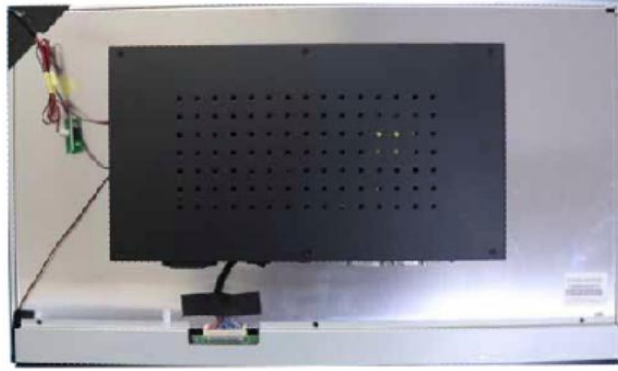


TDD-OFTD-215H

21.5" **Open Frame** High Brightness TFT Displays



Overview

Designed especially for outdoor application, the **TDD High Brightness TFT Displays** include **10.1 to 86 inch, Open Frame, Optical Bonding, Solar Powered, Bar Type, Full Array Local Dimming, Ultra & Custom High Brightness Displays** types, ensuring excellent visibility in direct sunlight. Custom backlight solution & advanced brightness sensor allow for automatic adjustments based on ambient light, optimizing readability and energy efficiency, ensuring the clear visibility at all times and extending the lifespan of the displays – making it the ideal solution for the bright environments.

Features(with Durable Metal Case for Accessories)

- 1000 up to 2500 nits, Sunlight Readable, Wide Operating Temperature
- 24/7 IPS Panel with Industrial Grade LED Backlights (analog / PWM Dimming Control)
- Available in Kits Form, Open Frame, Waterproof Optical Bonding Tempered Glass and Fully Custom Design

Specifications

Panel

| | |
|-----------------------|---|
| LCD Type | TFT / IPS / Transmissive / Normally Black |
| Diagonal Size | 21.5"(16:9), 54.61cm, Active matrix TFT LCD (WLED) |
| Active Area (mm) | 476.64 mm x 268.11 mm |
| Pixel Pitch (H x V) | 0.24795 x 0.24795 mm |
| Resolution | 1920 x 1080 |
| Viewing Angle | Horizontal: 89° or 178° total / Vertical: 89° or 178° (Typ.)(CR≥10) |
| Number of Colors | 16.7 million |
| Brightness (typical) | 1000 nits |
| Response Time-total | 14 (Typ.)(Tr+Td) ms |
| Contrast Ratio | 1000:1 |
| Input Video Frequency | Horizontal: 30 - 60 KHz / Vertical: 50 - 75 Hz |
| Interface | LVDS 30 pins |
| Supply Voltage | 5V (Typ.) |

PCAP Touch Panel **None**

LCD Controller (A/D) Board

| | |
|-----------------------|--|
| Video Interfaces | Default: 1*VGA, 1*HDMI for 1K, 2*HDMI for 4K; Optional: DVI x1, Display Port x1 |
| Connectors & Controls | Audio Mini jack x1 / DC x1; 5 OSD buttons(optional) |
| Power | Supply / Consumption: 100-240 VAC / 12VDC +/- 5%; 40W typical, 1.2W sleep, 0.5W off |
| Mechanical | Outline Dimensions(WxHxD): 517.9x205.8x35mm/Weight (Unpacked/Packed): 3/N/A kg Box Dimensions: N/A / Mounting: Open Frame Form |

Environmental

Operating / Storage Temperature: **-20°C to 70°C** / -30°C to 80°C

Accessories

LCD controller & constant current boards, power supply, **ambient light sensor** & panel cable

Others

MTBF/Warranty/Metal Case/Ready for Use: 50,000 hours demonstrated /1-year / black / 24/7

* TDD (www.tddtouch.com, sales@tddtouch.com) reserves the right to change specifications without prior notice.