

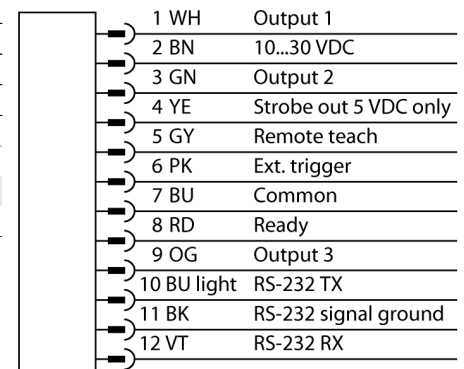
Barcode Reader — Image Sensor IVU2PTBI12



Type	IVU2PTBI12
ID	3090870
Camera data	
Function	Barcode reader - image sensor
Resolution	752 × 480 pixels
Light type	IR
Brennweite	25 mm
Special features	Wash down
Electrical data	
Operating voltage U_s	10...30 VDC
DC rated operating current I_s	≤ 1000 mA
Communication protocol	EtherNet/IP Modbus TCP PCCC PROFINET RS232
Mechanical data	
Design	Rectangular, iVu PLUS
Housing material	Plastic, Thermoplastic material, Black
Window material	Acrylic, clear
Electrical connection	Connector, M12 × 1, 12-wire
Display	Integriert
Ambient temperature	0...+50 °C
Protection class	IP67
Tests/approvals	
Approvals	CE

- Second iVu generation
- Internal memory for 30 inspections
- 1/3" CMOS, 752x480 pixels
- Integrated ring light: infrared
- Protection class IP67
- External strobe output + 5 VDC
- External trigger input
- Lens, 12mm, 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

Wiring Diagram

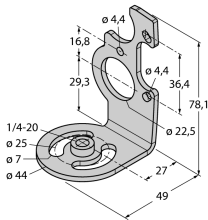
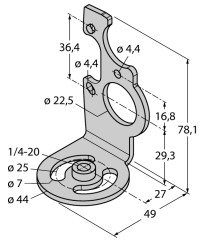
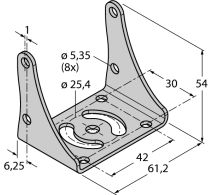


Functional principle

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 hous-

ing 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.

Accessories

Type code	Ident no.		Dimension drawing
SMBIVURAR	3082547	Brackets for mounting on right side	 Technical drawing of the SMBIVURAR bracket. It is an L-shaped bracket with a vertical flange and a horizontal base. Dimensions include: vertical flange height of 78.1, flange width of 49, base width of 49, base height of 27, and various hole diameters (ø 4.4, ø 22.5, ø 25, ø 7, ø 44). A 1/4-20 threaded hole is also shown.
SMBIVURAL	3082546	Brackets for mounting on left side	 Technical drawing of the SMBIVURAL bracket, which is a mirror image of the SMBIVURAR bracket. Dimensions are identical: vertical flange height of 78.1, flange width of 49, base width of 49, base height of 27, and various hole diameters (ø 4.4, ø 22.5, ø 25, ø 7, ø 44). A 1/4-20 threaded hole is also shown.
SMBIVUU	3082549	U-bracket for base mounting (incl. SMBIVUB baseplate)	 Technical drawing of the SMBIVUU U-bracket. It is a U-shaped bracket with a base plate. Dimensions include: base plate width of 61.2, base plate height of 54, base plate thickness of 6.25, and various hole diameters (ø 5.35 (8x), ø 25.4, ø 42). A 1/4-20 threaded hole is also shown.