

iVu Plus Bar Code Reader with Ethernet Connectivity and Industrial Protocols



iVu Plus touch screen vision sensors with Integrated or Remote Display.

The iVu Plus delivers complex inspection capabilities and unprecedented flexibility in an affordable, easy-to-apply sensor. Ethernet connectivity enables iVu Plus sensors to share inspection data directly with PLCs, PCs or other factory devices making communications and control even easier on the plant floor. The iVu Plus is also capable of storing up to 30 inspections accommodating rapid product changeover.

The iVu Plus BCR reads and optionally validates data within DataMatrix (ECC200 barcodes), several linear barcodes, (e.g., Code 128), Pharmacode, and postal codes (e.g., Postnet and IMB). With the support of Ethernet connectivity and Industrial Protocols, the iVu Plus BCR sensor also has the ability to remotely update the data used for validation from anywhere on the Ethernet network over TCP/IP, EtherNet/IP or Modbus/TCP protocols.

- ▶ No external PC required to configure the sensor
- ▶ Integrated or remote touch screen display allows easy access to the user interface and to view inspection images
- ▶ Remotely update and compare data used for barcode validation from anywhere on the Ethernet network
- ▶ Ethernet communications provide enhanced control of and communications with the sensor
- ▶ EtherNet/IP and Modbus/TCP simplify communications with many PLCs and HMIs
- ▶ Multiple inspections that facilitate storage, selection and control of up to 30 inspections for fast product turnover
- ▶ IEC IP67-rated housing rugged and versatile to suit a broad range of application environments
- ▶ Several lens and lighting options to meet a variety of application needs

High-performance reading of industry standard bar codes without a PC

Reads and validates
1D and 2D bar codes
in all industries

- ▶ Data Matrix (ECC 200)
- ▶ Code 128
- ▶ Code 39
- ▶ Codabar
- ▶ Interleaved 2 of 5
- ▶ EAN-13 (UPC-A)
- ▶ EAN-8
- ▶ UPC-E
- ▶ Postnet
- ▶ IMB
- ▶ Pharmacode



Integrated Touch
Screen Models

Touch Screen
for Remote Monitoring

40-plus years of sensor design experience, quality control, sales support and cost-effective solutions

- ▶ Banner quality products with global availability
- ▶ Rapid customization with most products shipping in 3 days or less
- ▶ Industry's largest force of application engineers to solve your toughest challenges
- ▶ More than 3,000 factory and local field representatives to serve you

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BANNER[®]

more sensors, more solutions

iVu Plus Bar Code Reader (BCR) Sensor, 10 to 30V dc

Dimensions

iVu Plus Bar Code Sensors

IVUP

RB

TB = Integrated Touch Screen
RB = Remote Touch Screen*

*Remote display RD35 is required for set up and viewing remote touch screen sensors. Display and cordsets are ordered separately.

Ring Light

R

R = Red
W = White
I = Infrared
B = Blue
G = Green
X = No Light

08

04 = 4.3 mm
06 = 6 mm
08 = 8 mm
12 = 12 mm
16 = 16 mm
25 = 25 mm



Remote Display Touch Screen

| Models | Description |
|---------|--------------------------------------|
| RD35 | 3.5" diagonal remote touch screen |
| SMBRD35 | Mounting bracket for remote display |
| SMBKS | Swivel mounting platform for SMBRD35 |



Remote Display Accessory Kits†

(Includes corsdet, SMBRD35 bracket/docking station, stylus and hardware)

| Description | Models | Length |
|---|---------------|--------|
| <p>Cordset 8-pin Euro-style, straight to Molex</p> | IVURD-MXK-803 | 1 m |
| | IVURD-MXK-806 | 2 m |
| | IVURD-MXK-815 | 5 m |
| | IVURD-MXK-830 | 9 m |
| | IVURD-MXK-850 | 16 m |

†SMBRD35 bracket/docking station and cordsets are sold individually, contact factory at 1-888-373-6767 for model numbers.

Lenses and Filters



| Models | Description |
|--------|-------------|
| LMF04 | 4.3 mm Lens |
| LMF06 | 6 mm Lens |
| LMF08 | 8 mm Lens |
| LMF12 | 12 mm Lens |
| LMF16 | 16 mm Lens |
| LMF25 | 25 mm Lens |

| Models | Description |
|--------|--------------------------|
| FLTMI | Infrared (760 nm) Filter |
| FLTMB | Blue (470 nm) Filter |
| FLTMG | Green (525 nm) Filter |
| FLTMR | Red (635 nm) Filter |

Ethernet Communication Cordsets

| Description | Models | Length |
|--|------------|--------|
| <p>RJ45 to 4-pin Pico-Style QD straight (female)</p> | IVUC-E-406 | 2 m |
| | IVUC-E-415 | 5 m |
| | IVUC-E-430 | 9 m |
| | IVUC-E-450 | 16 m |
| | IVUC-E-475 | 23 m |

Power, I/O and Serial Cordsets

| Description | Models* | Length |
|---|-------------|--------|
| <p>12-Pin M12/Euro-style QD, straight with open shield (female) (for CE compliance)</p> | MQDC2S-1206 | 2 m |
| | MQDC2S-1215 | 5 m |
| | MQDC2S-1230 | 9 m |
| | MQDC2S-1250 | 16 m |
| <p>12-Pin M12/Euro-style QD, straight (female)</p> | IVUC-1206 | 2 m |
| | IVUC-1215 | 5 m |
| | IVUC-1230 | 9 m |
| | IVUC-1250 | 16 m |

* For a right-angle cordset, add RA to model number (example, MQDC2S-1206).

Brackets

| Models | Description | Models | Description |
|--------|--|--------|--|
| | SMBIVURAL Right-angle bracket for mounting sensor from left | | SMBIVUB Bottom mounting bracket |
| | SMBIVURAR Right-angle bracket for mounting sensor from right | | SMBIVUU U-shaped swivel bracket kit (includes SMBIVUB) |

USB Cordsets

| Description | Models | Length |
|---|-----------------|--------|
| <p>Use with: Remote touch screen models</p> | PSG-4M-4005-USB | 0.15 m |
| | PSG-4M-401-USB | 0.30 m |
| | PSG-4M-403-USB | 0.90 m |
| | PSG-4M-410-USB | 3 m |

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