-2-6 IEC 60068-2-64 |
| Mechanical shock resistance | EN 60068-2-27 |

Feature checks

| | |
|---------------|--|
| Part location | part location on contours part location on edges part location on circle part location on text line |
| Geometry | Distance circle angle count edges point position edge characteristics |

Feature checks

| | |
|--------------------|---|
| Feature comparison | count contour points contour comparison brightness contrast area size count areas pattern comparison color identification color positioning |
|--------------------|---|

Conformity

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

Non-volatile memory

| | |
|-------------------|------------------------------------|
| Flash memory size | 2000 Mbit Flash S34ML02G100BH10000 |
|-------------------|------------------------------------|

Electrical connection



| | |
|----------------------|----------|
| 1: PWR (+18-30 V DC) | 7: OUT3 |
| 2: Ground | 8: IN3 |
| 3: IN1 (Trigger) | 9: OUT4 |
| 4: OUT1 | 10: IN4 |
| 5: IN2 | 11: IN5 |
| 6: OUT2 | 12: OUT5 |



| | |
|--------|--------|
| 1: TD+ | 3: TD- |
| 2: RD+ | 4: RD- |

Dimension drawing

