



MEET WIDE

IDP2800SQ

New 2Kx2K LCD Monitor for Air Traffic Control

Innovation in high-resolution display systems with the latest LCD technology is now available for the air traffic control market. WIDE combines its advanced display technology with a clear view on the demands of air traffic control systems and offers a cost effective solution.

Replacement of the legacy CRT monitor becomes straightforward with our new 'plug & play' 2Kx2K LCD monitor.

Explore your new option. Meet WIDE.

The 2K2K display gives us an excellent opportunity to present our company to the air traffic control market and discuss the endless possibilities of our products & technological experience in your applications.



Advanced Technology

WIDE Corporation is dedicated to providing the world's most advanced display systems technology. Our own manufacturing facilities combined with our skilled research and development team provide us with all possibilities to be innovative while offering a competitive price.

Plug & Play

The high resolution display with 2,048 x 2,048 pixels supports digital as well as analog solutions. Therefore, you can implement the display not only for new ATC or VTC installations

but also for upgrading your legacy CRT monitor working environments. Replacement of the systems becomes now straightforward with our 2K2K 'plug & play' LCD monitor.

Reliability

WIDE Corporation has been well recognized for their precision, stability and reliability in high resolution display markets such as the medical industry.

We commit to deliver the same philosophy of customer satisfaction by arranging user-friendly products, fast delivery and responsive customer support to the ATC market.

WIDE

World Innovative Display Engineering

IDP2800SQ Dependable Rugged Ergonomic Active Matrix-LCD 28.1", 2K x 2K TFT Color LCD Monitor for Air Traffic Control

Main Features

- Latest state-of-the-art LCD with high brightness and high contrast ratio
- Full compatibility with existing analog-based CRT monitor (Sony DDM)
- Multiple input interface with 1 x analog and 2 x digital input with automatic switchover or manual selection
- High performance video controller board designed and manufactured in-house for longer life cycle
- High quality protective front glass with multilayer of index matched optical enhancement film
- Long life and field-replaceable backlight trays
- User friendly slim design and various mechanical versions including Chassis, VESA-mount, and Desktop type

Application Areas

- Air Traffic Control Systems
- Vessel Traffic Service System

ELECTRO OPTICAL SPECIFICATIONS		ENVIRONMENTAL SPECIFICATIONS	
Panel Type	Active Matrix Color TFT LCD – 8bit	Oper. Temperature	0°C to 40°C (32°F to 104°F)
Screen Size	712.4 mm (28.05") diagonal	Stor. Temperature	-25°C to 60°C (-13°F to 140°F)
	503.8 (H) x 503.8 (V) mm (19.83" x 19.83")	Humidity	Operating – 10% to 80% non-condensing
Resolution	2048 (H) x 2048 (V) pixels	Vibration	1.03 Grms for 5 ~ 200 Hz, Random
No. of Colors	16.7M colors, 256 greyscale	Chassis Type with packing	
Pixel pitch	0.246 (W) x 0.246 (H) mm	Altitude (Oper.)	Up to 10,000 ft
Luminance	225 cd/m ² (typical) Max. on LCD	Altitude (Stor.)	Up to 30,000 ft
Contrast ratio	450:1 (typical) @ dark room	EMC - Emission	FCC Part 15 Class A EN55022, EN61000-3-2
Viewing Angle	± 85° (CR ≥ 10) Hor. And Vert.	EMC - Susceptibility	EN55024, EN61000-3-3 MIC, VCCI, CCC
Input Signal	1 x Analog input up to 2048 x 2048 Resolution (Sony DDM Compatible)	MTBF	38,938 hours (Backlight not included)
	2 x Digital input up to 2048 x 2048 Resolution (Dual Link DVI)	MTTR	Less than 0.5 hour
Input Connectors	5 x BNC connectors (Analog) 2 x DVI-D connectors (Digital)	Safety	CE & CB, EN60950-1, EC60950-1 UL / cUL, E216999
Remote Control	RS-422/DB15 (Sony DDM compatible) RS-232/DB9 (WIDE protocol)	Quality Standard	ANSI/IPC-A-610B
Control Panel	2 LED indicators 2 Push Buttons & 1 Rotary Knob On-Screen Display Menu		
Protective Glass	Ultrahigh Efficiency Anti-reflection (UEA) Protector		
Backlight System	3 trays - field replaceable		
Lamp Lifetime	> 50,000 hours (typical)		
Power Supply	100VAC ~ 250 VAC, 50/60 HZ (Std)		
Power Consumption	150 W Max. (typical)		
Power Connector	IEC type connector		

MECHANICAL SPECIFICATIONS		OPTIONAL FEATURES	
Dimension	Chassis Desktop	Desktop Kit	Chassis to Desktop Conversion kit with Stand
- Height	610 mm 649 (+103) mm	Control Panel	Detachable control unit for OSD to be integrated on console
- Width	610 mm		
- Depth (w/handle)	135.4 mm Foot print (177.4 mm) Dia. 380 mm	Spare Backlight Set	3x Backlight trays/set
Construction	Aluminum treated with Alodine 1200		
Chassis:			
Weight	< 25 kg (55 lbs) – Chassis Type < 35 kg (77 lbs) – Desktop		

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