

WIDE

23.1" Industrial Rugged TFT Color LCD Monitor IDP2310UX



Main Features

- State-of-the-art LCD for high resolution and flicker free image
- Wide dimming ratio up to 1000:1 for comfortable viewing at all ambient conditions
- High performance video controller board designed and manufactured in-house for longer life cycle
- Drip-proof front filter glass with multilayer of index matched optical enhancement film for such as Anti-Reflective and Anti-Static treatment
- Certified to IEC60945 and IEC61174

Application Areas

- ECDIS(Electronic Chart Display and Information System)
- Radar Display System
- Maritime Navigation and Ship Automation System
- Vessel Traffic Service System
- Mobile Air Traffic Control Tower System
- Air Traffic Control Tower System

DREAM-LCD

Dependable Rugged Ergonomic Active Matrix-LCD

WIDE's IDP2310UX is an Industrial 23.1" TFT Color LCD monitor which is designed and tailored for operation in harsh environments such as air/vessel traffic control towers and maritime applications.

IDP2310UX features high light output up to 250 cd/m². Combined with a wide dimming range up to

1000:1, it provides comfortable viewing and optimal readability under all ambient light conditions (daylight, starlight, dawn and dusk levels).

It's all metal rugged construction, high efficient front filter glass with multilayer of index matched optical enhancement film and EMI shield and user-friendly slim design provides reliable display solution to system integrators

for mission critical operator display system.

VESA-Mount interface can be implemented to satisfy many different customer specific requirements as optional.

23.1" Industrial Rugged TFT Color LCD Monitor

ELECTRO OPTICAL SPECIFICATIONS

Panel Type	Active Matrix Color TFT LCD-8bit
Screen Size	588.0 mm (23.1") diagonal 470.4 (H) x 352.8 (V) mm (18.52" H x 13.89" V)
Resolution	1600 (H) x 1200 (V) pixels
No. of Colors	16.7M colors, 256 gray scales
Luminance	250 cd/m ² (typical) on LCD
Contrast Ratio	500:1 (typical) @ dark room
Viewing Angle	± 85° (CR ≥ 10) Hor. and Vert.
Dimming Ratio	Up to 1000:1
Input Signal	Supports up to 1600 x 1200 (UXGA)
Input Connectors	BNC Analog / D-Sub Analog / DVI-D CVBS/S-Video (NTSC, PAL)
Sync Type	Separate / Composite / Sync-on-Green
Controls	5 Push Buttons and 1 Rotary Brightness Control
Remote Controls	RS232/422/485 (2x D-Sub 9pin)
Power Supply	100 ~ 240 VAC, 50/60 Hz (Std)
Power Consumption	90W Max.
Power Connector	Std IEC Inlet, Outlet

OPTIONAL FEATURES

VESA-Mount Kit	
Customized packaging	Available upon request

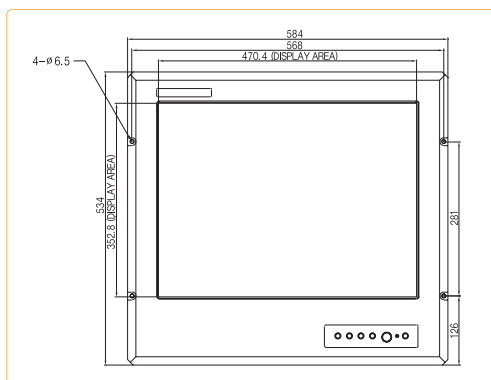
ENVIRONMENTAL SPECIFICATIONS

Test Standards	IEC60945
Oper. Temperature	-15°C to 55°C
Stor. Temperature	-30°C to 70°C
Humidity	95% RH @ 40°C
Altitude (Oper.)	Up to 25,000 ft
Altitude (Stor.)	Up to 40,000 ft
Drip Proof	On front side
Vibration	Sweep 2Hz - 13.2Hz at ±1mm, 13.2Hz - 100Hz at 7m/S ²
EMI/EMC	MIC, FCC Class B VCCI Class B, CCC
Safety	UL/cUL, CE
Available Certification	IEC60945 IEC61174
MTTR	Less than 0.5 hour

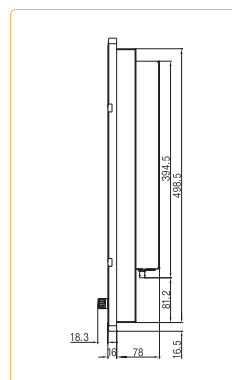
MECHANICAL SPECIFICATIONS

Dimension	584mm x 534mm x 96.7mm (22.99" x 21.02" x 3.81")
Weight	15.2Kg
Bezel Color	Black
Mounting	Panel Mount (Std) VESA Mount (Adapter Kit)

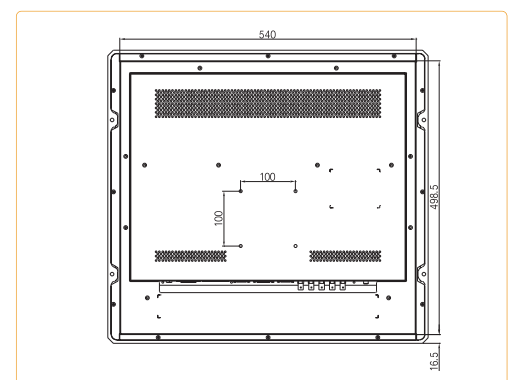
* Detail outline drawings are available upon request.



● Front View



● Side View



● Rear View



World Innovative Display Engineering

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