

FURUNO

MU-DISPLAY series

MARINE DISPLAY

Model MU-152/190/190V/270W



www.furuno.com



Need a bright idea? How about using FURUNO marine grade monitors in your helm!

The FURUNO MU-Display series is a multi-purpose marine LCD that features the unmatched quality and reliability that you have learned to depend on.

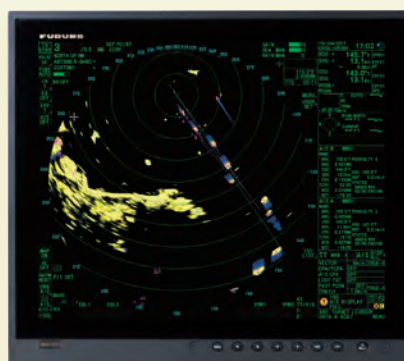
These units feature a wide range of interface options that include: RGB analog, DVI (Digital Video Interface) and composite video inputs.

These displays may be used as either the main or remote display for a variety of marine equipment such as BlackBox Radar, Sounder, Sonar and NavNet series. They can also be used for displaying images from security cameras, DVD player, computers, etc.

MU-DISPLAY_{series}



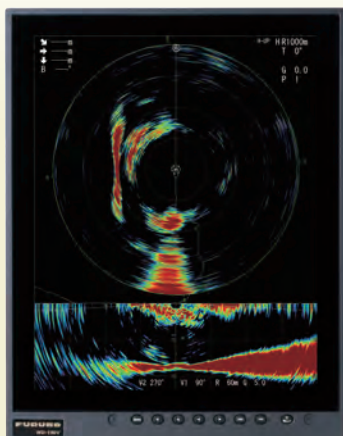
Model MU-152



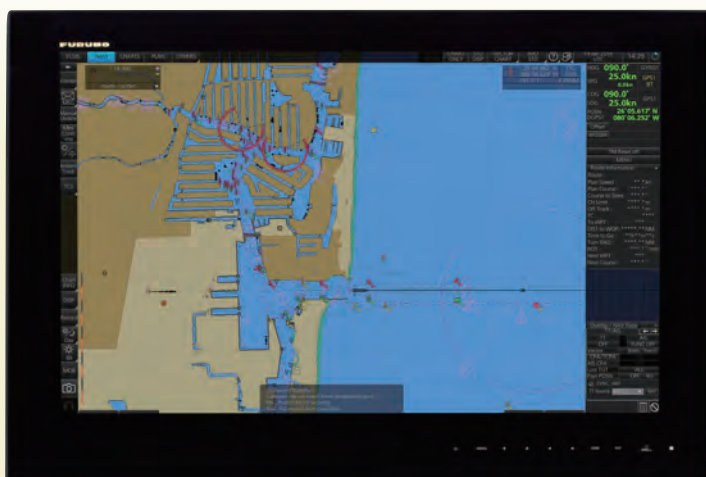
Model MU-190



	MU-152	MU-190	MU-190V	MU-270W
Crystal clear marine grade monitors for use as main or remote display	✓	✓	✓	✓
Available in table top or flush mount (Mounting bracket is optional)	✓	✓	✓	✓
Automatic dimmer sensor adjusts the display brightness as lighting conditions change	✓	✓	✓	✓
Customizable input names for easy on-the-fly identification and switching between onboard Radar, Sonar, Sounder, Camera, etc.	✓	✓	✓	✓
Any of the composite inputs are PIP (Picture-In-Picture) capable, with adjustable size and screen location	✓	✓	✓	✓
Power ON/OFF automatically by the DVI signal	✓	✓	✓	✓
Built-in scaler allows accepting up to various resolutions	VGA to SXGA	VGA to SXGA	VGA to SXGA	SVGA to WUXGA
Selectable inputs including RGB analog, DVI (Digital Video Interface) and Composite	✓	✓	✓	✓



Model MU-190V



Model MU-270W

Features

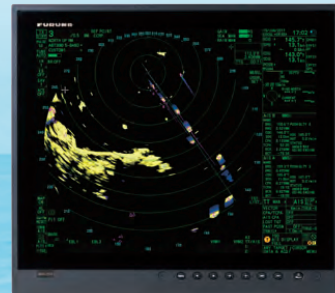
15" XGA (1024 x 768)



Model **MU-152**



19" SXGA (1280 x 1024)



