

# TDD-OFTD-OB215H

21.5" **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 / <b>IPS</b> / 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)	<b>1000 nits</b>
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.)

**Tempered Glass** **3mm, Ultra Clear, Anti-mist Optical Bonding** **PCAP Touch Panel: Optional**

### LCD Controller (A/D) Board

Video Interfaces	<b>Default:</b> 1*VGA, 1*HDMI for 1K, 2*HDMI for 4K; <b>Optional:</b> DVI x1, Display Port x1
Connectors & Controls	Audio Mini jack x1 / DC x1; 5 OSD buttons( <b>optional</b> )
Power	Supply / Consumption: 100-240 VAC / 12VDC +/- 5%; 40W typical, 1.2W sleep, 0.5W off
<b>Mechanical</b>	Outline Dimensions(WxHxD): 517.9x205.8x35mm/Weight (Unpacked/Packed): 6/N/A kg Box Dimensions: N/A / Mounting: <b>Open Frame Form, Waterproof (Front) Optical Bonding</b>

**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](http://www.tddtouch.com), [sales@tddtouch.com](mailto:sales@tddtouch.com)) reserves the right to change specifications without prior notice.