**Ultra HD Interactive Digital Board - 86TR3D**

**Easy and Reliable Touch Performance**

With its UHD picture quality and large 86” touch screen, the 86TR3D creates an interactive experience in meeting rooms, classrooms and other collaborative settings. In-Glass Touch technology helps enable a natural on-screen writing experience.

### Features

#### Excellent visibility with Ultra HD

**Large 86” Screen with Ultra HD Resolution**

With a large 86” screen, it can accommodate a wide view range for more viewers in the room. The UHD 86” screen provides vivid images, clear text and crisp video performance, providing a great user experience.

<table>
<thead>
<tr>
<th>Full HD</th>
<th>Ultra HD</th>
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</thead>
<tbody>
<tr>
<td>1,920 x 1,080</td>
<td>3,840 x 2,160</td>
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</table>

#### Wide Viewing Angle with IPS Panel

IPS technology provides a consistent viewing experience at a viewing angle of up to 180 degrees.

#### Multiple Screen

**PBP (Picture by Picture) / PIP (Picture in Picture)**

PBP/PIP enables two different content sources to be displayed in various layout settings including full screen, original ratio, and sub screen modes. This gives users the flexibility to customize their screen spaces based on sources and preferences.
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Features

Outstanding Touch Performance
Small Object Touch
Compared to legacy LG touch signage, the 86TR3D provides a better, more detailed touch experience (minimum radius: 3mm). Additionally, users can write in small-sized letters, check small icons on screen and have a natural writing experience.

Intuitive Touch
InGlass™ touch performance is similar to that of mobile devices, providing users with a familiar feeling when they touch the screen, enabling them to comfortably and accurately use the touch screen.

20 Point Multi-Touch
The 86TR3D can recognize up to 20 points* of simultaneous touch, without the need for a separate pen or stylus.

Enhanced User Experience
Auto Signal Switching
With its auto signal switching function*, the display can detect input/touch signals and automatically change the source if the new input has a higher priority than the previous source*. Users can save time by setting up the signals before a meeting or presentation.

Easy Touch OSD on Display
Users can transition into desired modes and settings by a simple touch on OSD. Users can create shortcuts for inputting their preferences.

Embedded SuperSign IDB
webOS-based SuperSign IDB* enables users to write on the screen without an additional writing solution and media player (PC). The Writing/Drawing function works not only on the basic white background, but also on files opened as png images. The quality of the presentation or lecture is improved simply with LG’s embedded software.

* SuperSign IDB: The name of collaboration and writing software for the Interactive Digital Board (First launching in November 2017)
User-Friendly Configuration

The interfaces are arranged with total focus on user convenience. The side hot key located on the left-hand side allows quick and easy operation of various functions. With the side connectors, the display detects connected devices first (Auto Signal Switching), enhancing usability and connectivity. Two touch pens are placed on either side of the display for easy use and storage. Two 10-W speakers are built in to the front of the screen at each side for a more immersive audio experience without separate speakers.

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**Dimension**

86"

79.8” x 46.5” x 3.8” / 204.4 lbs

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**Brightness Support**

Auto Brightness Sensor

Brightness is automatically adjusted according to ambient light of the surroundings.

**Reader Mode**

Reader mode decreases blue light - which causes eye strain - by 70%, which can improve the comfort of those who are viewing the screen for extended periods.

**Anti-Glare Coating**

The anti-glare coating on the screen reduces reflection for better visibility.

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**Connectivity**

1. HDMI
2. Touch USB
3. OPS USB 2.0
4. USB 2.0

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**Side Hot Key**

1. Assistive Menu
2. Q Test Apps
3. Reader Mode
4. Key Lock
5. Volume Up
6. Volume Down
7. Input
8. Power

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**Magnetic Stylus Pen**

Frontal Built-in Speaker
### Specifications

<table>
<thead>
<tr>
<th>PANEL</th>
<th>86TR3D</th>
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</thead>
<tbody>
<tr>
<td>Screen Size</td>
<td>86&quot;</td>
</tr>
<tr>
<td>Panel Technology</td>
<td>IPS</td>
</tr>
<tr>
<td>Aspect Ratio</td>
<td>16:9</td>
</tr>
<tr>
<td>Brightness</td>
<td>410 cd/m²*</td>
</tr>
<tr>
<td>Viewing Angle (H x V)</td>
<td>178 x 178</td>
</tr>
<tr>
<td>Response Time</td>
<td>8ms (G to G)</td>
</tr>
<tr>
<td>Surface Treatment</td>
<td>Low Haze 3%</td>
</tr>
</tbody>
</table>

