Panasonic

Super Narrow Bezel LED Display

55-inch class **TH-55LFV50**
55-inch class **TH-55LFV5**
47-inch class **TH-47LFV5**

A Super Narrow Bezel for Optimal Multi-Screen Layouts.

For Displays with High Visibility

High-brightness model
TH-55LFV50

Anti-glare model
TH-55LFV5

Anti-glare model
TH-47LFV5
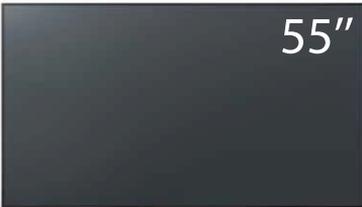
1 High Visibility
2 High Durability
3 Easy Installation

LED · 24/7 Operation · Pre Calibration · Super Narrow · Portrait

With 3 models available, you can choose the one that meets your needs.

The high-brightness model displays easy-to-see images even in bright places, such as airports and shopping malls.

TH-55LFV50
Anti-Refrection

800 cd/m²

55"

LED | 24/7 Operation | Pre Calibration | Super Narrow | Portrait

The high brightness of 800 cd/m² is ideal for information displays in places that are full of bright light or in signage applications for shops inside shopping malls.

This model suppresses ambient light reflection and reduces glare to make text and information easy to see.

TH-55LFV5
Anti-Glare

500 cd/m²

55"

LED | 24/7 Operation | Pre Calibration | Super Narrow | Portrait

TH-47LFV5
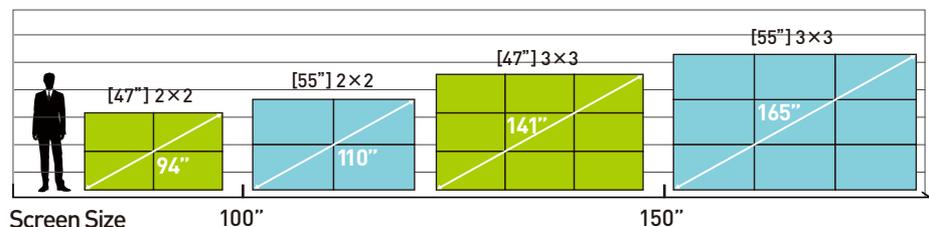Anti-Glare **new**

500 cd/m²

47"

LED | 24/7 Operation | Pre Calibration | Super Narrow | Portrait

The super-narrow bezel of the LFV5 reduces the joint width when installed in a video wall configuration, providing a nearly seamless display. And the glare reducing panel makes the screen easy to see, ideal for use in control rooms for traffic or logistics management where highly detailed information is displayed.

Video Wall Sizes to Match the Installation Location

This newly released 47-inch model lets you choose the video wall size to match your installation conditions.

Screen Size

[47"] 2×2 — 94"
[55"] 2×2 — 110"
[47"] 3×3 — 141"
[55"] 3×3 — 165"

100"
150"

The tough demands for multi-screen use.

High Reliability Enables Continuous 24-Hour Operation

The use of a highly durable panel and electronic components allows continuous 24-hour operation, ideal for installation in public places, surveillance stations, etc. A built-in cooling fan automatically operates (when set to Auto) depending on the temperature. This prevents overheating in the upper screens of a multi-screen installation, which are easily subject to heating.

* In case of 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.
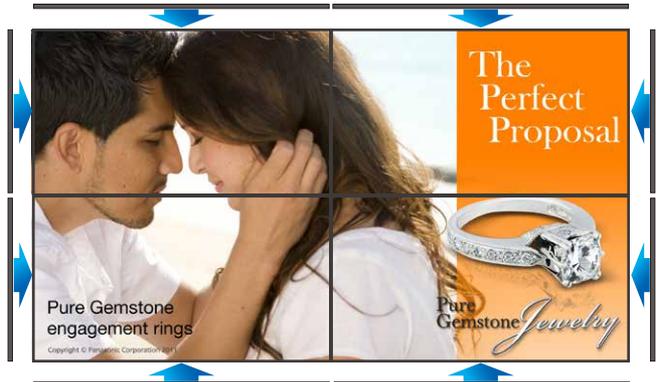
Slim Even with the Optional Cover Frame Attached

Attaching the cover frame to the unit provides even stronger protection against impacts.The screw holes for attaching the frame cannot be seen, so they do not adversely affect the beauty of the display.

Cover Frame Kit (Option)
TY-CF47VW5 (For 47-inch Model)
TY-CF55VW50 (For 55-inch Model)

Support to Installation in a Multi-Screen System

Pre-Calibration

Colors are pre-calibrated prior to factory shipment, to minimize color differences between displays for multi-screen use. This makes it possible to create single images without any visible differences from display to display*.
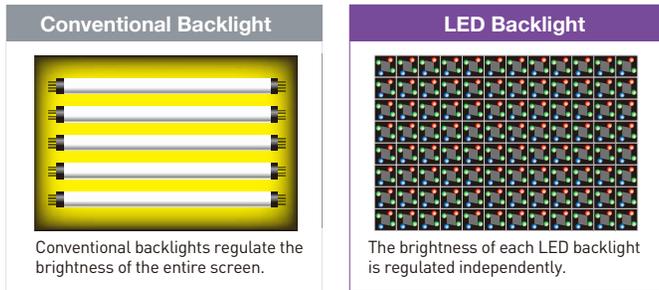
User Memory Function (LFV5 only)

The user can store color adjusted data in the main unit memory.By simply retrieving the stored data, the unit can be re-installed without bothersome calibration*.

