

TDD-OFTD-OB238H

23.8" **Open Frame** High Brightness **Optical Bonding** 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	23.8"(16:9), 60.452cm, Active matrix TFT LCD (WLED)
Active Area (mm)	527.04 mm x 296.46 mm
Pixel Pitch (H x V)	0.2745 x 0.2745 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 51 pins
Supply Voltage	5V (Typ.)

Tempered Glass **3mm, Ultra Clear, Anti-mist Optical Bonding** PCAP Touch Panel: **Optional** 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%; 60W typical, 1.2W sleep, 0.5W off
Mechanical	Outline Dimensions(WxHxD): 549.84x323.56x39.5mm/Weight (Unpacked/Packed): 7/N/A kg Box Dimensions: N/A / Mounting: Open Frame Form, Waterproof (Front) Optical Bonding

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.