# OTD300HD001

30" TRANSPARENT COLOR ACTIVE MATRIX DISPLAY

**Release Date**
**09th Sep 2025**

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# Features:

It is a Transparent Color Active Matrix Organic Light Emitting Diode Display (T- OLED). The matrix employs Oxide Thin Film Transistor as the active element. It is a Top emission display type. It has a 30 inch diagonally measured active display area with HD resolution (768 vertical by 1366 horizontal pixel array). It is intended to Public Display where transparency, high color gamut, high color depth and fast response time are important.

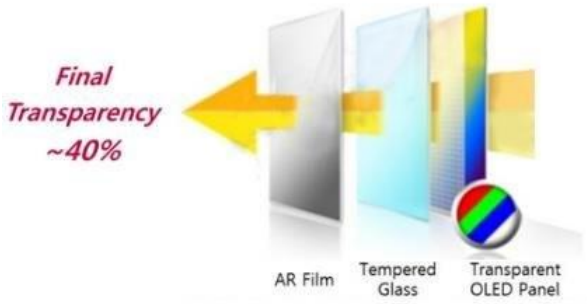
**Features of OLED Transparent Display:**

1. With OLED inherent characteristics, high contrast, wide color gamut, etc.;
2. Display content can be seen in both positive and negative directions;
3. Non-luminous pixels show high transparency, which can realize virtual reality superposition display;
4. Almost borderless

## 1. Comparison of OLED transparent screen and LCD transparent screen

OLED achieved ~40% transparency as conventional LCD display has 10%.

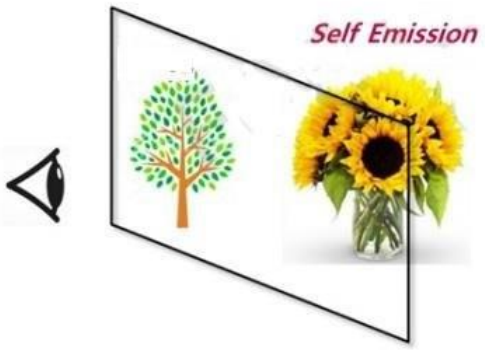
✓ Transparent OLED



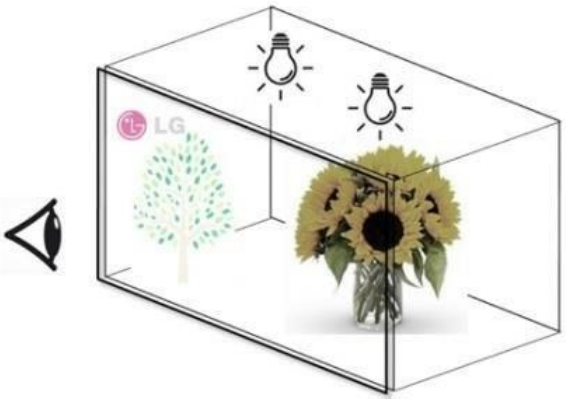

✓ Transparent LCD

OLED backlight free, has outstanding colors and clearence performance.