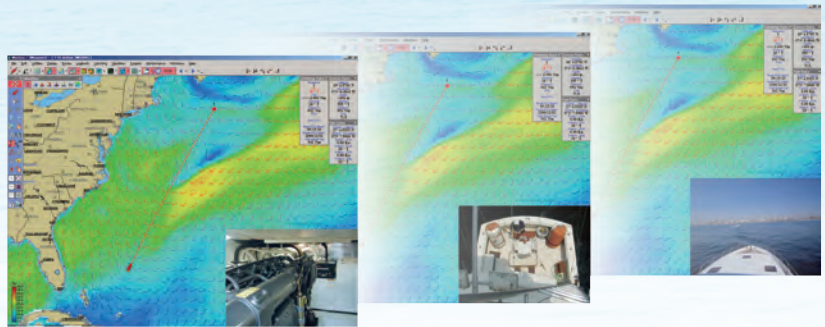
Model **MU-190**



Picture In Picture (PIP)

:MU-152/190/190V/270W

Composite video (NTSC/PAL) input is available for displaying video images from an onboard TV/DVD player.



Low power consumption

: MU-152/190/190V/270W

Utilizing the latest LED backlight, the MU-Display series delivers sharp, high quality images with bright colors and all at very low power consumption.

Waterproof : MU-152

The MU-152 has a waterproof display and is built to stand up to tough marine conditions when mounted at fly bridge console.

The display can be rinsed in water for easy, worry-free cleaning.



Slim, lightweight and compact

: MU-152/190/190V/270W

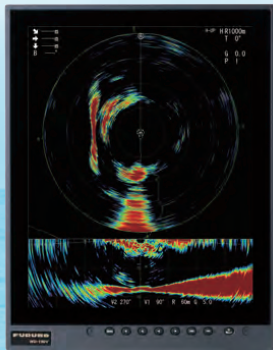
The MU-Display series is slim in depth, light weight and is so compact that it fits right into virtually any console.

It's space-saving design makes optimum use of your dashboard.



photo: MU-190/152

SXGA (1280 x 1024)

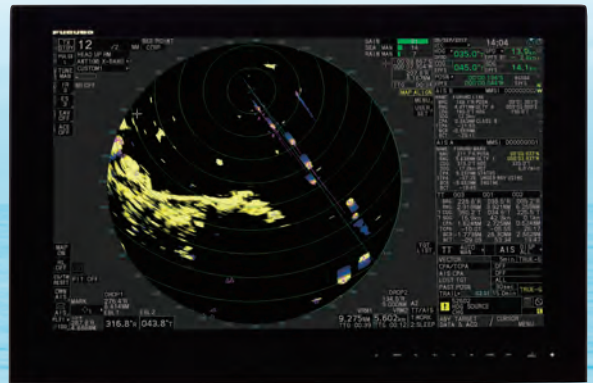


Model MU-190V



27"

WUXGA (1920 x 1200)



Model MU-270W



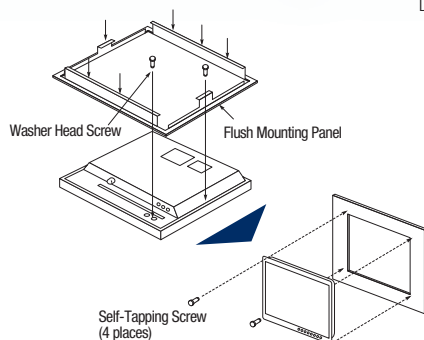
Flush mounting

For space-saving installation and additional security, flush mount installation is available for all the MU-Display series. The display unit can be fixed from either front or rear with the flush mount kit for MU-152/190/190V/270W.

