Panasonic
BUSINESS

FULL HD LCD Display
EF1 Series
32-inch class **TH-32EF1**
April/2017

Professional Display with Stylish Design for a Variety of Scenes

Catch Attention with Digital Content

Simple Signage Based on USB Memory

In Plane Switching | 350 cd/m | USB Media Player | Narrow | Portrait
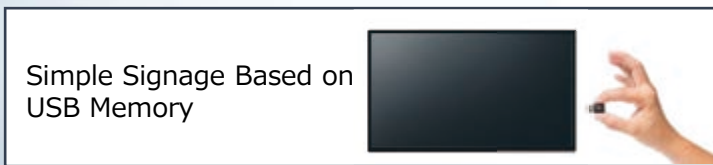
Main Features

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 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)
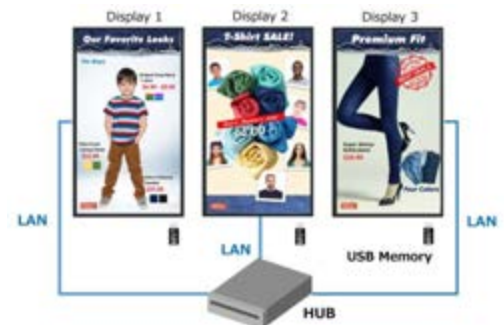
Built-in USB Media Player

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)

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.

■ Applicable Input Format

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

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.

* Large screen models (TH-84EF1/TH-75EF1) also available.

For more information please visit:
panasonic.net/cns/prodisplays/products/ef1/

■ Specifications

Model No.	TH-32EF1
Display	
Panel Size / Aspect Ratio	32-inch (801 mm) / 16:9
Panel Type	IPS / Direct-LED
Effective Display Area (W x H)	698 x 392 mm (27.5" x 15.4")
Resolution	1920 x 1080
Brightness (Typ.)	350 cd/m²
Contrast Ratio	1400:1
Response Time	8.0 ms (G to G)
Viewing Angle (Horizontal/Vertical)	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 PJLink™
IR In/Out	Mini Jack (M3) x 1 / x 1
Audio	
Built-in Speaker	20 W [10 W + 10 W]
Electrical	
Power Requirements	110-227 V AC/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 (W x H x D)	727 x 426 x 64 mm (28.7" x 16.8" x 2.5")
Weight	Approx. 5.3 kg (11.7 lbs.)
Bezel Width	11.9 mm (0.5") (L/R/T) / 17.2 mm (0.7") (B)
Wall-hanging Pitch	VESA compliant 100 x 100 mm (3.9" X 3.9")
Installation	
Orientation	Landscape / Portrait
Tilting Angle*²	0-20 degrees forward (Landscape setting)
Operating Environment	
Temperature	0°C to 40°C (32°F to 104°F)*³, 0°C to 35°C (32°F to 95°F)*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 (4593 ft) altitude.
*4 For between 1400 m (4593 ft) to 2800 m (9186 ft) 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.
* 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: https://panasonic.net/cns/prodisplays/download/spec_manual.html

All information included here is valid as of April 2017.