



## TH-47LFX60 / TH-47LFX6N

### TOUGH LED DISPLAY

**CRISP, CLEAR INFORMATION IS PROVIDED WITH HIGH BRIGHTNESS. IDEAL FOR OUTDOOR PLACES SUBJECT TO RAIN, DUST AND STRONG SUNLIGHT.**

#### High Visibility

High-brightness 2,000 cd/m<sup>2</sup> model\* with wide-viewing-angle IPS panel and LED backlight providing a sharp image display even in brightly lit places.

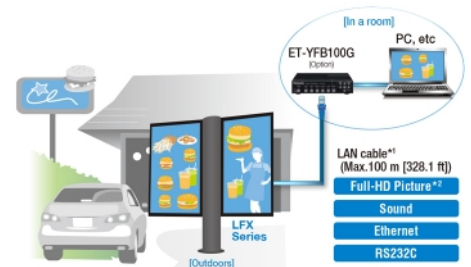
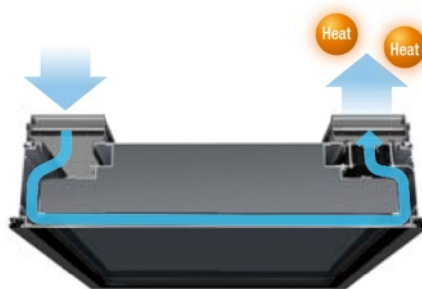
\* TH-47LFX60 only, 1,200 cd/m<sup>2</sup> for the TH-47LFX6N

#### Durability

Forced air-cooling system helps to prevent blackouts and dew condensation. Resists temperature changes and is dust and water resistant - ideal for outdoor installation.

#### 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.



# Product specification

Model No.	TH-47LFX60	TH-47LFX6N
<b>DISPLAY</b>		
Screen Size (Diagonal)	47-inch (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	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 Proof, Water-resistant Level	IP55	
Operating Environment <sup>†1</sup>	Temperature: -20 °C <sup>‡</sup> / 0 °C to 50 °C [-4 °F <sup>‡</sup> / 32 °F to 122 °F] / Humidity: 20 % to 80 % (Non Condensation)	
<b>Optional Accessories</b>		
Replacement Air Filter	TY-AF60STD	
Digital interface box	ET-YFB100G	
Early Warning Software	ET-SWA100	

<sup>†1</sup> Don't use in places where the presence of corrosive gases or salt damage area. <sup>‡2</sup> When used in outdoor mode.

## The IPS panel makes it easy to read from many positions

The IPS panel displays clear images, and colours 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.



## Dust and water resistance performance - ideal for outdoor installation

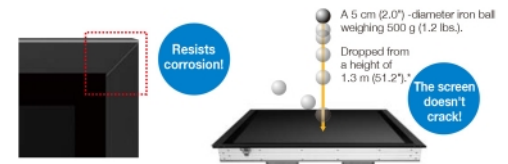
IP level dust and water resistant performance provides tough durability in harsh conditions.

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.

<sup>\*</sup> 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.

## Aluminium cabinet and tempered glass

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



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

## DIGITAL LINK - Transmission of video, audio and control signals with a single LAN cable

Only a single LAN cable<sup>\*</sup> 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.

<sup>\*</sup> Use an STP cable of CAT5e or higher

## Highly durable display resists temperature changes

Featuring an operating temperature range of -20°C<sup>\*</sup> to 50°C [-4 °F<sup>\*</sup> to 122 °F], performance remains unchanged even in cold and hot climates.

<sup>\*</sup> When used in outdoor mode.

For more information about Panasonic displays, please visit:

Display Website – [business.panasonic.co.uk/visual-system](http://business.panasonic.co.uk/visual-system)