

Panasonic

LH-NP09P27 | LH-NP12P27 | LH-NP15P27 | LH-NP18P27 | LH-NP25P27



PFP SERIES

INDOOR LED DISPLAY

PRODUCT OVERVIEW

The Panasonic PFP Series showcases premium pixel-pitch LED Display, delivering vibrant, high-resolution visuals in a sleek 16:9 aspect ratio. Available in pixel pitches of 0.9mm, 1.2mm, 1.5mm, 1.8mm, and 2.5mm, it's designed to excel in a wide range of environment.

With a remarkable 3840 Hz refresh rate, it ensures a seamless, lag-free visual experience, even during fast-moving content. Lightweight and engineered for hassle-free front maintenance, this series also supports HDR and Panasonic SignEdge technology, making it a versatile, high-performance solution for any application.



16:9

16:9
Aspect Ratio

160°

Wide Viewing
Angle



High Contrast
Ratio up to 7000:1



Light Weight
Cabinet

KEY FEATURES

HIGH BRIGHTNESS UP TO 800 NITS



Brilliant shadows and visible details in highlights with 800 nits of brightness. From bright sunlight to well-lit environments, crystal-clear visibility ensured in both indoor and outdoor settings.



HIGH CONTRAST RATIO UP TO 7000:1



With grayscale enhancement, experience visuals rich in contrast, featuring deeper blacks and brighter highlights for a more realistic image quality.



Normal LED Display

Panasonic LED Display



HIGH REFRESH RATE OF 3840 Hz.

Clearer visual quality and reduced motion blur, for a seamless and immersive viewing experience, enabled with a high refresh rate of 3840 Hz.



8 Bit

16 Bit

281 TRILLION COLOURS

LED Display comes with 16-bit depth producing more colors than any other LED Display giving more realistic images.

VISUAL PERFECTION WITH 16:9 LED CABINETS

Designed with a 16:9 aspect ratio for HD, Full HD, and Ultra HD screens. From retail to office purposes, this LED Display series is fit for all.

16:9 Aspect Ratio



WIDE VIEWING ANGLE

LED Display provides immersive visuals without limitations, with wide viewing angles up to 160° which allow audiences to see everything on the screen from different directions.



LIGHTWEIGHT CABINET

Lightweight cabinet designed for ease of installation and transport. Ideal for dynamic environments which requires flexible assembly.

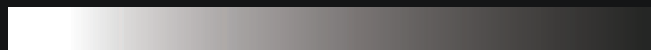


HDR-SUPPORTED LED DISPLAY

Immersive and life-like definition which captivates audiences enabled by High Dynamic Range support, which provides improved brightness range, enhanced contrast, wider colour gamut and preserves details. HDR performance is further optimised by local dimming and pixel-level control.



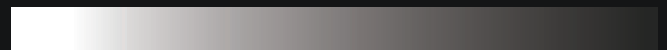
Contrast



Color



Contrast

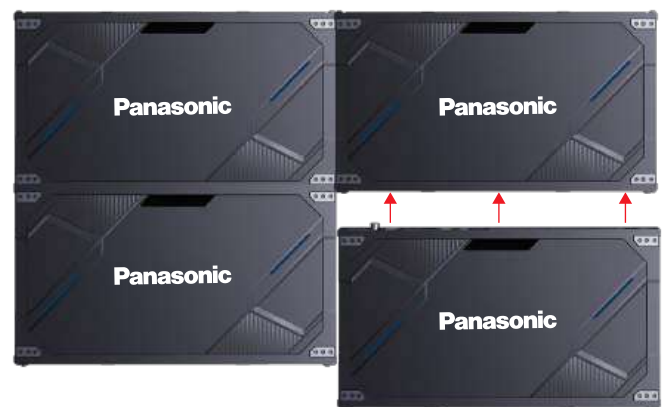


Color



EASY INSTALLATION WITH FRONT MAINTENANCE

Experience quick and hassle-free installation with a front-accessible design for ultimate convenience.



