



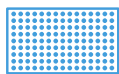
# PAL SERIES

## OUTDOOR LED SIGNAGE

Vibrant Display For A Brilliant View

# PRODUCT OVERVIEW

Discover the PAL Series Outdoor LED Signage crafted to support true 16:9 screens and engineered for exceptional visual brilliance. Built to perform seamlessly in any environment, including extreme weather conditions like heavy rain, scorching heat, or intense sunlight, it ensures crystal-clear visibility with an ultra-bright display exceeding 7500 nits.



1280x960mm  
LED Cabinet Size



16:9 Screens



IP66 Protection



Available in 4.44, 6.67,  
10.00 Pixel pitches (mm)



Aluminium Cabinet



Energy Saving



High Contrast Ratio  
up to 15000:1



High Brightness

## KEY FEATURES

### Immersive Picture Quality

Unleash breathtaking visuals with vivid colors, intense contrast, and remarkable sharpness; displays designed to captivate and immerse you in a world of striking clarity.



### 16:9 LED Signage for Superior Content Integration

PAL 16:9 Screens enables effortless display of existing content, eliminating the need for customization and helping reduce operational costs.

### 7500 Nits Brightness for Clear Outdoor Visibility

Delivers vivid, clear visuals even in bright outdoor environments, maintaining exceptional visibility and color accuracy under direct sunlight.



Normal LED Signage



Panasonic LED Signage



## Superior Weather Resistance IP66-Rated

The PAL Series offers IP66-rated front & rear protection, ensuring durability and reliable performance in extreme outdoor conditions.

## High Contrast Ratio

With a high contrast ratio of 15000:1, the display delivers deep blacks, rich hues, and remarkable visual sharpness bringing content to life with exceptional depth and realistic picture quality.



Normal LED Signage



Panasonic LED Signage

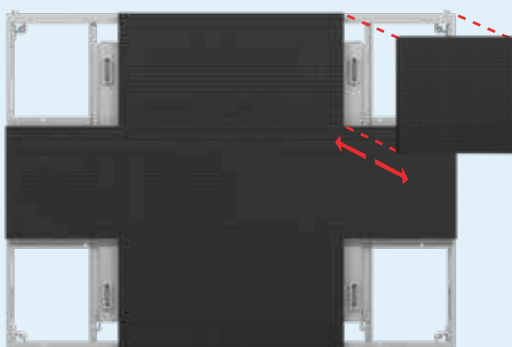


## Cost Effective & Energy Efficient

Panasonic outdoor LED displays offer high brightness and visibility with 30% lower power consumption. Advanced energy-saving tech ensures reduced operational costs and extended product lifespan.

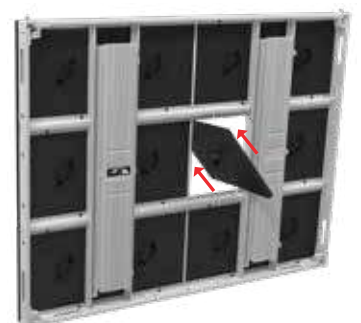
## Easy & Flexible Installation

Displays designed using stackable blocks for consistent quality, no matter the size.



## Convenient Maintenance

Hassle-free front and back access for quick and easy maintenance.



