

## Product specification

Model No.	TH-47LFX60	TH-47LFX6N
<b>DISPLAY</b>		
Screen Size (Diagonal)	47-inch class (1,192 mm)	
Aspect Ratio	16:9	
Effective Display Area (W x H)	1,039 x 584 mm (40.9" x 23.0")	
Panel Type	IPS/Direct-LED	
Number of Pixels (H x V)	1,920 x 1,080 pixels	
Brightness (Typ)	2,000 cd/m <sup>2</sup>	1,200 cd/m <sup>2</sup>
Contrast Ratio	1,300:1	
Dynamic Contrast	500,000:1	
Viewing Angle (Horizontal /Vertical)	178°/178°	
<b>CONNECTION TERMINAL</b>		
HDMI In	HDMI Type A Connector x 1	
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 x1 (Female)	
Audio In (L/R)	Stereo Mini Jack (M3) x 1 (Shared with DVI-D In)	
DIGITAL LINK	RJ45 x 1 (Shared with LAN)	
<b>CONTROL</b>		
Serial In	D-Sub 9-pin x 1, RS-232C Compatible	
LAN	RJ45 x 1, 100BASE-TX, Compatible with PLink™ (Shared with DIGITAL LINK)	
<b>AUDIO</b>		
Audio Out	Pin Jack (L/R) x 1 set	
<b>ELECTRICAL</b>		
Power Requirements	110-127/220-240 V AC, 50/60 Hz	
Power Consumption	370 W	270 W
Power Off Condition	Approx. 0.3 W	
Stand-by Condition	Approx. 0.5 W	
Outdoor Mode On	Approx. 41 W	
Network Stand-by Mode	Approx. 16 W	
<b>MECHANICAL</b>		
Dimensions (W x H x D)	1,162 x 706 x 216 mm (45.8" x 27.8" x 8.5")	
Weight	Approx. 47.0 kg (103.6 lbs.)	
Protection Glass	Yes	
Pitch for Wall-Hanging	VESA Compliant 400 x 400 mm (15.8" x 15.8")	
<b>ENVIRONMENTAL</b>		
Direct Sunlight Capability (Measures Against Blackout)	Yes (Built-in air cooling system)	
Dust and Water Resistant Level	IP55	
Operating Environment*1	Temperature: -20 °C*2 / 0 °C to 50 °C (-4 °F*2 / 32 °F to 122 °F)	
	Humidity : 20 % to 80 % (Non Condensation)	

\*1 Don't use in places where the presence of corrosive gases or salt damage area. \*2 When used in Outdoor mode.

# Panasonic®



For more information about Panasonic Professional Display, please visit:  
Professional Display Global Website - [panasonic.net/prodisplays](http://panasonic.net/prodisplays)  
YouTube - [www.youtube.com/PanasonicProDisplay](http://www.youtube.com/PanasonicProDisplay)

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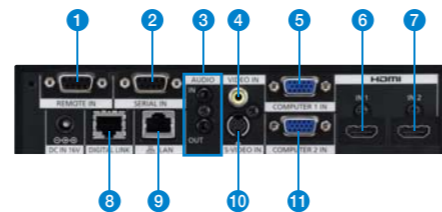
## Optional Accessories

Replacement Air Filter  
**TY-AF60STD**

Digital Interface Box  
**ET-YFB100G**



### Terminals



- 1 REMOTE Input
- 2 SERIAL Input
- 3 AUDIO Input/Output
- 4 VIDEO Input
- 5 COMPUTER Input 1
- 6 HDMI Input 1
- 7 HDMI Input 2
- 8 DIGITAL LINK Output
- 9 LAN
- 10 S-VIDEO Input
- 11 COMPUTER Input 2

Early Warning Software  
**ET-SWA100**

Early Warning Software monitors the status of displays connected to an intranet and informs you when an abnormality is detected or predicted, and when there are symptoms of trouble. This minimizes displays downtime to support more stable operation.

# Panasonic

Tough LED Display  
47-inch class  
**TH-47LFX60**  
**TH-47LFX6N**

Crisp, Clear Information is Provided with High Brightness.  
Ideal for Outdoor Places Subject to Rain,  
Dust and Strong Sunlight



1. High Visibility

2. Durability

3. System Expandability



All information included here is valid as of April 2014.

CT14-G03PF-LFX Printed in Japan.

## TH-47LFX60

2000 cd/m<sup>2</sup>



Even when sunlight directly strikes the display, the high-brightness of 2,000 cd/m<sup>2</sup>\* makes images easy to see.

\* LFX60 series



IP55 dust and water resistance makes it ideal for displaying information outdoors.

## TH-47LFX6N

1200 cd/m<sup>2</sup>



	TH-47LFX60	TH-47LFX6N
Brightness	2,000 cd/m <sup>2</sup>	1,200 cd/m <sup>2</sup>
IP	IP55	
Operating Environment	-20 °C* / 0 °C to 50 °C (-4 °F* / 32 °F to 122 °F)	
Rotation	Portrait/Landscape	
DIGITAL LINK	Yes	

\* When used in Outdoor mode.

### High Visibility

#### High-Brightness 2,000 cd/m<sup>2</sup> Model\* with Wide-Viewing-Angle IPS Panel and LED Backlight

The use of a bright LED backlight achieves a brightness of 2,000 cd/m<sup>2</sup> for the LFX60 and 1,200 cd/m<sup>2</sup> for the LFX6N. This provides a sharp image display even in brightly lit places, for excellent visibility capable of accurately relaying information. Choose the model that matches your usage environment.