**CONNECTIVITY**

- **Input**: HDMI (3), DP, DVI-D, RGB, Audio in, USB 3.0, USB 2.0, OPS USB 2.0
- **Output**: Touch USB 2.0 (2)
- **External Control**: RS232C, RJ45

**PHYSICAL SPECIFICATION**

- **Bezel Color**: Black
- **Bezel Width**: 50.7 mm (T/L/R), 62.2 mm (B)
- **Monitor Dimension (W x H x D)**: 79.8" x 46.5" x 3.8"
- **Weight (Head)**: 204.5 lbs
- **Carton Dimensions (W x H x D)**: 86.2" x 57.9" x 14.6"
- **Packed Weight**: 267.2 lbs
- **Handle**: Yes
- **VESATM Standard Mount Interface**: 600 x 400 mm

**SPECIAL FEATURES**

- Temperature Sensor
- Auto Brightness Sensor
- ISM method
- DPM Select
- Brightness Control
- PM Mode
- Reader Mode
- Crestron SDK
- Wake on LAN
- Energy Saving
- File Play with USB
- 2 PIP/PBP
- Internal Memory (64GB)
- Wi-Fi (802.11n Combo built-in)
- USB Cloning
- Failover
- No Signal Image
- Mirroring
- Soft AP
- BEACON

**ENVIRONMENT CONDITIONS**

- **Operation Temperature Range**: 32° F to 104° F
- **Operation Humidity Range**: 10% to 80%

**POWER**

- **Power Supply**: 100-240V~, 50/60Hz
- **Power Type**: Built-in Power
- **Power Consumption**
  - Typ.: Under 330 W
  - Smart Energy Saving: Under 200 W

**STANDARD (CERTIFICATION)**

- Safety: UL / UL / CB / TUV / KC
- EMC: FCC Class A / CE / KCC
- EUP / Energy Star: NA

**MEDIA PLAYER COMPATIBILITY**

- OPS Type Compatible: Yes
- External Media Player Attachable: No

**SOFTWARE COMPATIBILITY**

- Content Management Software: SuperSign Premium
- Control and Monitoring Software: SuperSign Link

**EMBEDDED COLLABORATION AND WRITING SOFTWARE**

- SuperSign IDB

**ACCESSORY**

- Basic: Remote Controller (include battery 2ea), Power Cord, DVI, HDMI (3M), POE, Phone to RJ232C (2ea), Touch Pen (2ea), Eyebolt (2ea)
- Optional: OPS Kit (KT-OPSA), LSW640A/B (Wall Mount)

**TOUCH SPECIFICATIONS**

- **Touch type**: InGlass™
- **Available object size for touch**: more than Ø 3 mm
- **Accuracy**: 2 mm + 0.2 mm
- **Interface**: USB 2.0
- **Protection Glass Thickness**: 4T (Anti-Glare)
- **Multi touch point**: Max 20 Point

* With Protection Glass: 350cd/m²
** Applied FlatFlag’s InGlass™ Technology

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### Connectivity

- **REAR**: RS232C out, HDMI 2, LAN, RGB in, Audio in, DVI-D in, DP in, HDMI 1
- **SIDE**: HDMI 2, USB 3.0, Touch USB, HDMI 3, Touch USB, OPS USB (2.0), USB 2.0

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Learn more [www.lg.com/b2b](http://www.lg.com/b2b)

[YouTube] [https://www.youtube.com/c/LGCommercialDisplay](https://www.youtube.com/c/LGCommercialDisplay)

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