

Remote Display Touch Screen

Description	Model
3.5" diagonal remote touch screen — Machine-mountable	RDM35
3.5" diagonal remote touch screen — Handheld	RD35

RDM35 Accessory Kits

Description	Straight	Right-Angle
1 m cordset, bracket/docking station, stylus and hardware	IVURDM-QDK-803	IVURDM-QDK-803RA
2 m cordset, bracket/docking station, stylus and hardware	IVURDM-QDK-806	IVURDM-QDK-806RA
5 m cordset, bracket/docking station, stylus and hardware	IVURDM-QDK-815	IVURDM-QDK-815RA
9 m cordset, bracket/docking station, stylus and hardware	IVURDM-QDK-830	IVURDM-QDK-830RA
16 m cordset, bracket/docking station, stylus and hardware	IVURDM-QDK-850	IVURDM-QDK-850RA

**RDM35**

Machine-mountable Remote Display
Used for- programming & monitoring

RD35 Accessory Kits

Description	Straight	Right-Angle
1 m cordset, bracket/docking station, stylus and hardware	IVURD-MXK-803	IVURD-MXK-803RA
2 m cordset, bracket/docking station, stylus and hardware	IVURD-MXK-806	IVURD-MXK-806RA
5 m cordset, bracket/docking station, stylus and hardware	IVURD-MXK-815	IVURD-MXK-815RA
9 m cordset, bracket/docking station, stylus and hardware	IVURD-MXK-830	IVURD-MXK-830RA
16 m cordset, bracket/docking station, stylus and hardware	IVURD-MXK-850	IVURD-MXK-850RA

**RD35**

Handheld Remote Display
Used for- programming

Cordsets for Remote Display

Hand Held Remote Display (RD35)		Machine Mountable Remote Display (RDM35)	
8-Pin		8-Pin	
Double Ended M12/Euro-Style Straight connector models listed; for right-angle, add RA to the end of the model number (example, IVURD-QD-803RA)	IVURD-QD-803	Euro-Style to Molex Straight connector models listed; for right-angle, add RA to the end of the model number (example, IVURD-MX-803RA)	IVURD-MX-803
	1 m (3')		1 m (3')
	IVURD-QD-806		IVURD-MX-806
	2 m (6')		2 m (6')
	IVURD-QD-815		IVURD-MX-815
	5 m (15')		5 m (15')
	IVURD-QD-830		IVURD-MX-830
	9 m (30')		9 m (30')
	IVURD-QD-850		IVURD-MX-850
	16 m (50')		16 m (50')

Additional cordset information is available
See page 773

Brackets for Remote Display



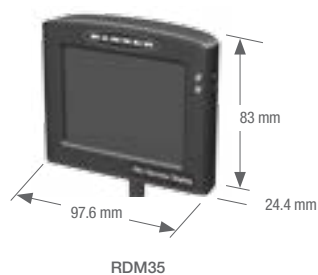
SMBRD35



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SMBRDM35



Power M12/Euro-Style with Shield

Straight connector models listed; for right-angle, add **RA** to the end of the model number (example, MQDC2S-1206RA)



8-Pin

MQDC2S-806
2 m (6.5')
MQDC2S-815
5 m (15')
MQDC2S-830
9 m (30')
MQDC2S-850
15 m (50')

12-Pin

MQDC2S-1206
2 m (6.5')
MQDC2S-1215
5 m (15')
MQDC2S-1230
9 m (30')
MQDC2S-1250
15 m (50')

Used With: TG Models

TG Plus Models

Ethernet

RJ45 to 4-Pin Pico QD



4-Pin

IVUC-E-406
2 m (6.5')
IVUC-E-415
5 m (15')
IVUC-E-430
9 m (30')

IVUC-E-450
12 m (50')
IVUC-E-475
23 m (75')

Used with: TG Plus only

Additional cordset information is available.
See page 758

USB

Straight connector models listed



8-Pin Euro**

MQDEC-8005-USB
0.15 m (0.5')
MQDEC-801-USB
0.3 m (1')
MQDEC-803-USB
0.9 m (3')
MQDEC-810-USB
3 m (10')

