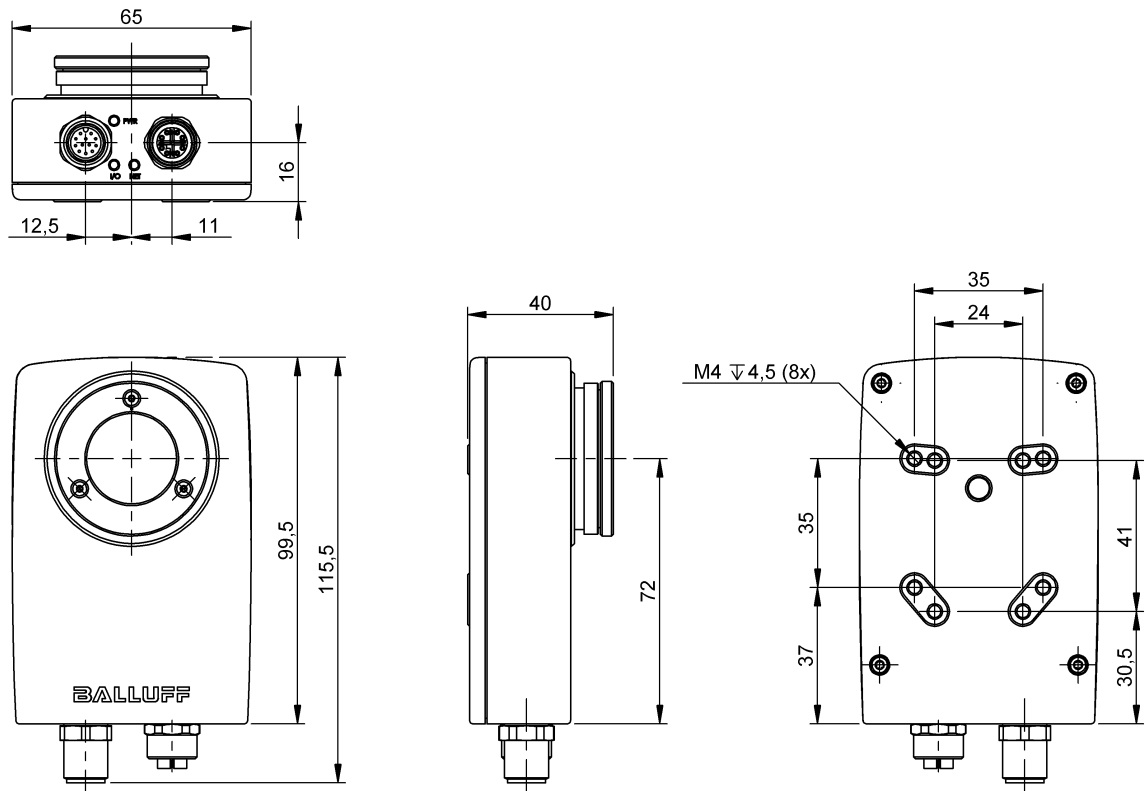




Basic features

Application	Object tracking code+text analysis Object verification
Approval/Conformity	CE EAC WEEE
Frame rate	max. 60 fps
Image resolution	1280 x 1024 pixels
Pixel size	5.3 x 5.3 μm
Sensor type Vision	CMOS 1/1.8" monochrome global shutter
Version	SmartCamera for standard applications

Electrical data

No-load current I_0 max. at U_e	180 mA
Operating voltage U_b	19.2...26 VDC
Output current max.	200 mA
Rated operating voltage U_e DC	24 V

Environmental conditions

Ambient temperature	0...55 °C
EN 60068-2-27, Shock	100 G, half-sine, 1000 pos., 1000 neg., X, Y, Z
EN 60068-2-6, Vibration	15 G, 10 - 500 Hz, 5h X, Y, Z
IP rating	IP67, with protective tube
Storage temperature	-25...70 °C

Electrical connection

Connection 1	M12x1-Flange male, 12-pin, A-coded
Connection 2	M12x1-Flange socket, 8-pin, X-coded
Polarity reversal protected	yes
Short-circuit protection	yes

Functional Characteristics

2D codes	Aztec Code
	Data Matrix ECC 200
	GS1 Aztec Code
	GS1 Data Matrix
	GS1 QR Code
	Micro QR Code
Barcodes	PDF 417
	QR code
	GS1 Databar, GS1-128, UPC-A,
	UPC-E, EAN-8, EAN-13, 2/5
	Industrial, 2/5 Interleaved,
	Codabar, Code 128, Code 39,
Data storage	Code 93, MSI, UPC-A, UPC-E
	4 GB NAND Flash, 1 GB SDRAM
MTTF (40 °C)	11.7 a

Material

Housing material	Aluminum, Painted
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Mechanical data

Dimension	65 x 40 x 99.5 mm
Lens mount	C-Mount
Mounting part	Screw M4
Weight	275 g

Output/Interface

Interface	LAN (Gigabit Ethernet) Ethernet TCP/UDP RS232
Switching output	6x IO configurable

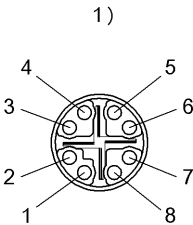
Remarks

Not included in scope of delivery: Protective tube, camera lens, filter, light, connection cable
see www.balluff.com

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

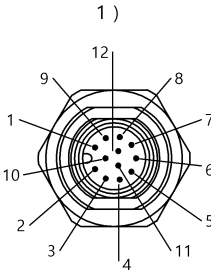
Connector Drawings



1) View towards connector
2) Socket 8-pin/ Function

2) LAN

1	BI	DA+
2	BI	DA-
3	BI	DB+
4	BI	DB-
5	BI	DD+
6	BI	DD-
7	BI	DC-
8	BI	DC+



1) View towards connector
2) Male 12-pin/ Function

2) Power-I/O

1	PWR_IN
2	GND
3	RS232 RX
4	RS232 TX
5	I/O1
6	I/O_GND
7	I/O0
8	I/O2
9	I/O3
10	I/O4
11	I/O5
12	N.C.