 * There are cases, however, when the visual adjustments are needed once the video wall installed.

The LED backlight offers both low power consumption and high contrast.

Direct-lit LED Backlight Used

The black reproduction is maintained in dark areas while bright areas are displayed more brightly to achieve a high level of contrast.

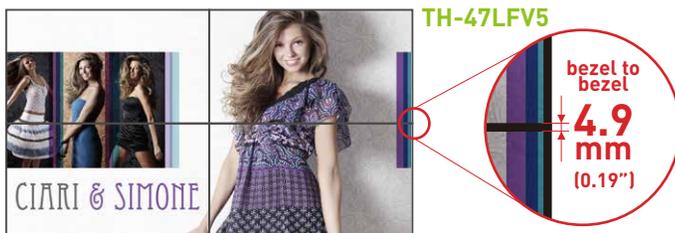| Conventional Backlight	LED Backlight
Conventional backlights regulate the brightness of the entire screen.	The brightness of each LED backlight is regulated independently.

Because the backlight is lit even for dark scenes, the screen images are bright overall, causing blocked shadows.

The partial control of the LED backlight reproduces both robust blacks for night sky scenes and the shadows around buildings, and high brightness for a brightly shining moon.

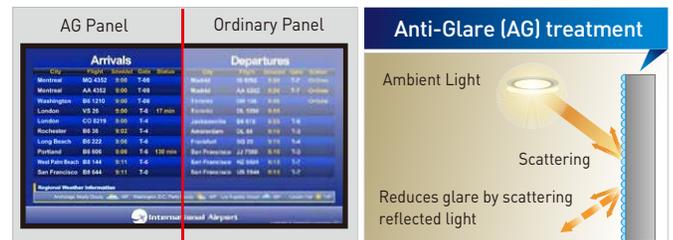## A wide viewing angle with the IPS Panel

No information is lost when viewed from right or left angles, and images are clear and easy to see.

178º

Reduce reflection of external light, Anti-Glare (AG) treatment Panel
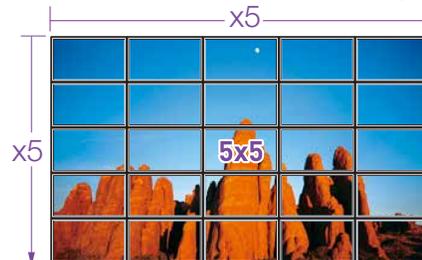(LFV5 Series Only)

The AG layer scatters light reflected from the sun or illumination to reduce glare. This provides greater visibility. It is ideal for use in surveillance stations and public facilities.

AG Panel | Ordinary Panel

Anti-Glare (AG) treatment

Ambient Light

Scattering

Reduces glare by scattering reflected light

Super Narrow Bezel with 4.9-mm (0.19") Thinness

The super-narrow bezel results in joints that are only 4.9 mm (0.19") wide for video wall installations. Even in large-screen configurations, the screen borders can barely be seen, so images are powerful and natural.

CIARI & SIMONE

TH-47LFV5

bezel to bezel
4.9 mm
(0.19")

✳ The 55-inch models are 5.3 mm (2.1") wide.

Multi-Screen System Dynamically Displays Images in Large Spaces

The Multi-Display function enlarges images up to five times their original size, both vertically and horizontally. It enlarges images by the same zoom ratio in both vertical and horizontal directions, such as 2x2, 3x3, 4x4 and 5x5, or by different ratios in order to effectively use vertically or horizontally elongated spaces. Display versatility can be further enhanced by freely selecting the zoom ratio to match the installation space.

x5

x5

5x5

* A mounting bracket compliant with VESA standards is required for wall mounting.
* Some degradation occurs when images are enlarged.
* Provide an appropriate air-conditioned environment because the ambient temperature varies depending on the installation condition and location.
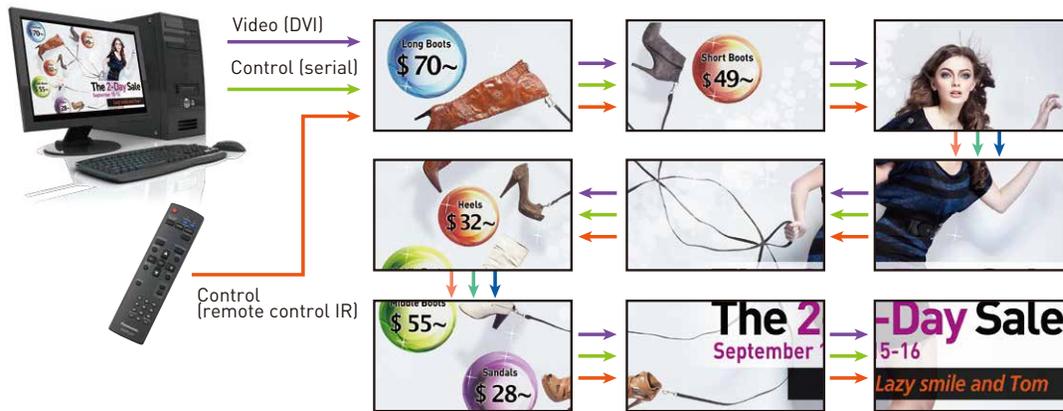
Images can be enlarged in 24 different ways.