Flush mounting, fixed from front

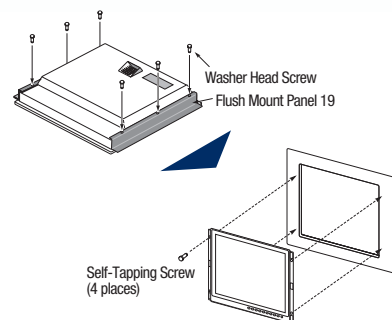
MU-152

Drawing: MU-152

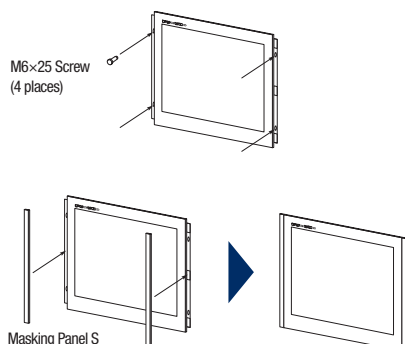


MU-190

Drawing: MU-190



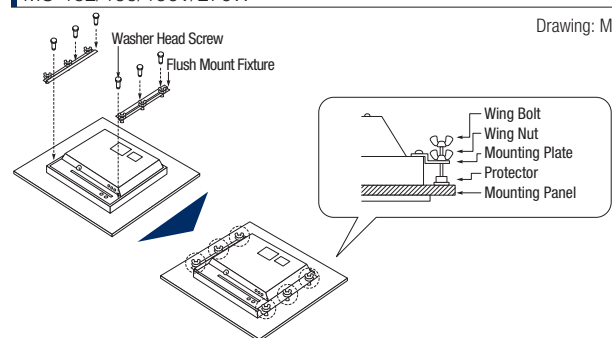
MU-270W



Flush mounting, fixed from rear*

MU-152/190/190V/270W

Drawing: MU-190



* Optional for MU-190/270W, standard for MU-152/190V

SPECIFICATIONS OF MU-DISPLAY series

DISPLAY CHARACTERISTICS	MU-152	MU-190V
Screen Size	15 inches, landscape	19 inches, portrait
Resolution	XGA (1024 x 768)	SXGA (1280 x 1024)
Contrast Ratio (typical)	900 : 1	
Viewing Angle (typical)	left/right and up/down: 80° or more	
Max Brightness (typical)	400 cd/m ²	500 cd/m ²

INTERFACE

Analog RGB (D-SUB/15 pins)	1 port	
DVI (DVI-D)	2 ports	
Composite Video (NTSC/PAL)	3 ports	1 port
Built-in Scaler	VGA to SXGA	

POWER SUPPLY	12-24 VDC 1.9 - 0.9 A	12-24 VDC 5.0 - 2.5 A
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ENVIRONMENT (IEC 60945 test method)

Temperature	-15°C to +55°C	-15°C to +55°C
Waterproofing	IP56 (CFR46, front panel), IP22 (rear panel)	IP22

EQUIPMENT LIST

Standard 1. Display Unit 2. Flush Mount Kit (for fixing at rear) 3. Installation Materials, Accessories and Spare Parts Option 1. Cable Assembly 2. Bracket Assembly (w/knobs) 3. Hood Assembly 4. Flush Mount Kit (for fixing at front)	Standard 1. Display Unit 2. Flush Mount Kit(for fixing at rear) 3. Installation Materials, Accessories and Spare Parts Option 1. Cable Assembly 2. Bracket Assembly (w/knobs) 3. Hood Assembly
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DISPLAY CHARACTERISTICS	MU-190	MU-270W
Screen Size	19 inches, landscape	27 inches, landscape
Resolution	SXGA (1280 x 1024)	WUXGA (1920 x 1200)
Contrast Ratio (typical)	900 : 1	1500 : 1
Viewing Angle (typical)	left/right and up/down: 80° or more	left/right and up/down: 85° or more
Max Brightness (typical)	450 cd/m ²	400 cd/m ²

INTERFACE

Analog RGB (D-SUB/15 pins)	1 port	
DVI (DVI-D)	2 ports	
Composite Video (NTSC/PAL)	1 port	
Built-in Scaler	VGA to SXGA	SVGA to WUXGA

POWER SUPPLY	100-230 VAC 0.5 - 0.4 A	100-230 VAC 0.6 - 0.4 A
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ENVIRONMENT (IEC 60945 test method)

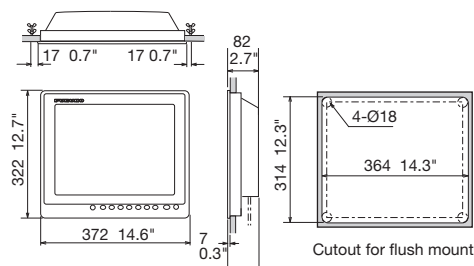
Temperature	-15°C to +55°C	
Waterproofing	IP22	