\* TH-47LFX60 only.

#### The IPS Panel Makes It Easy to Read from Many Positions

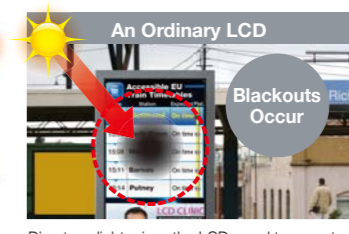
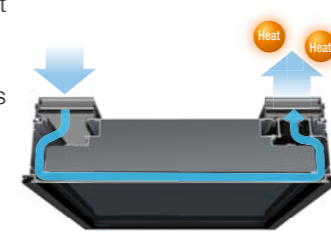
The IPS panel displays clear images, and colors appear unchanged even when the image is viewed from an angle top or bottom, right or left. It provides accurate information to many people in a large place such as a public facility.



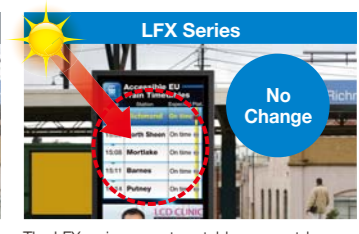
### Durability

#### Forced Air-Cooling System Helps to Prevent Blackouts and Dew Condensation

Outside air is brought into the cabinet to produce an airflow between the front glass and the LCD panel. This suppresses internal temperature rises and prevents blackouts when the display is installed outdoors. It also serves as a countermeasure against condensation.



Direct sunlight raises the LCD panel temperature and causes blackouts.



The LFX series operates stably even outdoors under direct sunlight.

#### Highly Durable Display Resists Temperature Changes

Featuring an operating temperature range of -20°C\*1 to 50°C (-4 °F\*1 to 122 °F), performance remains unchanged even in cold and hot climates.

\*1: When used in Outdoor mode.

#### Aluminum Cabinet and Tempered Glass

The aluminum cabinet strongly resists corrosion. In addition, tempered glass ensures rugged strength against impacts.



\* Results from a Panasonic test environment. However, this does not imply a guarantee of those values.

#### Dust and Water Resistance Performance – Ideal for Outdoor Installation

IP level dust and water resistant performance provides tough durability in harsh conditions.

Dust Resistance		Water Resistance	
Level	Degree of Protection	Level	Degree of Protection
5	Protected against dust limited ingress (no harmful deposit)	5	Protected against water jet.

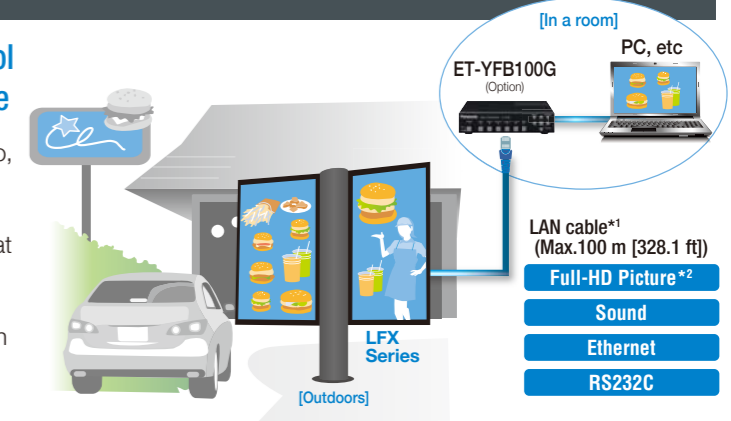
\* What is IP?: This denotes the degree of dust and water resistance. IP is an abbreviation of the international standard Ingress Protection. Defined in the IEC60529 international standard.

### System Expandability

#### DIGITAL LINK for Transmission of Video, Audio and Control Signals for up to 100 m [328.1 ft] with a Single LAN Cable

Only a single LAN cable\*1 is required to transmit uncompressed HD video, audio and control signals for a distance of up to 100 m [328.1 ft]. The signal degradation risk is able to be smaller without limit. This enables indoor installation of the PC and other devices connected to the display at an outdoor location in order to protect the PC and devices from rain and dust. Since only one cable needs to be connected between the PC and panel, cable routing work is quick and easy. Because a control signal can also be sent simultaneously, it is easy to upgrade the system by combining it with the optional ET-YFB100G Digital Interface Box.

\*1: Use an STP cable of CAT5e or higher. \*2: WUXGA (1,920 × 1,200 pixels) compatible.



**DIGITAL LINK** is an original function added to HDBaseT™ technology. Used together with the ET-YFB100G Digital Interface Box, or other compatible equipment, the installation of this display is easier than ever without any need for external receivers.

See the following URL for information on other-brand peripheral equipment for which operation was confirmed.  
<http://panasonic.net/prodisplays/support/digitalink.html>

\* HDBaseT™ is a trademark of the HDBaseT Alliance.



\* In case of running for a long time, the moving image is recommended to be displayed. If you display a still picture for an extended period, the image retention might remain on the screen. However, image retention can gradually disappear by displaying a moving images.  
\* Depending on the usage environment, the filter and inside surface of the protective glass may require regular cleaning.