Enhance the ability for suitable multi-screen signage installation

Video Signals for Up to 10 Displays, and Control Signals for Up to 25 Displays Can Be Connected by Daisy Chain Connection

The terminal board for the LFV Series is equipped with DVI-I and serial output terminals. DVI video signals for up to 10 displays, and serial signals for up to 25 displays can be transmitted by a daisy chain connection. This enables a multi-screen system to be configured using only displays and video sources, with no need for a video splitter or other device. Using an optional Remote Control Kit, up to 25 displays can be operated by a single remote control.

* To operate a single display within a multi-screen system, an ID number must be set with the remote control.

Video (DVI)
Control (serial)
Control (remote control IR)

Turnkey Solution for Multi-window Presentations

The ET-MWP100G Panasonic Multi-Window Processor (option) makes it possible to quickly and efficiently combine multiple displays and projectors into a video wall or a multi vision system. The ET-MWP100G can be used to build a wide range of creative, impressive images that were never before possible, including video walls, digital signage, TV studio displays, and live stage screens.

Major Features

- Single or multiple output layouts and multiple canvases
- Simultaneous use of multiple layouts and canvases
- One or more windows (PinPs) on each canvas with 360° rotation of each window
- 16 interface board slots
- Low power consumption of max 160 W* with 16 interface boards mounted
- Bezel area adjustment capable for flat panel displays

Multi-Window Processor
ET-MWP100G (Option)

*When using a single power supply unit. The power consumption becomes180 W when the optional ET-RPS100G power supply unit is added.

Output Pattern Example

■ Multiple picture in picture

Four displays

Display	Display
Display	Display

■ Free layout for different display device

Projector and displays

| Projector | Display |
| | Display |

■ Product specification

Model No.	TH-55LFV50	TH-55LFV5	TH-47LFV5
DISPLAY			
Screen Size (Diagonal)	55-inch (1,387 mm)		47-inch (1,192 mm)
Aspect Ratio	16:9		
Panel Type	IPS / DIRECT LED		
Number of Pixels (H x V)	1,920 x 1,080 pixels		
Brightness	800 cd/m²	500 cd/m²	500 cd/m²
Contrast Ratio	1,400 : 1		
Dynamic Contrast	500,000 : 1		
Response Time	10 ms (G to G)		12 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178°/178°		
CONNECTION TERMINAL			
VIDEO In	BNC x 1 (Shared with Component-Y)		
Audio In (L/R)	Pin Jack x 1 set (Side) (Shared with Component In)		
HDMI In	HDMI Type A x 1		
Component In	BNC x 1 set		
Audio In (L/R)	Pin Jack x 1 set (Side) (Shared with VIDEO In)		
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)		
DVI-I Out	DVI-I 29-pin x 1		
Audio Out (L/R)	Pin Jack x 1 set		
CONTROL			
Serial In/Out	D-Sub 9-pin x 1/D-Sub 9-pin x 1, RS-232C Compatible		
LAN	RJ45 x 1 (Web Browser Control Only)		
IR Transmitter In/Out	IR x 1/ x 1		
AUDIO			
Speaker Out	8Ω, 20 W [10 W + 10W]		
ELECTRICAL			
Power Requirements	110-127 V AC, 50 Hz/60 Hz (U model)/220-240 V AC, 50/60 Hz, (W model)		
Power Consumption	320 W	220 W	160 W
Stand-by Condition	Approx. 0.5 W		
MECHANICAL			
Dimensions (W x H x D)	1,216 x 687 x 122 mm (47.9" x 27.1" x 4.8")		1,045 x 590 x 109 mm (41.2" x 23.3" x 4.3")
Bezel Width	3.4 mm (0.14") [Left/Top], 1.9 mm (0.08") [Right/Bottom]		3.2 mm (0.12") [Left/Top], 1.7 mm (0.07") [Right/Bottom]
Weight	Approx. 36.0 kg (79.3 lbs)		Approx. 25.0 kg (55.1 lbs)
ENVIRONMENTAL			
Operating Environment	Temperature: 0 °C to 40 °C (32 °F to 104 °F)		
	Humidity: 10% to 90% (Non condensation)		

Panasonic®

For more information about Panasonic Professional Display, please visit:

Professional Display Global Website: **panasonic.net/prodisplays**
YouTube: **www.youtube.com/PanasonicProDisplay**

All information included here is valid as of February 2014.

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