

# IEC60945(ECDIS)- 19" LCD DISPLAY

## Model No: TMG-19SD/TS

Our TMG-19SD is a 19" LCD Monitor designed for use in marine bridge control applications, has **CE** and **IEC60945 certifications**. With a sleek edge to edge flat bezel design and display control, the crisp clear display is ideally suited to display images of charts, maps and other critical information.

As optionally with a multi-touch projected capacitive touchscreen, however, it's available with protective anti-glare glass, if preferred.

This 19" VESA, Flush, U-Bracket mount LCD Display is designed to operate in harsh environments and is ideally suited for a wide variety of industrial plant floor applications. The 470 cd/m<sup>2</sup> bright, HD LCD can display large amounts of critical production.

By integrating high quality components with robust and light weight casing (**Milled NEMA 4 (IP65) rated black powder coated beveled aluminum gasket sealed front bezel and machined rear enclosure and ROHS compliant**), anti - glare safety glass, High bright enhancements and touch- screen capabilities, our products continue to be dependable and demanding products in the competitive market today



### Product Features

#### IP65 sealed

The front is sealed to IP65 rating for water and dust resistance.

#### Maximum Resolution

1,280 x 1,024 pixels(SXGA)

#### Active Display Area

376.32 x 301.06 mm

#### Display Brightness

470cd/ m<sup>2</sup> Option: 1,000cd/m<sup>2</sup> type

#### View Angle

85 ° / 85 ° / 85 ° / 85 °

#### I/O Signal Input

VGA, DVI,HDMI Option: CVBS, Display

#### Set Outline Dimension

444(w) x 414(H) x 57(D) mm

#### Set Weight

9.5Kg

#### Power Inputs

Input to DC12V -DC34V free voltage

Option: AC 100/ 230V usage

**DIZEN SYSTEMS, INC.**

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Display Description		Mechanical Description	
TFT Characteristics		Dimensions	445(W) x 414(H) x 66 (D) mm
		Weight	9.5kg
LCD Type	19"AM TFT LCD	Case Material	Front: Al H5052 to CNC Machined Other side: Al alloy sheet bended
Max Resolution	1,280 x 1,024 pixels (SXGA)	User Key Controls	Front Fixed
Active Display Area	376.32(H) x 301.06(V) mm	Sealed Rate	Front view IP65,Rear view IP42
Response Time	16ms	Panel Surface	Anti- Reflective Coating
Contrast Ratio	1,000:1 type	Elec. Components	ROHS compliant
Brightness	470 cd/m <sup>2</sup> Option: 1,000 cd/m <sup>2</sup>	Certificate Approval	
Viewing Angle	85° / 85 °/85 ° / 85 °	ECDIS & Radar Compliance	
Backlight Cycle	70,000 hours type	IEC 61174	Processing
Pixel Colors	16.7 million	EMC & Safety	
Input Signal	VGA, DVI-I, HDMI	IEC60068	Pending
Video Signal	RGB 0.7-1.0Vp-p ,75ohm	EN 60950	Processing
		Marine Communications	
HDMI	True	IEC 60945	Types Approved, Color Calibrated(ECDIS)
Resolution Support			
VESA Support	640 x 480 VGA 800 x 600 SVGA 1,024 x 768 XGA 1,280 x 1,024 SXGA		
Power Supply	DC Voltage: DC12V to 34V DC Option: AC110/230V		
Power Consumption	48W (Max)	Part Number	
Environmental		Monitor	TMG-19SD
Operating Temp.	-15°C to +65 °C	Pertinent	
Storage Temp.	-30°C to +80 °C		
Operating Humidity	5% to 95% (Non condensing)	Resistive touch screen	TMG-19SD-RT
Storage Humidity	5% to 95% (Non condensing)	P.Cap touch screen	TMG-19SD-PT
Shock Vibration	+/-1mm, 2 to 13Hz: 0.7g, 13 to 100Hz		
Estimated EN60945 test. We do not recommend routine operation at extreme temperatures			

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