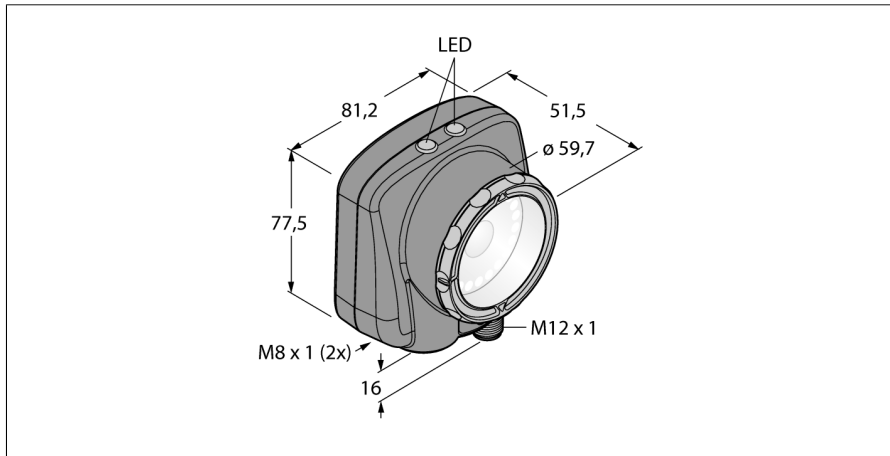


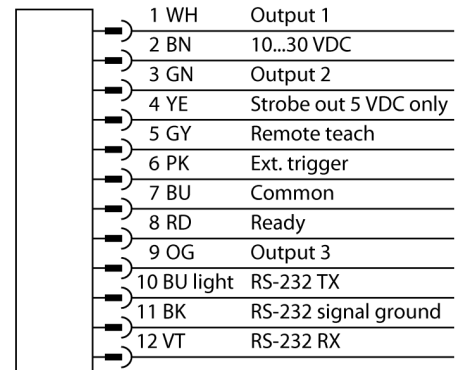
Vision Systems
BCR
IVU2PTB625



- Second iVu generation
- Internal memory for 30 inspections
- 1/3" CMOS, 752x480 pixels
- Integrated ring light: UV light (365 nm)
- Protection class IP67
- External strobe output + 5 VDC
- External trigger input
- Lens, 25mm, M12x1
- Display: Integrated 65.5 mm LCD color display, 320 x 240 transreflective
- Operating voltage 10...30 VDC
- M12 x 1 male, 12-pin
- Three PNP/NPN switching outputs, selectable via software
- USB 2.0 host: M8 female, 4-pin
- Ethernet via M8 x 1 male, 4-pin
- Industrial Ethernet: PROFINET, EtherNet/IP, Modbus/TCP, PCCC

Type designation	IVU2PTB625
Ident no.	3090891
Function	BCR
Resolution	752 x 480 Pixels
Light type	UV
Brennweite	25 mm
Design	Rectangular, iVu PLUS
Dimensions	51.5 x 81.2 x 95.3 mm
Housing material	Plastic, Thermoplastic
Window material	Acrylic, clear
Electrical connection	Connectors, M12 x 1, 12-wire
Protection class	IP67
Ambient temperature	0...+50 °C
Operating voltage	10...30 VDC
DC rated operational current	≤ 1000 mA
Communication protocol	EtherNet/IP™ Modbus TCP PCCC PROFINET RS232
Output function	12-wire

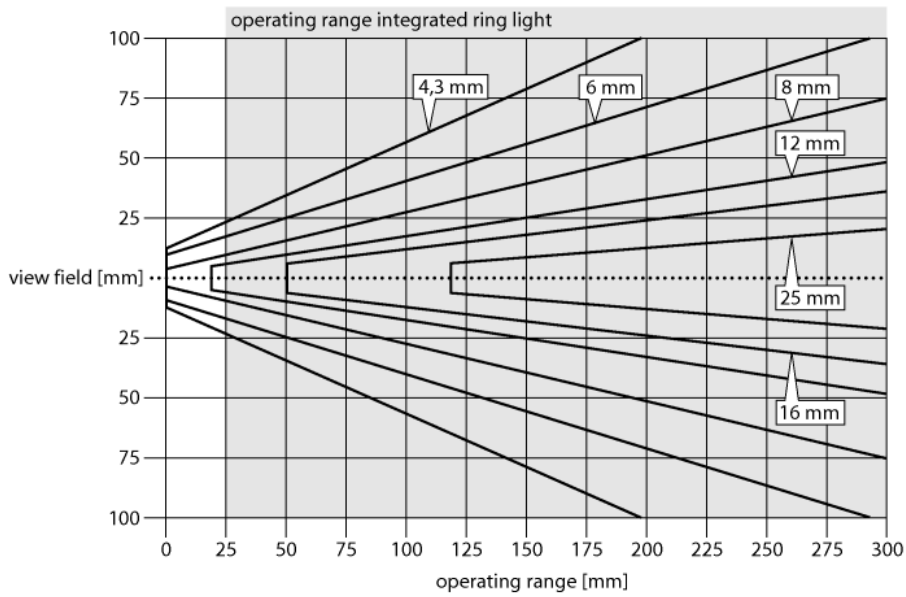
Wiring Diagram



Functional principle

The second generation of the iVu-Plus offers the user advanced features and even more options in the selection of the inspections. The sensor is equipped with the same housing and offers the same intuitive user interface and functionality of the previous iVu generation. The barcode reader consists of a camera and an integrated light (except the IVU2TBX version) able to scan up to 10 different barcodes and to transmit the data via the RS232 interface. A selection can be configured for certain barcode types such as DataMatrix (ECC 200) and a number of linear codes such as Code128, Code39, CODABAR, Interleaved 2 of 5, EAN13, EAN8, UPCE, Postnet, IMB and Pharmacode. The possibility to select between coarse and fine resolution is available with the new generation. Sensor configuration via PC is not required! Log files and firmware updates can be transmitted via the USB interface.

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Selecting the focal length

With known object size or scan field the matching vision sensor is found simply by determining the ratio between the sensing range and the focal length. Use the graphics for selection. Here, the sensing ranges are put in relation to the field view and the lens focal length.

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Accessories

Type code	Ident no.	Description	Dimension drawing
SMBIVURAR	3082547	Brackets for mounting on right side	
SMBIVURAL	3082546	Brackets for mounting on left side	
SMBIVUU	3082549	U-bracket for base mounting (incl. SMBIVUB baseplate)	