



FDU2603W



FDU2603WT

## Panel Mount Marine Monitors with LED Backlight for ECDIS / RADAR Applications

### Durable and Reliable

The FDU2603W and FDU2603WT offer durability for use in harsh maritime environments, complying with the conditions for temperature, humidity, and vibration as defined in the IEC 60945 international standard for maritime navigation and radio communication equipment and systems. IP65 rating ensures they can withstand dust ingress and are protected against low-pressure water jets. A coating is applied to make the electronic substrates moisture-proof and the cooling fan is easily accessible for exchanging purposes.

### Approval from Classification Societies

The monitors meet the requirements for major maritime classifications with approvals for LR(UK), DNV GL (Norway / Germany), ABS (USA), and NK (Japan). Additional certifications are available on request.

### Long-Lasting LED Backlight

The monitors are equipped with an LED backlight. Compared to conventional CCFL backlights, LED backlights last longer and consume less power. They are also mercury-free for minimal impact on the environment.

### Calibrated for ECDIS

Backlight brightness, gamma, and RGB color settings are calibrated at the factory so each monitor achieves accurate color reproduction for meeting the highly specialized requirements of ECDIS systems. Both monitors meet IEC 61174, IEC 62288, and IEC 62388 international standards for ECDIS and RADAR applications.

### Wide Dimming Range

The wide dimming range of less than 1 cd/m<sup>2</sup> up to 490 cd/m<sup>2</sup> (470 cd/m<sup>2</sup> for the FDU2603WT) allows you to adjust to the appropriate brightness level for viewing during the day or at night.

### Clear View

The VA panel features wide viewing angles that minimize changes in contrast and gradation to maintain excellent visibility when the screen is viewed from the side. An AR coating is applied to reduce the amount of reflections on the screen for a clear display.

### Touch Panel Model

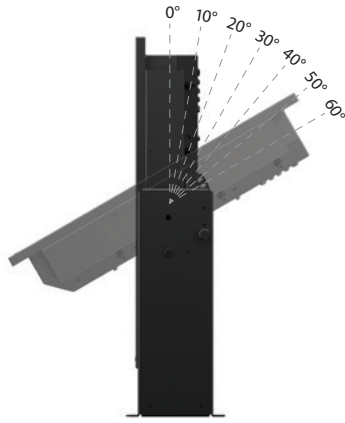
The FDU2603WT features a projected capacitive touch panel that accepts touch input from a bare hand or special stylus and supports multitouch operation. It is also highly resistant to dust and water droplets to minimize unintended input.

### Optical Bonding for High Visibility

Optional optical bonding is available for both models. Optical bonding significantly reduces reflective light for high visibility even when the screen is viewed in direct sunlight. A screen with optical bonding is also more resistant to applied pressure, giving it increased physical durability.

## Optional Stand

An optional stand is available with the monitors which allows tilt positioning from 0 - 60 degrees. The stand, when combined with the monitors, complies with the conditions for temperature, humidity, and vibration as defined in IEC 60945. It also meets the requirements for LR (UK), DNV GL (Norway / Germany), ABS (USA), and NK (Japan).

