### TH-55AF1, TH-49AF1, TH-42AF1 Series

<table>
<thead>
<tr>
<th>Display panel</th>
<th>Screen size (diagonal)</th>
<th>Number of panels (H x W)</th>
<th>Brightness (typ.)</th>
<th>Contrast ratio</th>
<th>Dynamic contrast ratio</th>
<th>Response time</th>
<th>Viewing angle (Horizontal/Vertical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FULL HD LCD Display</td>
<td>55-inch (1387 mm)</td>
<td>1209 x 800</td>
<td>300 cd/m²</td>
<td>1000:1</td>
<td>50000:1</td>
<td>8 ms (G to G)</td>
<td>178 ° / 178 ° (CR ≥ 10)</td>
</tr>
<tr>
<td></td>
<td>49-inch (1232 mm)</td>
<td>1073 x 680</td>
<td>300 cd/m²</td>
<td>1000:1</td>
<td>50000:1</td>
<td>8 ms (G to G)</td>
<td>178 ° / 178 ° (CR ≥ 10)</td>
</tr>
<tr>
<td></td>
<td>42-inch (1064 mm)</td>
<td>927 x 521</td>
<td>300 cd/m²</td>
<td>1000:1</td>
<td>50000:1</td>
<td>8 ms (G to G)</td>
<td>178 ° / 178 ° (CR ≥ 10)</td>
</tr>
</tbody>
</table>

**Specifications**

**Model**: TH-55AF1, TH-49AF1, TH-42AF1

**Display panel**
- Full HD LCD Display

**Screen size (diagonal)**
- 55-inch (1387 mm)
- 49-inch (1232 mm)
- 42-inch (1064 mm)

**Number of panels (H x W)**
- 1209 x 800 (55"
- 1073 x 680 (49"
- 927 x 521 (42"

**Brightness (typ.)**
- 300 cd/m²

**Contrast ratio**
- 1000:1

**Dynamic contrast ratio**
- 50000:1

**Response time**
- 8 ms (G to G)

**Viewing angle (Horizontal/Vertical)**
- 178 ° / 178 ° (CR ≥ 10)

**OpenPort PLATFORM ® OS**
- Android 4.4.3

**CPU**
- Cortex-A9, 1.0 GHz (Quad)
- Vivante GC2000

**Memory**
- 1 GB
- 8 GB

**Storage**
- 8 GB

**Connection terminals for OpenPort PLATFORM ®**
- USB
  - USB connector (TYPE A) x 3, USB 2.0
- Micro-USB
  - Micro-USB x 1, Micro-B, USB 2.0
- microSD card slot
  - microSD/SDHC card slot x 1
- LAN
  - RJ45 x 1 for network connection, 10BASE-T/100BASE-TX/1000BASE-T, compatible with PJLink™
- Wireless LAN
  - IEEE 802.11a/b/g/n

**Video In**
- BNC x 1 (shared with Component/RGB In Y/G)

**Component/RGB In**
- BNC x 1 set

**HDMI In**
- TYPE-A connector x 2 (VIERA LINK is not supported.)

**DVI-D In**
- DVI-D 24-pin x 1, DVI Revision 1.0 compliant, HDCP 1.1 compatible

**DVI-D Out**
- DVI-D 24-pin x 1, DVI Revision 1.0 compliant, HDCP 1.1 compatible

**PC In**
- Mini D-sub 15-pin x 1 (DDC 2B compatible)

**Audio In**
- Stereo mini-jack (M3) x 2 (shared with Component/RGB In/Video In)

**Audio Out**
- Stereo mini-jack (M3) x 1

**USB**
- USB connector (TYPE A) x 1, DC 5 V/1 A (USB 3.0 is not supported.)

**Control**
- Serial In/Out
  - D-sub 9-pin x 1 / x 1, RS-232C compatible
- IR In/Out
  - Stereo mini-jack (M3) x 1 / x 1

**Speaker**
- 20 W [10 W + 10 W]

**Electrical**
- Power requirements
  - 110–127/220–240 V AC, 50/60 Hz
- Power consumption
  - On mode power consumption* 2: 145 W
  - Approx. 0.3 W
  - Power consumption
  - Approx. 0.5 W when OpenPort PLATFORM ® set to OFF, Approx. 20 W when OpenPort PLATFORM ® set to ON

