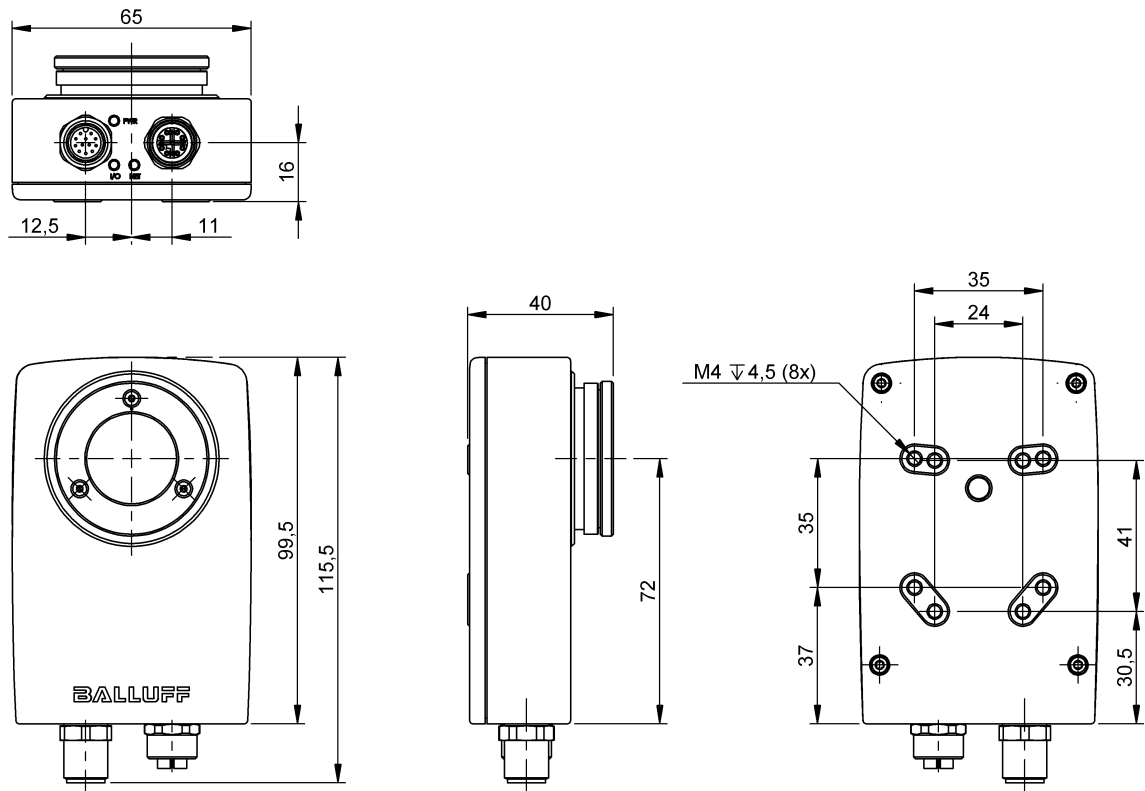




Basic features

Application	Object tracking code+text analysis
Approval/Conformity	CE EAC WEEE
Version	SmartCamera for identification

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

Electrical data

Data storage	4 GB NAND Flash, 1 GB SDRAM
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
Ripple max. (% of U_e)	5 %

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

Functional Characteristics

2D codes	Aztec Code
	Data Matrix ECC 200
	GS1 Aztec Code
	GS1 Data Matrix
	GS1 QR Code
	Micro QR Code
	PDF 417
Barcodes	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,
	Code 93, MSI, UPC-A, UPC-E

Functional safety

MTTF (40 °C)	11.7 a
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Material

Housing material	Aluminum, Painted
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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.

Mechanical data

Dimension	65 x 40 x 99.5 mm
Mounting part	Screw M4
Weight	275 g

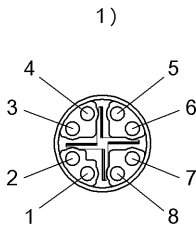
Optical features

Frame rate	max. 60 fps
Image resolution	1280 x 1024 pixels
Sensor type Vision	CMOS 1/1.8" monochrome global shutter

Output/Interface

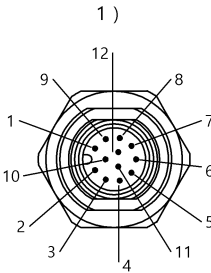
Interface	LAN (Gigabit Ethernet) Ethernet TCP/UDP RS232
Switching output	6x IO configurable

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.