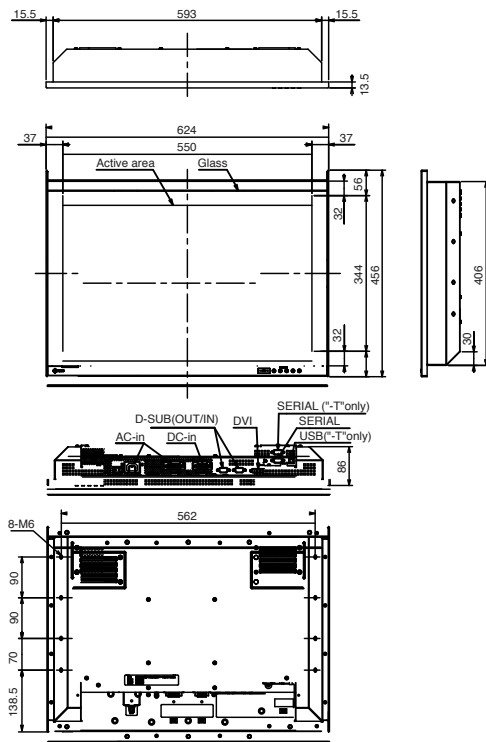


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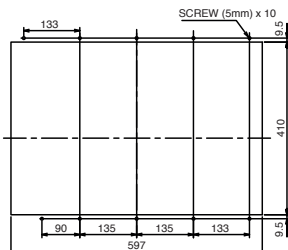
## Additional Features

- 24-Hour Use, 3-Year Warranty
- ECDIS Indicator
- Marine Alarm Buzzer

## Dimensions (mm)



## Panel aperture dimensions



## SPECIFICATIONS

Model Variations		FDU2603W / FDU2603W-OP	FDU2603WT / FDU2603WT-OP	
Cabinet Color		Black		
Panel	Type	VA		
	Backlight	LED		
	Size	25.5" / 65 cm		
	Native Resolution	1920 x 1200 (16:10 aspect ratio)		
	Viewable Image size (H x V)	550 x 343.8 mm		
	Pixel Pitch	0.287 x 0.287 mm		
	Display Colors	16.77 million		
	Viewing Angles (H / V, typical)	176°, 176°		
	Brightness (typical)	490 cd/m <sup>2</sup> (-OP: 500 cd/m <sup>2</sup> )	470 cd/m <sup>2</sup> (-OP: 500 cd/m <sup>2</sup> )	
	Contrast Ratio (typical)	1500:1		
Response Time (typical)	20 ms (black-white-black)			
Touch Panel	Type	-	Projected Capacitive	
	Touch Points	-	5	
	Surface Treatment	-	Anti-Reflection coating	
	Communication Protocol	-	USB, RS-232C	
	Touch Life	-	50 million touches (minimum)	
	Surface Hardness	-	5H	
	Compatible OS	-	Windows 10 / 8.1 / 7 (64-bit, 32-bit), Windows XP (32-bit)	
Video Signals	Input Terminals	DVI-D (HDCP1.4), D-Sub mini 15 pin		
	Output Terminals	D-Sub mini 15 pin (loop through)		
	Analog Scanning Frequency (H / V)	31 - 81 kHz, 56 - 76 Hz		
	Sync Formats	Separate, Composite		
USB	Upstream	-	USB 2.0: Type-B	
Power	Power Requirements	AC 100 - 240 V, 50 / 60Hz DC 24 V		
	Maximum Power Consumption	108 W		
	Power Save Mode	10 W or less (AC input) / 7 W or less (DC input)		
	Standby Mode	10 W or less (AC input) / 7 W or less (DC input)		
Features & Functions	Preset Modes	Color Mode (Custom, Day, Dusk, Night)		
	Communication Interface	D-Sub mini 15 pin, DVI-D 24 pin, RS-232C		
	Communication Protocol	DDC/CI, RS-232C		
Physical Specifications	Dimensions (Panel Mount, W x H x D)	624 x 456 x 86 mm		
	Net Weight (Panel Mount)	14.5 kg / 32 lbs (-OP: 14.9 kg / 32.8 lbs)	15.1 kg / 33.3 lbs (-OP: 15.9 kg / 35.1 lbs)	
	Environmental Requirements	Operating Temperature	-15 - 55 °C	
Safe Distance of Nautical Equipment from Compasses	Operating Humidity (R.H., non condensing)	10 - 90%		
	Degree of Protection	IP65 (front) / IP22 (Rear)		
	Standard Compass	1.85 m		
Certifications & Standards (Please contact EIZO for the latest information.)	Steering Compass	1.20 m		
	Supplied Accessories (May vary by country. Please contact EIZO for details.)	others	Setup manual, CD-ROM, Cleaning cloth	
Warranty	3 years, 24-hour use			

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