

21.5" (Full HD) Sunlight Readable LCD Display

Model No: DIS-21F

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-21F (21.5")** 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

1,920 x 1,080 pixels (Full HD)

Active Display Area

476.64 x 268.11 mm

Display Brightness

1,000cd/m² type, 1,500cd/m² type

View Angle

89 ° / 89° / 89 ° / 89 °

I/O Signal Input

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

Set Outline Dimension

542(w) x 360(H) x 60(D) mm

Set Weight

8.0Kg

Power Inputs

Input to DC10V to 38V 5A Free Voltage usage
Option: AC 100/ 250V usage

DIZEN SYSTEMS, Inc.

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DIS-21F SPECIFICATIONS

Display Description		Mechanical Description	
TFT Characteristics		Dimensions	542(W) x 360(H) x 60 (D) mm
		Weight	8.0 kg
LCD Type	21.5"AM TFT LCD	Cases Water-proof	Enclosure- IP 65(LEMA 4) Water-proof rated seal(all side)
Max Resolution	1,920 x 1,080 pixels (Full HD)	User Key Controls	Front Fixed
Active Display Area	476.64(H) x 268.11(V) mm	Sealed Rate	Front view IP65,Rear view IP65
Response Time	14ms	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	89° / 89 °/89 ° / 89 °	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 1024 x 768 XGA 1280 x 1024 SXGA 1920 x 1080 Full HD		
Power Supply	DC Voltage: 10V to DC38V Option: AC100/250V		
Power Consumption	30W (Max)	Part Number	
Environmental		Monitor	DIS21F-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	DIS21F-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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