

12.1"(XGA) Sunlight Readable LCD Display

Model No: DIS-12X

Our DIS standard format series, **Marine-grade** High Bright IP65 Rated of all side, VESA, Flush, U-Bracket mount displays are designed for use throughout a wide range of rugged applications. At all stages of the production process these displays are rigorously tested to ensure compliance with various industry standards, and are engineered to withstand the effects of continuous operation in harsh environments.

The **DIS-12X (12.1")** 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 1,000 nit high 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, the operated of **wide temperature has -30 °C to +70 °C** in our products continue to be dependable and demanding products in the competitive market today.



Product Features

IP65 rated enclosure sealed

The all side are sealed to IP65 rating for water and dust resistance.

Maximum Resolution

1,024 x 768 pixels(XGA)

Active Display Area

245.76 x 184.32 mm

Display Brightness

1,000cd/m², 1,500 cd/m²

View Angle

80 ° / 80° / 70° / 80 °

I/O Signal Input

VGA, HDMI, CVBS, Option: DVI, USB port

Set Outline Dimension

335(w) x 296(H) x 60(D) mm

Set Weight

3.5Kg

Power Inputs

Input: DC10V 38V 5A free voltage usage

Option: AC 100/ 250V usage

DIZEN SYSTEMS, Inc.

9720 Orizaba Ave, Downey, CA90240, United States.

TEL: 562-372-4017

E-Mail:sales@dizensystems.com

Web:www.dizensystems.com

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DIS-12X SPECIFICATIONS

Display Description		Mechanical Description	
TFT Characteristics		Dimensions	335(W) x 296(H) x 60 (D) mm
		Weight	3.5 kg
LCD Type	12.1"AM TFT LCD	Cases Water-proof	Enclosure- IP 65(LEMA 4) Water-proof rated seal(all side)
Max Resolution	1,024 x 768 pixels (XGA)	User Key Controls	Front Fixed
Active Display Area	245.76(H) x 184.32(V) mm	Sealed Rate	Front view IP65,Rear view IP65
Response Time	16ms	Panel Surface	Anti- Reflective Coating
Contrast Ratio	1,000:1 type	Elec. Components	ROHS compliant
Brightness	1,000 cd/m ² 1,500 cd/m ²	Certificate Approval	
Viewing Angle	80° / 80 °/70° / 80°	ECDIS & Radar Compliance	
Backlight Cycle	80,000 hours type	IEC 61174	Pending
Pixel Colors	16.7 million	EMC & Safety	
Input Signal	VGA, CVBS, HDMI. Option: DVI,USB	IEC60068/IEC60092	Pending
Video Signal	RGB 0.7-1.0Vp-p ,75ohm	EN 60950	Pending
Composite Video	PAL/NTSC & SECAM	Marine Communications	
HDMI	True to signal (Option: PIP/POP)	IEC 60945	Pending
Resolution Support			
VESA Support	640 x 480 VGA 800 x 600 SVGA 1,024 x 768 XGA		
Power Supply	DC Voltage: 10V to DC38V Option: AC100/250V		
Power Consumption	22W (Max)	Part Number	
Environmental		Monitor	DIS12X-XX
Operating Temp.	-30 to +70 °C	Pertinent	
Storage Temp.	-30 to +80 °C		
Operating Humidity	5% to 90% (Non condensing)		
Storage Humidity	5% to 90% (Non condensing)	P.Cap touch screen	DIS12X-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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