

VS ID110M03I10EP

ID110

Article number: 11089896

overview

- User management
- Password protection
- Backup & Restore function
- Download *VeriSens*® Application Suite: www.baumer.com/vs-sw
- available



technical data

general data

| | |
|---------------------------|---------------------------------------|
| resolution | 752 × 480 px |
| sensor type | 1/3" CMOS, monochrome |
| illumination | integrated, LED infrared (860 nm) |
| LED class | free group (risk free, EN 62471:2008) |
| high-resolution mode | max. 50 inspections per second |
| object distance min. | 50 mm |
| number of jobs (products) | ≤ 255 |
| features per job | 32 |
| signal processing | Baumer <i>FEX</i> ® 3.5 |
| defect image memory | 32 |
| lens | 10 mm |

electrical data

| | |
|--------------------------|---|
| voltage supply range +Vs | 18 ... 30 V DC |
| power consumption | typical 5 W ($I_{max} = 1 \text{ A at } 24 \text{ V}$) |
| 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 | TCP/UDP (Ethernet) |

electrical data

| | |
|---------------|---------------|
| visualization | web interface |
|---------------|---------------|

mechanical data

| | |
|----------|--|
| width | 53 mm |
| height | 99,5 mm |
| depth | 38 mm |
| weight | ≤ 250 g |
| material | housing: aluminum cover glass: PMMA, integrated daylight filter (780 nm) |

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 |

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technical data

code types

| | |
|-------------|---|
| barcode | 2/5 Industrial 2/5 Interleaved Codabar Code 39 Code 93 Code 128 PharmaCode EAN 8 EAN 13 UPC-A UPC-E GS1 DataBar GS1 128 |
| matrix code | DataMatrix (ECC 200) GS1-DataMatrix QR-Code PDF417 |

code types

| | |
|------|---|
| font | many font styles (recommended: sans serif, proportional) Dot Matrix characters: A-Z a-z 0-9 + - . : / () |
|------|---|

feature checks

| | |
|--------------------|--------------------------------|
| part location | part location on text line |
| feature comparison | contour comparison |
| identification | barcode matrix code text |

conformity

| | |
|------------|------------|
| conformity | CE RoHS |
|------------|------------|

non-volatile memory

| | |
|-------------------|----------------------------------|
| flash memory size | 256 Mbit Flash S29GL256P10FFI010 |
|-------------------|----------------------------------|

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

