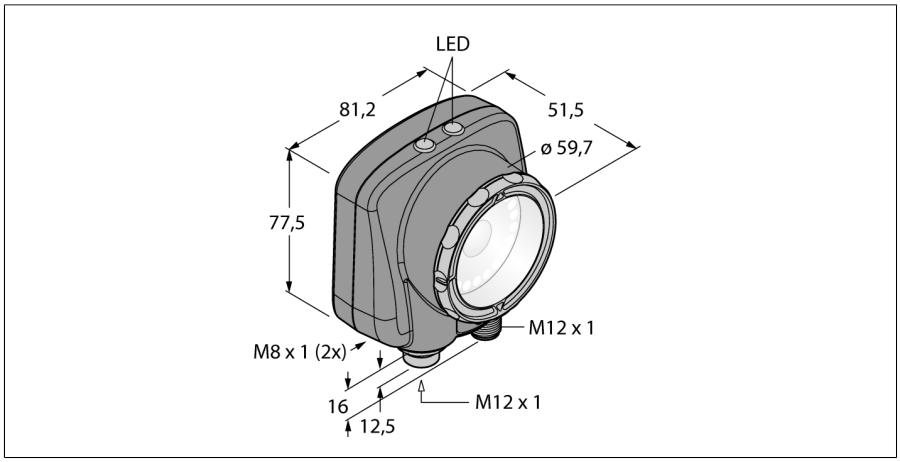
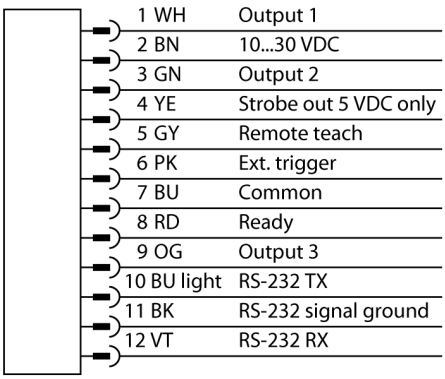
Image Processing
Grayscale Image Sensor
IVU2PRG606



Type	IVU2PRG606
ID	3090930
Camera data	
Function	Gray value
Resolution	752 × 480 pixels
Light type	UV
Brennweite	16 mm
Special features	Wash down
Electrical data	
Operating voltage U_B	10…30 VDC
DC rated operating current I_e	≤ 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	Remote
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: UV light (365 nm)
- Protection class IP67
- External strobe output + 5 VDC
- External trigger input
- Lens, 6mm, M12x1
- External display RDM35 required
- Operating voltage 10…30 VDC
- M12 × 1 male, 12-pin
- 3 x programmable switching output (PNP/NPN)
- 1 x RS232 data communication
- Ethernet via M8 x 1 male, 4-pin
- USB 2.0 host: M8 female, 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

Edition • 2025-02-26T13:37:52+01:00

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.

Sensor with 3 integrated operating modes:

1. Pattern recognition, checks if a pattern on a target is identical to the reference pattern.

2. Blob detection, for identification of one or more object features.

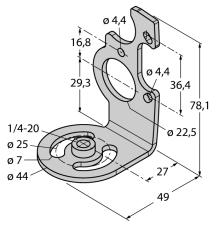
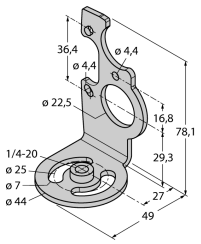
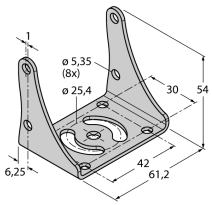
3. Feature detection with positioning, which adapts to the movements.

A blanking function for blob and feature detection is available in the new generation, so that areas in the field of view can be switched blind. Sensor configuration via PC is not required!

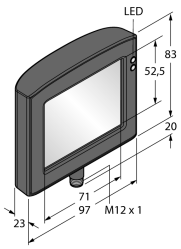
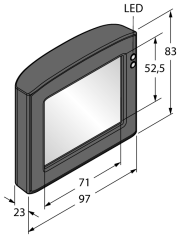
Storage for 30 inspections.

Edition • 2025-02-26T13:37:52+01:00

Accessories

Type code	Ident no.		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)	

Function accessories

Type code	Ident no.		Dimension drawing
RDM35	3029512	Remote display 3.5" touch screen for device installation, connection via M12 plug connector, IVURDM-QD-8.. or IVURDM-QDK-8.. required	
RD35	3082646	Remote display 3.5", touch screen, connection via Molex integral connector, IVURD-MX-8.. or IVURD-MXK-8.. required	

Edition • 2025-02-26T13:37:52+01:00