**Mechanical**
- Dimensions (W x H x D)
  - 55-inch: 1229 x 699 x 72 mm / 48.4˝ x 27.6˝ x 2.8˝
  - 49-inch: 1093 x 623 x 72 mm / 43.1˝ x 24.6˝ x 2.8˝
  - 42-inch: 947 x 541 x 72 mm / 37.3˝ x 21.3˝ x 2.8˝
- Dimensions (W x H x D) (excluding handle part)
  - 55-inch: 1209 x 680 x 71 mm / 47.6˝ x 26.7˝ x 2.8˝
  - 49-inch: 1073 x 680 mm / 42.2˝ x 26.7˝
  - 42-inch: 927 x 521 mm / 36.5˝ x 20.5˝
- Weight
  - Approx. 25.0 kg (55.2 lbs)
  - Approx. 19.3 kg (42.6 lbs)
  - Approx. 15.6 kg (34.4 lbs)
- VESA compliant
  - 200 x 200 mm (7.9˝ x 7.9˝)
  - 400 x 400 mm (15.8˝ x 15.8˝)

**Environment**
- Temperature: 0 °C to 40 °C (32 °F to 104 °F) (for up to 1400 m altitude), 0 °C to 35 °C (32 °F to 95 °F) (for between 1400 m and 2800 m altitude)
- Humidity: 20–80 % (non-condensation)
- Altitude: 0–2800 m

*1 Total capacity of storage including OS.

*2 Based on IEC 62087 Ed.2 measurement method.

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

**Optional Accessories**
- Pedestal
- Early Warning Software
- Auto Display Adjustment Upgrade Kit
- ET-SWA100 Series* 1

*1 Part number suffix may differ depending on the license type.

*2 Supports Version 1.2 or later.

For more information about Panasonic professional displays, please visit:
- Global Website – panasonic.net/cns/prodisplays/
- YouTube – www.youtube.com/PanasonicProDisplay

For more information about Panasonic professional displays, please visit:
- Global Website – panasonic.net/cns/prodisplays/
- YouTube – www.youtube.com/PanasonicProDisplay

All information included here is valid as of February 2017.

CT17-G01PF-AF1 Printed in Japan.
Professional Signage Display Featuring Android™-based OpenPort PLATFORM®

Evolving with Your Needs
Simple, expandable, and reliable, the AF1 Series’ Android™-based OpenPort PLATFORM® is powered by a high-performance SoC (System on a Chip) with a 1 GHz quad-core CPU, 1 GB of memory, and 8 GB* of internal storage. Together with verified apps created by global alliance partners for custom signage and other roles in business, these adaptive displays deliver your message with maximum impact now and in the future.

Expandable
Panasonic API Expands Application Functions
Panasonic’s clear and intuitive API (Application Programming Interface) enables the expansion of application functions, allowing the display to be controlled remotely without need of RS232C or other complicated applications.

Supports Connection of Peripheral Devices
Peripheral devices such as a mouse, keyboard, or USB camera can be connected to AF1 Series displays to further expand functionality.

Supports External Memory Devices
USB memory and microSD cards can also be used to expand the 8 GB internal memory storage capacity.

Reliable
A Reliable, Fully Certified Platform
The OpenPort PLATFORM® based on Android™ is fully certified by Google to assure stable, secure, and reliable operation.

Built for Continuous 24/7 Operation
Use of quality electronic components guarantees dependable 24-hour operation seven a week, even in portrait orientation. Tilt installations of up to 45 degrees forward or backward is also supported. This makes the AF1 Series ideal for signage installations in variety of locations, such as public spaces, shops, malls, and restaurants.

Simple
No Need for External Devices and Cables
Thanks to the built-in media player function, external devices such as set-top boxes, PCs, and associated cabling are not required for digital signage applications. Wesley functionality paves the way to simple, stress-free installation while saving you time and money.

Panasonic Original Home Screen
Initial setup of network and language preferences is easy using the remote controller* and original Panasonic Home Screen.

Simple App Installation
Applications are easily accessed and installed via Panasonic App Server*, which streamlines settings before operation. App installation is also enabled via USB memory or microSD card.

Make Your Signage Easy with Panasonic Application
AF1 Series displays include a built-in Signage Player Application* that eliminates need of an external Set-top Box (STB). As well as saving space, your signage system becomes smart and simple.

Play Content Automatically with Scheduling Function
Content Management Software for PC Version 1.1 (free) enables easy playlist creation with media support including combinations of still and video images. You can set up schedules for playing and closing your media playlist at pre-determined dates and times.

Convenient Playlist and Schedule Syncing
Playlists and schedules created with Content Management Software can be transferred to displays with USB memory, microSD Card, or via LAN. Synchronized playback on multiple displays is also supported.

Fanless Design
AF1 Series’ robust fanless design prevents problems caused by the intake of dusty air. The displays can be safely installed and operated in high-traffic environments.

* Certain partner apps not supported.
For more information about Content Management Software Version 1.1, please visit: https://panasonic.net/cns/prodisplays/download/software/

* OpenPort PLATFORM® Version 2.0 firmware or later is required.
For more information about Content Management Software Version 1.1, please visit: https://panasonic.net/cns/prodisplays/download/software/