COMPATIBLE WITH SIGNEDGE SOLUTION

Indoor LED displays are compatible with SignEdge, helping you present information on various LED displays remotely and wirelessly, ensuring seamless content management with ease.*



Uploading
Content



Content
Scheduling



Content
Publication



Monitoring
& Control



*Please contact your Panasonic representative for further details.

SPECIFICATION

MODEL NUMBER	LH-NP09P27	LH-NP12P27	LH-NP15P27	LH-NP18P27	LH-NP25P27
Physical Parameters					
Pixel Configuration	SMD 3 in 1	SMD 3 in 1	SMD 3 in 1	SMD 3 in 1	SMD 3 in 1
Pixel Pitch [mm]	0.94	1.25	1.56	1.88	2.5
Module Resolution [W x H]	320*180	240*135	192*108	160*90	120*68
Module Dimension [W x H, mm]	300*168.75	300*168.75	300*168.75	300*168.75	300*168.75
Weight per Module [kg]	0.49	0.49	0.49	0.49	0.49
NO. of Modules per Cabinet [W x H]	4	4	4	4	4
Cabinet Resolution [W x H]	640*360	480*270	384*216	320*180	240*135
Cabinet Dimensions [W x H x D, mm]	600*337.5*57	600*337.5*57	600*337.5*57	600*337.5*57	600*337.5*57
Cabinet Surface Area [m²]	0.203	0.203	0.203	0.203	0.203
Weight per Cabinet [kg/Cabinet]	6.2	6.2	6.2	6.2	6.2
Weight per Square Meter [kg/m²]	31	31	31	31	31
Physical Pixel Density [pixels/m²]	1,137,777	640,000	409,600	284,444	160,000
Flatness of Cabinet [mm]	0.1	0.1	0.1	0.1	0.1
Cabinet Material	Aluminium Diecast	Aluminium Diecast	Aluminium Diecast	Aluminium Diecast	Aluminium Diecast
Service Access	Front & Rear	Front & Rear	Front & Rear	Front & Rear	Front & Rear
Optical Specifications					
Max. Brightness [After Calibration, nit]	800	800	800	800	800
Color Temperature [K]	3000~10000	3000~10000	3000~10000	3000~10000	3000~10000
Visual Viewing Angle [H x V]	160/160	160/160	160/160	160/160	160/160
Brightness Uniformity	98.20%	98.20%	98.20%	98.20%	98.20%
Color Uniformity	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy	±0.003Cx,Cy
Contrast Ratio	7000:1	7000:1	7000:1	7000:1	7000:1
Processing Depth [bit]	16	16	16	16	16
Electrical Specifications					
Power Consumption [W/Cabinet, Max.]	108	106	106	100	92
Power Consumption [W/Cabinet, Avg.]	36	36	36	36	36
Power Consumption [W/m², Max.]	540	530	530	500	460
Heat Dissipation [BTU/h/Cabinet, Max.]	368	362	362	341	314
Heat Dissipation [BTU/h/Cabinet, Avg.]	373	366	366	345	318
Heat Dissipation [BTU/h/m², Max.]	1842	1808	1808	1706	1570
Power Supply [V]	AC100~240V	AC100~240V	AC100~240V	AC100~240V	AC100~240V
Frame Rate [Hz]	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Refresh Rate [Hz]	3,840	3,840	3,840	3,840	3,840
Operation Specifications					
LED Lifetime [Half Brightness]	100,000	100,000	100,000	100,000	100,000
Operating Temperature [°C]	-10~40	-10~40	-10~40	-10~40	-10~40
Operating Humidity	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%
IP Rating Front/ Rear	IP51/IP50	IP51/IP50	IP51/IP50	IP51/IP50	IP51/IP50
Environment					
	Indoor	Indoor	Indoor	Indoor	Indoor

*Technical specifications may change without notice.

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