Panasonic

Full HD LED Displays
80-inch class TH-80LF50
70-inch class TH-70LF50

Large-Screen LED Displays with Eye-Catching Brightness and Rugged Reliability

80

70

LED | 24/7 Operation | Narrow | Portrait | SLOT 2.0
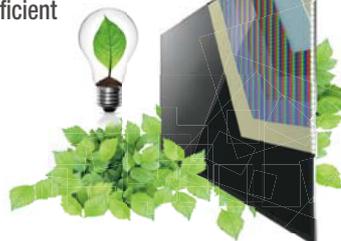
[Main Features]

Large Screen and High Brightness

High 700-cd/m² brightness and 5,000:1 contrast ensure excellent, eye-catching visibility even in large public spaces. This greatly increases the promotional value for signage use.
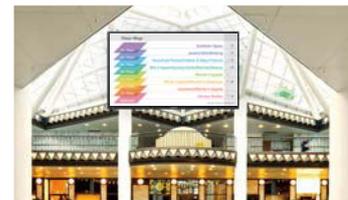
High Reliability

The highly durable panel allows continuous, 24/7 operation. The LED backlight also saves energy for extremely efficient operation.

Slim Design with 89-mm (3.5") Depth

This ultrathin design has a depth of only 89 mm (3.5"). Its light weight also enables ceiling-suspension, for greater installation flexibility.

Large-Screen, High-Brightness

Large-Screen, High-Brightness Display Capable of Displaying Clear Images Even in Bright Places

High 700-cd/m² brightness and 5,000:1 contrast ensure excellent, eye-catching visibility even in large public spaces. This greatly increases the promotional value for signage use.

Edge Light System Used for Backlighting
The edge light system requires a small number of LED units because the lights are installed only on the edges of the LCD panel. This saves energy. The display unit can also be made thin and light.

- Bright 700-cd/m² LED backlight
- Low power consumption design
- Horizontal and vertical installation supported

High Reliability

24/7 Operation
The tough design makes the display panel suitable for use as signage that operates all day and night in places such as restaurants, shopping malls and transportation facilities.

Day / Night

Premium Blend

* 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.

Fan-less Design
The fan-less design prevents malfunctions otherwise caused by dust particles brought in by the fan. This enables safe installation in crowded areas.

Protective Glass (Optional)
Since the protective glass fits inside the bezel, the external dimensions remain virtually the same. The glass protects the LCD panel surface so the display can be installed in busy public areas.
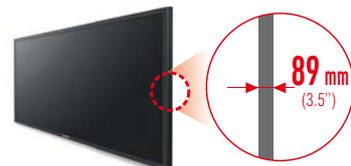
Slim Design

A Slim Design that Fits almost any Installation Location
The display can be installed in a permanent hanging position using eyebolts. Wall-mount brackets and hanging fixtures in compliance with VESA specifications can also be used for flexible installation.

Stylish Slim and Lightweight
A simple design with a slim bezel of approximately 30 mm (1.2") (TH-70LF50) and thickness of only 89 mm (3.5") facilitates signage applications by enabling installation just about anywhere.

89 mm (3.5")

■ Product specification

Model No.	TH-80LF50	TH-70LF50
DISPLAY		
Screen Size (Diagonal)	80-inch (2,032 mm)	70-inch (1,765 mm)
Aspect Ratio	16:9	
Panel Type	LED	
Effective Display Area (W x H)	1,771 x 996 mm (69.7" x 39.2")	1,538 x 865 mm (60.5" x 34.0")
Number of Pixels (H x V)	1,920 x 1,080 pixels	
Brightness (Typ)	700 cd/m²	
Contrast Ratio	5,000 : 1	
Response Time	9 ms (G to G)	
Viewing Angle (Horizontal/Vertical)	178° / 178°	
CONNECTION TERMINAL		
VIDEO In/Audio In (L/R)	BNC x 1 / RCA Pin Jack x 1 set	
HDMI In	HDMI Type A x 1	
Component/RGB In/Audio In (L/R)	BNC x 1 set / RCA Pin Jack x 1 set	
DVI-D In/Audio In (L/R)	DVI-D 24-pin x 1 / M3 jack x 1 (Shared with PC In)	
PC In/Audio In (L/R)	Mini D-Sub 15-pin x1 (Female) / M3 jack x 1 (Shared with DVI-D In)	
DVI-D Out	DVI-D 24-pin x 1	
Function Slot	SLOT2.0 x 1	
CONTROL		
Serial In/Out	D-Sub 9-pin x 1 / x 1, RS-232C Compatible	
LAN Control	RJ45 10BASE-T/100BASE-TX, Compatible with PJLink™	
ELECTRICAL		
Power Requirements	110-240 V, 50/60 Hz	
Power Consumption	Approx. 380 W	Approx. 260 W
Power Off Condition/Stand-by Condition	0.3 W / 0.5 W	
AUDIO		
Line Out	RCA Pin (L/R) x 1 set, Output level: Variable (−∞ - 0 dB)	
MECHANICAL		
Dimensions (W x H x D)	1,848 x 1,073 x 89 mm (72.8" x 42.3" x 3.5")	1,604 x 931 x 89 mm (63.2" x 36.7" x 3.5")
Weight	Approx. 60.0 kg (Approx. 132.3 lbs.)	Approx. 47.0 kg (Approx. 103.6 lbs.)
ENVIRONMENTAL		
Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F) / Humidity: 20% to 80% (Non Condensation)	

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All information included here is valid as of April 2014.