Ultra-narrow Bezels Provide Cohesive Video-Wall Images

Narrow frame design reduces bezel-to-bezel distance to a near-invisible 0.9 mm. Even when viewed close up, video walls look as seamless as possible, delivering vivid imagery across large video walls.

Delivers Stable Brightness for Up to 6 Years

The VF1 Series incorporates our Long Life and Auto Brightness Adjustment function in Long Life Mode. Backlight brightness is automatically adjusted to maintain consistent brightness for long-term operation, extending the life of the display. Auto Brightness Adjustment: On

Narrow, improved multi-screen visibility and minimized bezel-to-bezel distance to near-invisible 0.5 mm.

Improved Multi-screen Video Visibility

When high-speed signals are passed through multiple monitors, some images may not appear enlarged naturally. This TH-55VF1H series features a Video Scale Function that adjusts the processing of enlarged images. Option: Auto Brightness Adjustment: On

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Panasonic’s close relationship with end users and the resale industries has enabled development of specialized turnkey video-wall solutions that exceed the demands of professionals by streamlining installation, safeguarding reliability, and enhancing performance around the clock. Serving high-impact images, the VF1H, LFV70, LFV6, and LFV8 Series assure high visibility and ease of operation unrivalled by any other brand.

Panasonic Solutions Meet Every Challenge

**“Make multiple screens look like a single screen.”**
Developed VF1H Series with 1.8 mm Bezel-to-Bezel Width

**“Create dynamic 4K images on multiple screens.”**
4K Image Output on Multiple Screens (LFV8)

**“Prevent video-image misalignment where panels meet.”**
Developed Frame Control / Reverse Scan Function (VF1H)

**“Extend life and maintain stable brightness for years.”**
Developed Auto Brightness Adjustment for VF1H Series

**“Make it quicker, easier, and cheaper to install.”**
Developed DIGITAL LINK and Modular Mounting Frame (VF1H/LFV70)

**“Save me on calibration and maintenance.”**
Developed Video Wall Manager Software and Auto Display Adjustment Upgrade Kit

Panasonic LCD Video Wall Series Feature Comparison

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![Panasonic Solutions Meet Every Challenge](image)

**From Unboxing to Operation: Where You Save**

- **Conventional**
  - Installation and Layout Adjustment
  - Cabling
  - Color Adjustment for Each Display
  - Display installation is labor intensive
  - Requires multiple cables
  - Each display requires color adjustment with remote control transmitter

- **Panasonic**
  - Installation and Layout Adjustment
  - Cabling
  - Color Adjustment for Each Display
  - Precise panel-surface alignment
  - Simple single-cable connection
  - Shipped factory pre-calibrated
  - Auto Display Color Adjustment with camera

- **Time saved, less cost!**

*Optional accessories are required.
Ultra-narrow Bezel for Impressive Video Walls

Ultra-narrow frames on Panasonic’s LCD Video Wall Series reduce bezel-to-bezel distance to a near-invisible 1.8 mm*. Even when viewed close-up, screen borders are almost indiscernible, resulting in truly spectacular large-format images.

Panel Surface Treatment Ensures High Visibility

The AG layer on LCD Video Wall Series displays scatter reflections natural or artificial light, improving visibility. In particular, the AG treatment enhances screen clarity in surveillance stations and public facilities. The 49UFV features a refined Anti-Glare Low-Reflection (AG-LF) panel, improving visibility by adding a low-reflection coating over the anti-glare treatment.

Backlight Optimization Improves Contrast

Highly efficient direct-lit LED backlighting with Local Dimming assures high 500,000:1 contrast performance. Backlight brightness is automatically optimized to deepen blacks in dark areas and boost whites in light areas of individual scenes displayed on screen for more realistic and immersive picture quality.

IPS Panel Improves Off-Axis Visibility

High-resolution IPS (In-Plane Switching) panel technology ensures that pictures displayed on screen remain clearly visible even when observed from oblique angles: vital for signage applications as well as in control rooms where clear visibility is necessary at all times.

Optimized Image Modes

Conventional display panels usually include basic display mode presets such as Standard and Dynamic. The Panasonic LCD Video Wall Series (except the LFV70/80 Series), however, features an extensive selection of display modes to suit specific content, video sources, and lighting environments to achieve optimal performance.

Wide-Angle Color Accuracy

Panasonic IPS panel preserves true color accuracy across a wider proportion of the specified 178-degree viewing angle than conventional VA panels.

High-Performance Imaging Engine

Color and image quality can be fine-tuned and customized to assure natural uniformity across all displays in multi-screen configuration.

Color Enhancement

Display images with enhanced color intensity.

Refine Enhancer

Corrects blurry image contrast that result from resizing to improve resolution.

Color-Matching

Corrects any unevenness in color between multiple screens. R (red), G (green), and B (blue) along with intermediate colors (cyan, magenta, and yellow) are corrected individually on each display.

Gradation Smoother

Eliminates noise components from input video signals for noise-free image reproduction.

Multi-screen Image Syncing via USB and Media Updates via LAN

The Panasonic LCD Video Wall Series is adapted to digital signage—just connect USB memory devices to inputs on each display in 2 x 2 multi-screen configuration for automatically synchronized 4K (4 x 1080p) images. No external devices or processors are required. This function also serves as a backup in case the primary video source fails. Multi Monitoring & Control Software*1 allows media to be written to USB memory via LAN*2, perfect in situations where the display is difficult to access.

