

iVu Plus Bar Code Reader with Ethernet Connectivity and Industrial Protocols

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



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



Integrated Touch Screen Models

Touch Screen for Remote Monitoring



more sensors, more solutions

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iVu Plus Bar Code Reader (BCR) Sensor, 10-30 VDC

iVu Plus Bar Code Sensors

IVUP

RB

Ring Light

R

Lens

08

TB = Integrated Touch Screen
RB = Remote Touch Screen
 Note: Remote display RD35 is required for set up and viewing remote touch screen sensors. Display and cordsets are ordered separately.

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

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

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



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)

Remote Display Accessory Kits

Description	Models	Length
	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


Kit includes corsdet, SMBRD35 bracket/docking station, stylus and hardware. SMBRD35 bracket/docking station and cordsets are sold individually.

Ethernet Communication Cordsets

RJ45 to 4-pin M8 QD; straight (female) 

Models	Length	Models	Length
IVUC-E-406	2 m	IVUC-E-450	16 m
IVUC-E-415	5 m	IVUC-E-475	23 m
IVUC-E-430	9 m		

Power, I/O and Serial Cordsets

12-Pin M12 QD; straight with open shield (female) (for CE compliance) 

Models	Length	Models	Length
MQDC2S-1206	2 m	IVUC-1206	2 m
MQDC2S-1215	5 m	IVUC-1215	5 m
MQDC2S-1230	9 m	IVUC-1230	9 m
MQDC2S-1250	16 m	IVUC-1250	16 m

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

USB Cordsets for use with remote touch screen models

4-pin M8; straight to USB 

Models	Length	Models	Length
PSG-4M-4005-USB	0,15 m	PSG-4M-403-USB	0,90 m
PSG-4M-401-USB	0,30 m	PSG-4M-410-USB	3 m



Banner offers a full range of sensing solutions

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