



MEET WIDE

IDP2800SQ

New 2K x 2K 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 2Kx2K 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 2Kx2K '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.



World Innovative Display Engineering

IDP2800SQ Dependable Rugged Ergonomic Active Matrix-LCD 28.1", 2Kx2K 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

| | |
|-------------------|---|
| Panel Type | Active Matrix Color TFT LCD – 8bit |
| Screen Size | 712.4 mm (28.05") diagonal 503.8 (H) x 503.8 (V) mm (19.83" x 19.83") |
| Resolution | 2048 (H) x 2048 (V) pixels |
| No. of Colors | 16.7M colors, 256 grayscales |
| Pixel pitch | 0.246 (W) x 0.246 (H) mm |
| Luminance | 225 cd/m ² (typical) Max. on LCD |
| Contrast ratio | 450:1 (typical) @ dark room |
| Viewing Angle | ± 85° (CR ≥ 10) Hor. And Vert. |
| Input Signal | 1 x Analog input up to 2048 x 2048 Resolution (Sony DDM Compatible) 2 x Digital input up to 2048 x 2048 Resolution (Dual Link DVI) |
| Input Connectors | 5 x BNC connectors (Analog) 2 x DVI-D connectors (Digital) |
| Remote Control | RS-422/DB15 (Sony DDM compatible) RS-232/DB9 (WIDE protocol) |
| 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 | 100 ~ 250VAC, 50/60 HZ (Std) |
| Power Consumption | 150 W Max. (typical) |
| Power Connector | IEC type connector |

ENVIRONMENTAL SPECIFICATIONS

| | |
|----------------------|--|
| Oper. Temperature | 0°C to 40°C (32°F to 104°F) |
| Stor. Temperature | -25°C to 60°C (-13°F to 140°F) |
| Humidity | Operating – 10% to 80% non-condensing |
| Vibration | 1.03 Grms for 5 ~ 200 Hz, Random |
| Altitude (Oper.) | Up to 10,000 ft |
| Altitude (Stor.) | Up to 30,000 ft |
| EMC - Emission | FCC Part 15 Class A EN55022, EN61000-3-2 |
| EMC - Susceptibility | EN55024, EN61000-3-3 MIC, VCCI, CCC |
| MTBF | 38,938 hours (Backlight not included) |
| MTTR | Less than 0.5 hour |
| Safety | CE & CB, EN60950-1, EC60950-1 UL / cUL, E216999 |
| Quality Standard | ANSI/IPC-A-610B |

MECHANICAL SPECIFICATIONS

| | | |
|--------------------|---|---------------------------|
| Dimension | Chassis | Desktop |
| - Height | 610 mm | 649 (+103) mm |
| - Width | 610 mm | 648 mm |
| - Depth (w/handle) | 135.4 mm (177.4 mm) | Foot print Dia. 380 mm |
| Construction | Aluminum treated with Alodine 1200 | |
| Chassis: | | |
| Weight | < 25 kg (55 lbs) – Chassis Type < 35 kg (77 lbs) – Desktop | |

OPTIONAL FEATURES

| | |
|---------------------|--|
| Desktop Kit | Chassis to Desktop Conversion kit with Stand |
| Control Panel | Detachable control unit for OSD to be integrated on console |
| Spare Backlight Set | 3x Backlight trays/set |

WIDE USA Corporation

Tustin, CA, USA
T +1 714 734 9433
F +1 714 734 9431
www.widecorp.com
info@widecorp.com

WIDE EU

Amsterdam, the Netherlands
T +31 20 311 9797
F +31 20 311 9790
www.widecorp.com
steve@widecorp.com

WIDE Corporation

Chungbuk, Korea
T +82 43 219 2800
F +82 43 219 2900
www.widecorp.com
info@widecorp.com



World Innovative Display Engineering