



features

- User management
- Password protection
- Backup & Restore function
- Coordinate transformation
- flexible result conjunction



general data

| | |
|--------------------------------------|--|
| resolution | 752 × 480 px |
| sensor type | 1/3" CMOS, monochrome |
| LED class | risk group 1 (low risk, EN 62471:2008) |
| high-resolution mode | max. 50 inspections per second |
| high-speed mode (limited resolution) | max. 100 inspections per second |
| object distance min. | 70 mm |
| number of jobs (products) | ≤ 255 |
| features per job | 32 |
| defect image memory | 32 |
| signal processing | Baumer FEX® 4.0 |
| illumination | integrated, LED white |
| lens | 16 mm |

electrical data

| | |
|--------------------------|---|
| voltage supply range +Vs | 18 ... 30 V DC |
| power consumption | typical 5 W ($I_{max} = 1$ A at 24 V) |
| digital inputs | 5 inputs (8 ... 30 V) trigger job selection external teach-in encoders (CH-A, CH-B) 500 kHz |
| digital outputs | 5 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable |
| initial setup | Ethernet (10BASE-T / 100BASE-TX) |
| process interface | TCPIUDP (Ethernet) |
| visualization | web interface |

mechanical data

| | |
|----------|--|
| width | 53 mm |
| height | 99,5 mm |
| depth | 38 mm |
| material | housing: aluminum cover glass: PMMA |
| weight | ≤ 250 g |

environmental conditions

| | |
|-----------------------------|---------------------------------|
| operating temperature | +5 ... +50 °C |
| storage temperature | -20 ... +70 °C |
| case temperature | max. +50 °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 comparison | count contour points contour comparison brightness contrast area size count areas pattern comparison |

electrical connection M12 / 12-pin (on device)



| | |
|----------------------|----------|
| 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 |

Ethernet connection M12 / 4-pin (on device)



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

dimension drawing