Used with: TG with Integrated Touch Screen

** For right-angle, add **RA** in the middle of the model number (example, MQDEC-801RA-USB)

4-Pin Pico

PSG-4M-4005-USB
0.15 m (0.5')
PSG-4M-401-USB
0.3 m (1')
PSG-4M-403-USB
0.9 m (3')
PSG-4M-410-USB
3.0 m (10')

TG with Remote Touch Screen

TG Plus with Remote or Integrated Touch Screen



SMBIVURAL



SMBIVURAR



SMBIVUU



SMBIVUB
TG model only



SMBRD35



SMBKS



SMBRDM35

Used with: Remote Display Screens

Additional bracket information is available.
See page 726

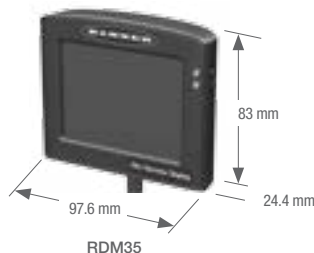


(front)



(back)

Sensors with
Integrated Touch Screen
(Standard iVu model shown)



RD35 Remote Touch Screen
(sold separately)



iVu & iVu Plus Specifications

General	
Supply Voltage	10-30 V dc
Demo Mode	Full tool functionality on canned images
Sensor Lock	Optional password protection
Integrated Ring Light	Red, IR, Green, Blue, White, UV or no integrated ring light
Imager	1/3 inch CMOS 752 x 480 pixels; adjustable Field-of-View (FOV)
Lens Mount	M12 X 1 mm thread (c-mount lens); microvideo lens 4.3, 6, 8, 12, 16, 25 mm
Output Rating	150 mA
Exposure Time	0.1 milliseconds to 1.049 seconds
Construction	Black Valox™ sensor housing; acrylic window iVu Plus Integrated: Die cast zinc and Black Valox™
External Strobe Output	+ 5 V dc
Environmental Rating	IP67
Model Specific	
Power Connection	iVu TG (integrated and remote touch screen): 8-pin Euro-style (M12) male connector Accessory cordset required for operation; QD cordsets are ordered separately. iVu Plus TG (integrated and remote touch screen): 12-pin Euro-style (M12) male connector
Supply Current	iVu TG: 800 mA max. (exclusive of I/O load) iVu Plus TG: 850 mA max. (exclusive of I/O load)
USB 2.0 Host	iVu TG (integrated touch screen): 8-pin Euro-style (M12) female connector iVu TG (remote touch screen): 4-pin Pico-style (M8) female connector iVu Plus TG (integrated and remote touch screen): 4-pin Pico-style (M8) female connector Optional USB cordset required for operation of USB Thumb Drive. QD cordsets are ordered separately.
Ethernet Connection	iVu Plus TG: 4-pin Pico-style (M8) male connector. Ethernet cordsets are ordered separately.
Output Configuration	NPN or PNP, software on-screen selectable
Tools	iVu TG: Area, Blemish and Match iVu Plus TG: Area, Blemish, Match and Sort
Display	Integrated touch screen: 68.5 mm (2.7") LCD Color Integrated Display 320 x 240 pixels Remote touch screen: See RD35 Remote Display specifications
Acquisition	iVu TG: 100 fps (frames per second) max. iVu Plus TG: 100 fps (frames per second) max.
Operating conditions	Stable Ambient Temperature: TG: 0 to + 50 °C iVu Plus TG (integrated touch screen): 0 to +45 °C iVu Plus TG (remote touch screen): 0 to +40 °C
Remote Display connection (Remote Touch Screen Models Only)	8-pin Euro-style (M12) female connector Accessory cordset required for remote display; QD cordsets are ordered separately.
Certifications	 NOTE: iVu Plus remote must use Euro QD power cordset for CE compliance. 

iVu Remote Display Specifications

Screen Size	3.5" diagonal
LCD Aspect Ratio	4:3
Display Resolution	320 x 240 RGB
Viewing Angle	60 degrees left, and 60 degrees right, 50 degrees up, and 55 degrees down
Housing Material	Zinc Zamac #3 (RDM35), Polycarbonate (RD35)
Bracket Material	Delrin (RD35), ABS (RDM35)
Stylus	Delrin
Display Weight	4.8 oz (RD35), 12 oz (RDM35)
Bracket & Stylus Weight	1.1 oz
Connection	Molex HandyLink connector
Operating Temperature	0° to + 40° C