iVu Plus TG Image Sensor
with Multipoint Inspections

Banner's iVu Plus TG can inspect multiple points on a part with a single inspection.

The New and Improved iVu Plus TG

The upgraded, premium vision sensor supports multiple sensor types within a single inspection, solving the same applications that would typically require multiple photoelectric or proximity sensors. The iVu Plus TG provides a simple sensor solution with high performance and more reliable inspections.

Your Advantages:

- Check multiple features in a single inspection
- Identify a problem and where the problem occurred, which helps pinpoint what is causing a failure
- More precise inspections to reliably detect small problems and ignore noncritical features
- Integrated or remote interface for easy monitoring and the ability to change parameters on the fly
- Setup can be completed in minutes with only 4 steps

Product Overview:

- Easy to use with no external PC needed
- EtherNet/IP and Modbus/TCP simplify communications, providing enhanced control of the sensor
- Store up to 30 inspections for fast product turnover
- Sort up to 10 products in a single inspection

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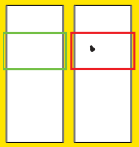
High-performance inspection capabilities without a PC

Use a combination of simple sensors for your diverse inspections

Area – verifies the presence or absence of a feature or features of interest



Blemish – identifies flaws on a part

Match – verifies that a pattern, shape or part in any orientation matches a reference pattern

Sort – recognizes and sorts different patterns of parts in any orientation

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

www.bannerengineering.com

1.888.373.6767

BANNER®

more sensors, more solutions

iVu Plus Image Sensor TG, 10 to 30V dc

iVu Plus TG Sensors

IVU **P** **TG**

- **P** = Plus
- **TG** = Integrated Touch Screen
- **RG** = Remote Touch Screen*

Ring Light

R

- **R** = Red
- **B** = Blue
- **G** = Green
- **I** = Infrared
- **W** = White
- **6** = UV365 nm
- **9** = UV395 nm
- **X** = No Light
- **XC** = C-Mount

Lens

08

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

*Remote display RDM35 is required for set up and viewing remote touch screen sensors. Display and cordsets are ordered separately.

Remote Display Touch Screen

Models	Description
RDM35	3.5" diagonal remote touch screen
SMBRDM35	Mounting bracket for remote display

Dimensions

Remote Display Accessory Kits†

(Includes cordset and SMBRDM35 bracket)

Description		Models	Length
SMBRDM35	**Cordset** 8-pin M12 Euro, straight to straight	IVURDM-QDK-803	1 m
		IVURDM-QDK-806	2 m
		IVURDM-QDK-815	5 m
		IVURM-QDK-830	9 m
		IVURM-QDK-850	16 m

† **SMBRDM35** bracket and cordsets are sold individually, contact factory at 1-888-373-6767 for model numbers.

Lenses and Filters

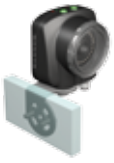
C-Mount lens options available at www.bannerengineering.com/c-mount-lens

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

To download the iVu Lens Assistant go to www.bannerengineering.com/ivulenses.

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)

Ethernet Communication Cordsets

Description		Models	Length
	RJ45 to 4-pin Pico-Style QD straight (female)	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
	12-Pin M12/Euro-style QD, straight with open shield (female) (for CE compliance)	MQDC2S-1206	2 m
		MQDC2S-1215	5 m
		MQDC2S-1230	9 m
		MQDC2S-1250	16 m
	12-Pin M12/Euro-style QD, straight (female)	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-1250RA**).

USB Cordsets

Description		Models	Length
Use with: Remote touch screen models	4-pin M8/Pico-style, straight to USB	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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