

Professional Display with Stylish Design for a Variety of Scenes

Catch Attention with Digital Content



Simple Signage Based on USB Memory



Main Features

1. Simple and Flexible Media Signage

- Built-in USB Media Player Enables Video and Still-image Playback via USB
- USB Media Player Features Synchronized Playback on Multiple Displays
- Multi Monitoring & Control Software Features Content List Distribution Function to Distribute Content via Network, Enable Content Rewriting and Display Scheduling*

* Multi Monitoring & Control Software needed. (free)

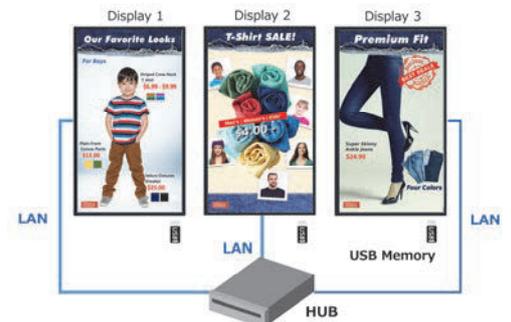
2. Slim & Stylish Design

- Slim 64 mm (TH-32EF1) Depth Suits Any Interior Design Scheme
- IPS Panel for Clear Off-Axis Visibility and Excellent Color Reproduction
- A tilt installation up to 20 degrees forward is also possible. The angle can be adjusted for easy viewing when installed in a high location.

* Landscape setting only

3. Multiple Functions for Operating Signage

- Choice of Input Terminals (HDMI/DVI-D/PC/VIDEO/SERIAL/IR)
- USB Cloning Function Allows Settings to Be Copied and Shared Between Displays
- Free Multi Monitoring & Control Software to Operate Multiple Displays and Projectors via PC (Supports Up to 2048 Devices)

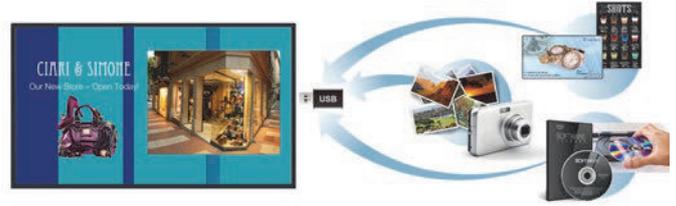


Built-in USB Media Player

It Enables Video and Still-image Playback via USB without Set-top Box or PC

A USB media player is built right into the display, so you simply insert a USB memory stick for automatic video and still-image playback. Signage can be easily created without requiring a set-top box or a PC. You can also compile scenario files to designate the playback order and time. And you can freely revise both the content and display schedule* .

- Depending on the type of a USB memory device, it may come in contact with the periphery such as a back cover, and cannot be attached. Use a commercially sold extension cable, or use a small type of a USB memory device connectable to this unit.
- * Multi Monitoring & Control Software is required. (free)



■ Applicable Input Format

| | |
|-----------------|------------------------------------------------------|
| Still image | JPG, JPEG, JPE |
| Motion Pictures | AVI, MKV, ASF, WMV, TS, MTS, MP4, 3GP, MOV, FLV, F4V |

Multi Monitoring & Control Software Also Supported

Supports Control Software for Multi-Unit Surveillance

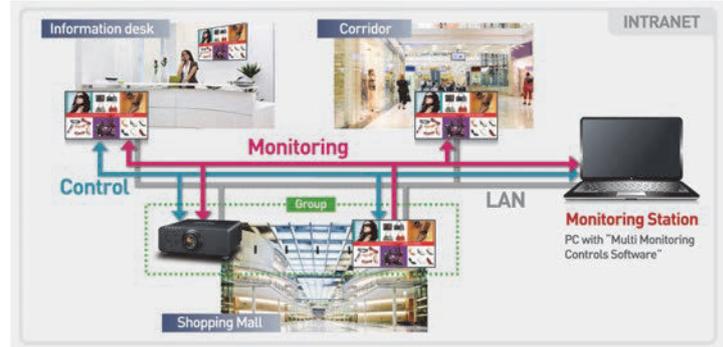
Enables Group Management of Display Status

The EF1 Series is compatible with Multi Monitoring & Control Software, which makes it possible to monitor and control up to 2048 displays with a single PC via a LAN network. This is highly effective for large-scale signage systems. In addition, systems that include Early Warning Software (optional) give you even more detailed display data, for greater monitoring and control convenience.

