

### Basic features

<b>Application</b>	Object inspection Object detection Range Barcode-, 2D-, OCR identification
<b>Approval/Conformity</b>	CE EAC WEEE
<b>Frame rate</b>	max. 60 fps
<b>Image resolution</b>	1280 x 1024 pixels
<b>Pixel size</b>	5.3 x 5.3 µm
<b>Sensor type Vision</b>	CMOS 1/1.8" monochrome global shutter
<b>Version</b>	SmartCamera for standard applications

### Electrical data

<b>No-load current I<sub>o max.</sub> at U<sub>e</sub></b>	180 mA
<b>Operating voltage U<sub>b</sub></b>	19.2...26 VDC
<b>Output current max.</b>	200 mA

### Environmental conditions

<b>Ambient temperature</b>	0...55 °C
<b>IP rating</b>	IP67 with protection tube
<b>Storage temperature</b>	-25...70 °C

### Electrical connection

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

## Functional Characteristics

<b>2D codes</b>	Aztec Code Data Matrix ECC 200 GS1 Aztec Code GS1 Data Matrix GS1 QR Code Micro QR Code PDF 417 QR code
<b>Barcodes</b>	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
<b>Data storage</b>	4 GB RAM, 1 GB SDRAM
<b>MTTF (40 °C)</b>	11.7 a

## Material

<b>Housing material</b>	Aluminum, Painted
<b>Housing material, surface protection</b>	Painted

## Mechanical data

<b>Dimension</b>	65 x 40 x 99.5 mm
<b>Lens mount</b>	C-Mount
<b>Mounting</b>	Screw M4
<b>Weight</b>	275 g

## Output/Interface

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

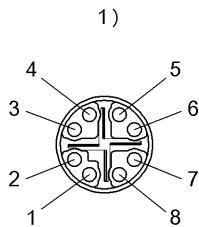
## Remarks

Not included in scope of delivery: Protective tube, camera lens, filter, light, connection cable  
 see [www.balluff.com](http://www.balluff.com)

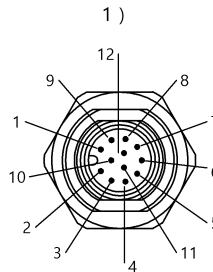
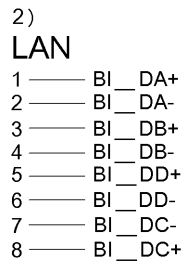
For more information about MTTF and B10d see MTTF / B10d Certificate

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



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