# COMPATIBLE WITH SIGNEDGE SOLUTION

Easier and More Convenient Content Playback and Management\*



UPLOADING  
CONTENT



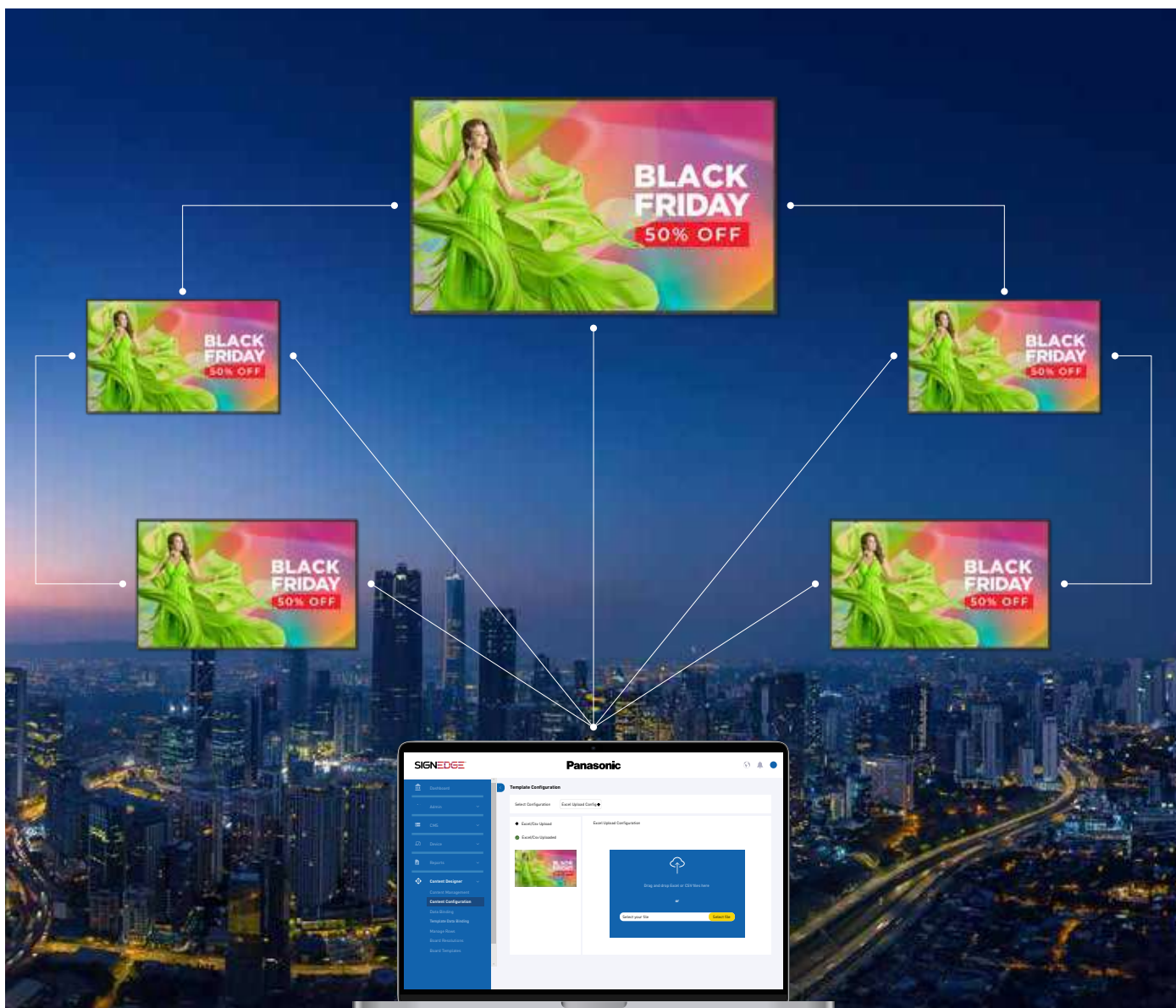
CONTENT  
SCHEDULING



CONTENT  
PUBLICATION



MONITORING  
& CONTROL



\*Please contact your Panasonic representative for further details.

# SPECIFICATIONS

|                                           | LH-NP04L9       | LH-NP06L9       | LH-NP10L9       |
|-------------------------------------------|-----------------|-----------------|-----------------|
| Pixel Pitch (mm)                          | 4.44            | 6.67            | 10.00           |
| Physical Parameters                       |                 |                 |                 |
| Pixel Configuration                       | SMD1921         | SMD2727         | SMD2727         |
| Module Resolution (W x H)                 | 72 x 72         | 48 x 48         | 32 x 32         |
| Module Dimension (W x H, mm)              | 320 x 320       | 320*320         | 320 x 320       |
| Weight per Module (kg)                    | 1.24            | 1.24            | 1.24            |
| No. of Modules per Cabinet (W x H)        | 4 x 3           | 4 x 3           | 4 x 3           |
| Cabinet Resolution (W x H)                | 288 x 216       | 192 x 144       | 128 x 96        |
| Cabinet Dimensions (W x H x D, mm)        | 1280 x 960 x 71 | 1280 x 960 x 71 | 1280 x 960 x 71 |
| Cabinet Surface Area (m²)                 | 1.23            | 1.23            | 1.23            |
| Weight per Cabinet (kg/Cabinet)           | 35              | 35              | 35              |
| Weight per Square Meter (kg/m²)           | 28              | 28              | 28              |
| Physical Pixel Density (pixels/m²)        | 50,625          | 22,500          | 10,000          |
| Flatness of Cabinet (mm)                  | 0.1             | 0.1             | 0.1             |
| Cabinet Material                          | Aluminium       | Aluminium       | Aluminium       |
| Service Access                            | Front & Rear    | Front & Rear    | Front & Rear    |
| Optical Specifications                    |                 |                 |                 |
| Max. Brightness (After Calibration, nits) | 6500            | 7500            | 7500            |
| Color Temperature (K)                     | 3000~10000      | 3000~10000      | 3000~10000      |
| Visual Viewing Angle (H x V)              | 160/140         | 160/140         | 160/140         |
| Brightness Uniformity                     | 98.2%           | 98.2%           | 98.2%           |
| Color Uniformity                          | ±0.003Cx,Cy     | ±0.003Cx,Cy     | ±0.003Cx,Cy     |
| Contrast Ratio                            | 15000:1         | 15000:1         | 15000:1         |
| Processing Depth (bit)                    | 16              | 16              | 16              |
| Electrical Specifications                 |                 |                 |                 |
| Power Consumption (W/Cabinet, Max.)       | 860             | 750             | 750             |
| Power Consumption (W/Cabinet, Avg.)       | 264             | 264             | 264             |
| Power Consumption (W/m², Max.)            | 700             | 610             | 610             |
| Heat Dissipation (BTU/h/Cabinet, Max.)    | 2935            | 2558            | 2558            |
| Heat Dissipation (BTU/h/Cabinet, Avg.)    | 901             | 901             | 901             |
| Heat Dissipation (BTU/h/m², Max.)         | 2388            | 2081            | 2081            |
| Power Supply (V)                          | AC100~240V      | AC100~240V      | AC100~240V      |
| Power Rating (A)                          | 8~4A            | 8.9~4.4A        | 8.9~4.4A        |
| Frame Rate (Hz)                           | 50/60Hz         | 50/60Hz         | 50/60Hz         |
| Refresh Rate (Hz)                         | 3,840           | 3,840           | 3,840           |
| Visual Refresh Rate (Hz)                  | 7,860           | 7,860           | 7,860           |
| Operation Specifications                  |                 |                 |                 |
| LED Lifetime (Half Brightness)            | 100,000         | 100,000         | 100,000         |
| Operating Temperature (°C)                | -30~55          | -30~55          | -30~55          |
| Operating Humidity                        | 10%~90%         | 10%~90%         | 10%~90%         |
| IP Rating Front/ Rear                     | IP66            | IP66            | IP66            |
| Corner Cut                                |                 |                 |                 |
| 90 Degree                                 | Yes             | Yes             | Yes             |

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