A Cloning Function Speeds up Multiple Display Set-up

When installing multiple displays, the Cloning function lets you use USB memory to copy the settings of a master display, thus greatly shortening the set-up time.

- The Cloning function works only for displays with the same screen size.



Extensive Connectivity and Speaker for Professional Use

A full complement of input terminals* are provided for versatile signage applications. In addition to supporting various input signals, it also features speakers for content that includes sound.

*HDMI, DVI-D, PC and other input terminals. RS-232C, LAN and other control terminals.

■ Applicable Input signals

| Video signal | PC signal |
|-------------------|-------------------|
| 18 signals | 59 signals |

Slim Design for any Interior Design Scheme

The narrow frame and slim design draw attention to the image. And the flat-panel form does not feel oppressive when mounted on the wall. The High-Visibility IPS Panel makes images easier to see and boosts the signage effect.

Other Features

- Built-in Speaker
- Screen Saver
- Low Power Consumption
- Multi Monitoring & Control Software compatible
- Early Warning Software compatible

Optional Accessories

Pedestal **TY-ST32PE1**

Early Warning Software **ET-SWA100 Series***

* Suffix part of the numbers may differ depending on the license type.

■ Specifications

| Model No. | TH-32EF1 |
|------------------------------------------------|--------------------------------------------------------------------|
| Display | |
| Panel Size / Aspect Ratio | 32-inch (801 mm) / 16:9 |
| Panel Type | IPS / Direct-LED |
| Effective Display Area | 698 x 392 mm |
| Resolution | 1920 x 1080 pixels |
| Brightness (Typ) | 350 cd/m ² |
| Contrast | 1400:1 |
| Response Time | 8.0 ms (G to G) |
| Viewing Angle | 178° / 178° (CR ≥ 10) |
| Connection * | |
| Video | 4-Pole Mini Jack (M3) x 1 |
| HDMI In | HDMI Type A Connector x 2 |
| DVI-D in | DVI-D 24-pin x 1 |
| Audio In (L/R) | Stereo Mini Jack (M3) x 1 (Shared with PC In) |
| PC In | Mini D-Sub 15-pin x 1 (Female) |
| Audio In (L/R) | Stereo Mini Jack (M3) x 1 (Shared with DVI-D In) |
| USB | USB Type A connector x 1, DC 5 V / 1 A (USB 3.0 is not supported.) |
| Control | |
| Serial In | D-Sub 9-pin x 1, RS-232C Compatible |
| LAN | RJ45 x 1 10BASE-T / 100BASE-TX, Compatible with PoE Link™ |
| IR In/Out | Mini Jack (M3) x 1 / x 1 |
| Audio | |
| Built-in Speaker | 20 W [10 W + 10 W] |
| Electrical | |
| Power Requirements | 220-240 V AC, 50 Hz/60 Hz |
| Power Consumption | 65 W |
| On Mode Average Power Consumption ¹ | 55 W |
| Power Off Condition / Stand by Condition | Approx. 0.3 W / Approx. 0.5 W |
| Mechanical | |
| Dimension | 727 x 426 x 64 mm |
| Weight | Approx. 5.3 kg |
| Bezel Width | 11.9 mm (L/R/T) / 17.2 mm (B) |
| Wall-hanging Pitch | VESA compliant 100 x 100 mm |
| Installation | |
| Orientation | Landscape / Portrait |
| Tilting Angle ² | 0-20 degrees forward (Landscape setting) |
| Operating Environment | |
| Temperature | 0°C to 40°C ³ , 0°C to 35°C ⁴ |
| Humidity | 20% to 80% (Non condensation) |

*1 Based on IEC62087 Ed.2 measurement method.

*2 Please contact your sales representative with regard to the tilt angle before installation.

*3 For up to 1400 m altitude.

*4 For between 1400 m to 2800 m altitude. Depending on the temperature or humidity conditions, uneven brightness may be observed. This is not a malfunction. This unevenness will disappear while applying current continuously. If not, consult

* Due to the construction of terminal, some types of connecting cable or USB memory device cannot be used. Be sure to make confirmation with reference drawing of terminal spec. sheet.

URL: <http://panasonic.net/prodisplays/download/specsheet02.html>



For the latest information about Panasonic Professional Displays, please visit:

Professional Display Global Website – panasonic.net/prodisplays

YouTube – www.youtube.com/PanasonicProDisplay

Facebook – www.facebook.com/panasonicprojector

www.panasonic-center.at

All information included here is valid as of May 2016.