Reliability and Flexibility for Professional Users

Failover and Failback Safeguards Maintain Image Display

Digital signals comprise one or two DVI-D terminals together with HDMI (v1.3a), DisplayPort, and USB inputs. If the primary audio-video signal is interrupted, the display immediately switches to an alternative input. When the primary signal is recovered during backup display, the original image is restored automatically. This makes the Panasonic LCD Video Wall Series ideal for use in control rooms and in other applications where uninterrupted playback is essential.

Reliability and Flexibility

Multi-screen System for High-Impact Images in Large Spaces

Multi-Display Function enlarges images up to 100 times their original size*. It can increase image size using the same zoom ratio in both vertical and horizontal directions to suit 2 x 2, 3 x 4, 4 x 3, 5 x 5, and 10 x 10 video-wall configurations, or can apply different ratios to suit alternative screen layouts. In this way, users can maximize image size according to video-wall size and shape.

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New Multi Monitoring & Control Software

Full HD Full HD

LCP Video Wall Series Lineup

Basic functions

TH-55LFV70

Optional

Supports up to 2,048 devices

TH-55LFV70

* Software functionality varies depending on the model.

Basic functions

Early Warning Software*1

Target Models

TH-55LFV8, TH-49LFV8

Depending on the model, equipment may be equipped with a CE mark or a “Notified Body mark” (Europe only).

Early Warning Software

Video Wall Manager / TY-VUK10 Specification

For more information, please see the website.

Multi-screen Configuration for Automatically Synchronized 4K (4 x 1080p) Images

Multi-screen Video Wall displays. Any enlarged video can be smoothly played on multiple displays. Refer to page 9 for more details.

Display is not included. Refer to page 10 for more information.

For more information about Digispark’s products, please visit: https://panasonic.net/cns/prodisplays/products/ty-vuk10/

Improved Multi-screen Video Visibility

Multi-Screen Display (Up to 2048 displays) / DIGITAL LINK Switcher ET-YFB200G

Multi-Monitoring & Control Software enables real-time monitoring, abnormality detection, and notification before servicing is required. Multi-monitoring can achieve seamless control and monitoring, while minimizing potential risk and saving time, labor, and energy consumption.

Smart Signage via USB Memory

USB Multi-Monitoring & Control Software enables media to be written to USB memory devices via LAN, perfect in situations where the display is difficult to access.

Optimized Image Modes

The LCP feature on widescreen displays to set specific content, video sources, and lighting environments to achieve optimal performance. Refer to page 8 for more information.

Authorized Early Warning Software

Please visit the Panasonic website (https://panasonic.net/cns/prodisplays/zoom/pass/) to access PT-MZD1071, PT-MZ671S/670S, PT-MZ670X, 49LFV8, and 55LFV8 early warning software. Up to 2,048 displays and projectors can be monitored simultaneously.

Video Wall Manager Software and Auto Display Adjustment Upgrade Kit

Precision Video-Wall Mounting System

Factory-matched and Pre-calibrated Color

Colours are pre-calibrated at the factory prior to shipment in order to retain color difference between panels intended for multi-screen configuration. This makes it possible to reduce time for visual adjustment on-site.

Improved Color Accuracy

Multiple displays can be daisy-chained via a single LAN cable*, smoothing the way to Video Wall Manager Software and Auto

*DisplayPort daisy chain

Precision Video-Wall Mounting System

- Back panel
- Front panel
- Hardware
- Display Panel

Installation Mount

DIGITAL LINK Switcher ET-YFB200G

Network camera (device monitoring)

Options

Display Adjustment Upgrade Kit

Video Wall Manager (TY-VUK10) Specification

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Improved Multi-screen Video Visibility

Multi-Screen Display (Up to 2048 displays) / DIGITAL LINK Switcher ET-YFB200G

Multi-Monitoring & Control Software enables media to be written to USB memory devices via LAN, perfect in situations where the display is difficult to access.

Optimized Image Modes

The LCP feature on widescreen displays to set specific content, video sources, and lighting environments to achieve optimal performance. Refer to page 8 for more information.

Authorized Early Warning Software

Please visit the Panasonic website (https://panasonic.net/cns/prodisplays/zoom/pass/) to access PT-MZD1071, PT-MZ671S/670S, PT-MZ670X, 49LFV8, and 55LFV8 early warning software. Up to 2,048 displays and projectors can be monitored simultaneously.

Video Wall Manager Software and Auto Display Adjustment Upgrade Kit

Precision Video-Wall Mounting System

Factory-matched and Pre-calibrated Color

Colours are pre-calibrated at the factory prior to shipment in order to retain color difference between panels intended for multi-screen configuration. This makes it possible to reduce time for visual adjustment on-site.

Improved Color Accuracy

Multiple displays can be daisy-chained via a single LAN cable*, smoothing the way to Video Wall Manager Software and Auto

*DisplayPort daisy chain

Precision Video-Wall Mounting System

- Back panel
- Front panel
- Hardware
- Display Panel

Installation Mount

DIGITAL LINK Switcher ET-YFB200G

Network camera (device monitoring)

Options

Display Adjustment Upgrade Kit

Video Wall Manager (TY-VUK10) Specification

For more information, please see the website.

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