EQUIPMENT LIST

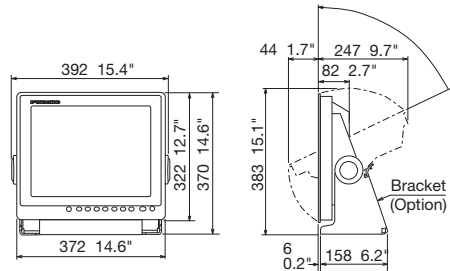
Standard 1. Display Unit 2. Flush Mount Kit (for fixing at front) 3. Installation Materials, Accessories and Spare Parts Option 1. Cable Assembly 2. Bracket Assembly (w/knobs for MU-190) 3. Hood Assembly 4. Dust Cover 5. Flush Mount Kit (for fixing at rear)	Standard 1. Display Unit 2. Installation Materials, Accessories and Spare Parts Option 1. Cable Assembly 2. Bracket Assembly 3. Hood Assembly 4. Dust Cover 5. Flush mount Kit (for fixing at rear)
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DIMENSIONS AND WEIGHT

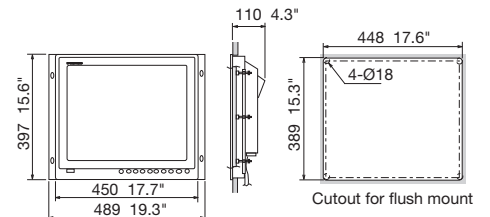
MU-152
Flush Mount 4.9 kg 10.8 lb



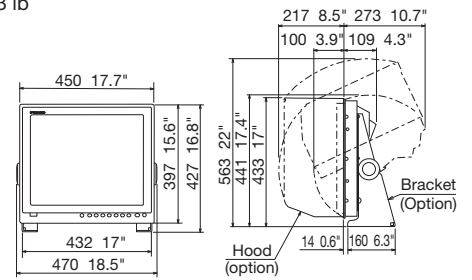
Bracket Mount 6.9 kg 15.2 lb



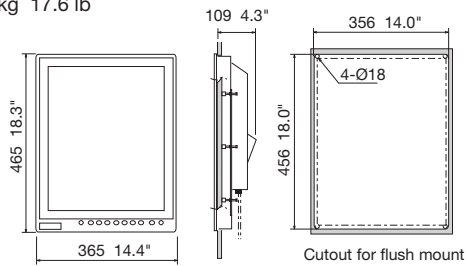
MU-190
Flush Mount 8.8 kg 19.4 lb



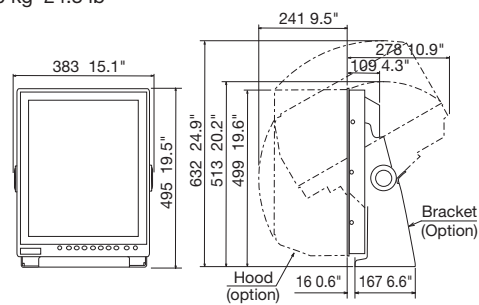
Bracket Mount 11 kg 24.3 lb



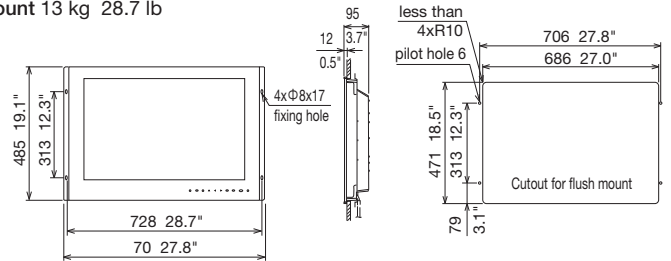
MU-190V
Flush Mount 8.0 kg 17.6 lb



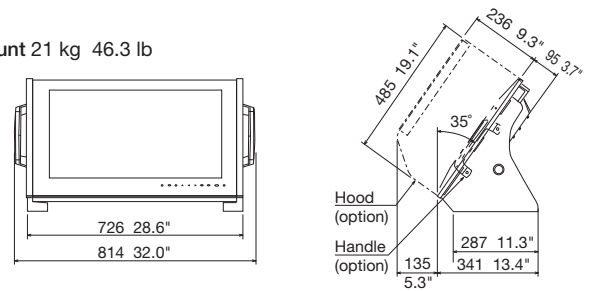
Bracket Mount 11.0 kg 24.3 lb



MU-270W
Flush Mount 13 kg 28.7 lb



Bracket Mount 21 kg 46.3 lb





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