✓ Transparent OLED




✓ Transparent LCD



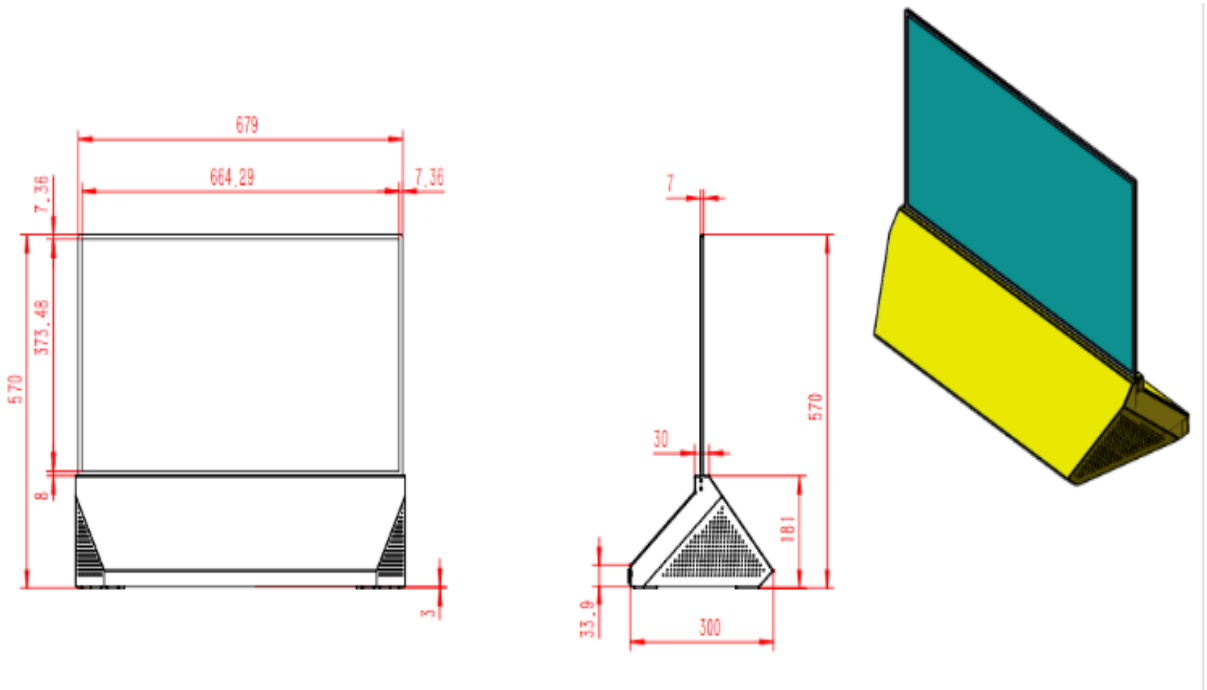
## 2. Specification

| Item | Parameter | Unit | Note |
|---|---|---|---|
| Model | OTD300HD001 | | OEM |
| Panel Size | 30 | Inch | diagonal |
| Panel Type | T-OLED | | |
| Active Area | 664.29(H)×337.48(V) | mm | |
| Resolution | 1366×768(RGBW) [HD] | Pixel | 16:9 |
| Pixel Pitch | 0.4863×0.4863 | mm | |
| Pixel Format | RWBG Quad arrangement | | |
| Color Depth | 10bit(R), 1.07Billon colors | | |
| Display Mode | Normally Transparent | | |
| Surface Treatment | Hard coating (2H) | | |
| Viewing Angle | 60/60/60/60 | （min.） | |
| Contrast | 135,000:1 | | |
| Brightness | 600/200 (Center 1point, Typ.) | cd/m² | White |
| Transparency | 43% | (Typ.) | |
| Storage Temperature | -20 ~ 65 | ℃ | |
| Operating Temperature | 0 ~ 45 | ℃ | |
| Input Interface | HDMI、DP | | |
| Touch Panel | capacitive touch / IR touch | | optional |
| System | Android / Windows | | optional |
| Dimensions | Support OED/EDM | | optional |
| Power Consumption | 38 | Watt | （Typ.） |
| Power Input | AC110~220V | | |
| Life Time | 30,000 | hour | 7*18 Hrs |

## *Note

**2.** The recommended operating temperature of the OLED transparent screen is 20±15 °C and the humidity range is 55±25%.

**3.** The OLED transparent screen is intended for indoor use only. Strong light exposure can cause degradation of polarizers and color filters.

**4.** Display mode: Dynamic mode (moving image). After a static image is displayed for a long time, a residual image will appear on the screen. Operating usages to reduce the risk of image sticking due to static image.
**5.** Do not disassemble or repair yourself to avoid high voltage electric shock or other dangers, should ask professional maintenance personnel to complete all maintenance work.
**6.** Since the screen is mostly used in public places, voltage instability may cause equipment damage. In that case, be sure to use the appropriate voltage regulator for voltage regulation
**7.** If the machine does not work for a long time, please turn off the power.

## 3. Dimensions