



**features**

- User management
- Password protection
- Backup & Restore function



**general data**

resolution	752 × 480 px
sensor type	1/3" CMOS, monochrome
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
defect image memory	32
signal processing	Baumer FEX® 3.5
illumination	integrated, LED infrared (860 nm)
lens	10 mm

**electrical data**

voltage supply range +Vs	18 ... 30 V DC
power consumption	typical 5 W (I <sub>max</sub> = 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	3 outputs (PNP) Pass / Fail Flash Sync Alarm Camera Ready Output Enable
initial setup	Ethernet (10BASE-T / 100BASE-TX)
process interface	TCP UDP (Ethernet) / RS485 (supports VeriSens® Gateways)
visualization	web interface

**mechanical data**

width	53 mm
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**mechanical data**

height	99,5 mm
depth	38 mm
material	housing: aluminum cover glass: PMMA, integrated daylight filter (780 nm)
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

**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

The product characteristics and technical data provided do not express or imply any warranty. Technical modifications and errors reserved.

**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

**electrical connection M12 / 12-pin (on device)**



1: PWR (+18-30 V DC)	7: OUT3
2: Ground	8: IN3
3: IN1 (Trigger)	9: RS485+
4: OUT1	10: IN4
5: IN2	11: IN5
6: OUT2	12: RS485-

**Ethernet connection M12 / 4-pin (on device)**



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

**dimension drawing**

