

POM SERIES

OUTDOOR LED SIGNAGE



Product Overview

The Panasonic POM Series is designed for high-quality outdoor visual experiences with durable build, energy efficiency, and outstanding brightness. It ensures crystal-clear images even in direct sunlight and provides weatherproof reliability for long-term outdoor usage.



High Brightness
up to 5500 Nits



High Contrast Ratio
up to 20000:1



Front & Rear
Maintenance



IP66 Protection
Front & Back



Energy
Saving



Available in
2.97, 3.91, 6.91, 10.41
Pixel pitches (mm)



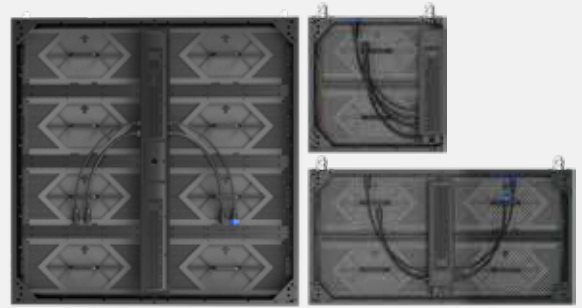
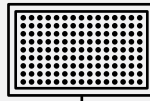
Customizable Cabinet Sizes(mm)
1000x1000, 1000x500, 500x500

Key Features

Cabinet Sizes to Suit Every Space

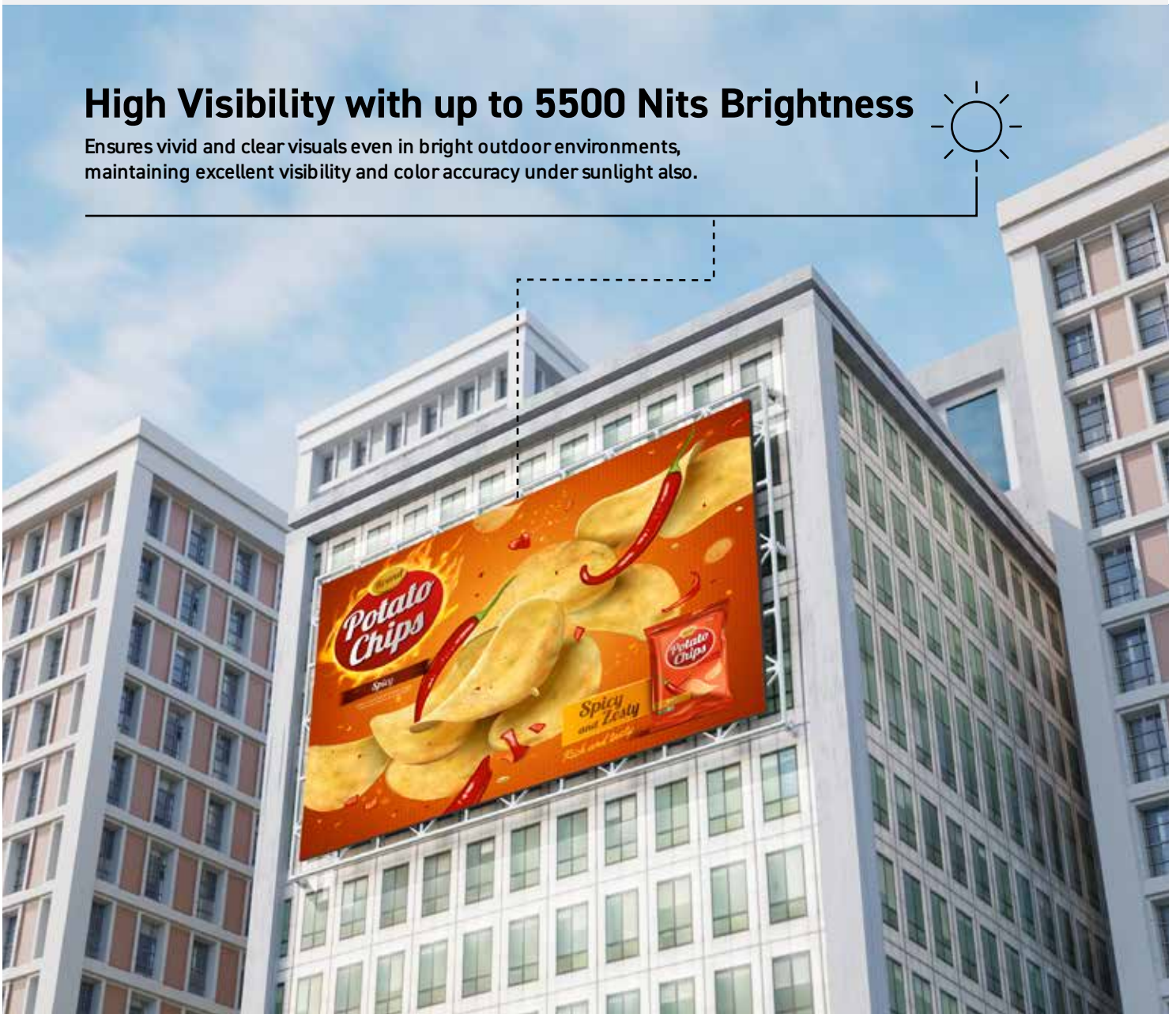
Designed for seamless installation, these cabinets cater to various display needs, from large-scale LED walls to custom layouts, ensuring flexibility, easy maintenance, and perfect alignment.

1000x1000mm, 1000x500mm, 500x500mm



High Visibility with up to 5500 Nits Brightness

Ensures vivid and clear visuals even in bright outdoor environments, maintaining excellent visibility and color accuracy under sunlight also.



IP66 Cabinet Design

Fully sealed and weatherproof, offering superior protection against dust, water, and harsh outdoor conditions for long-lasting performance.

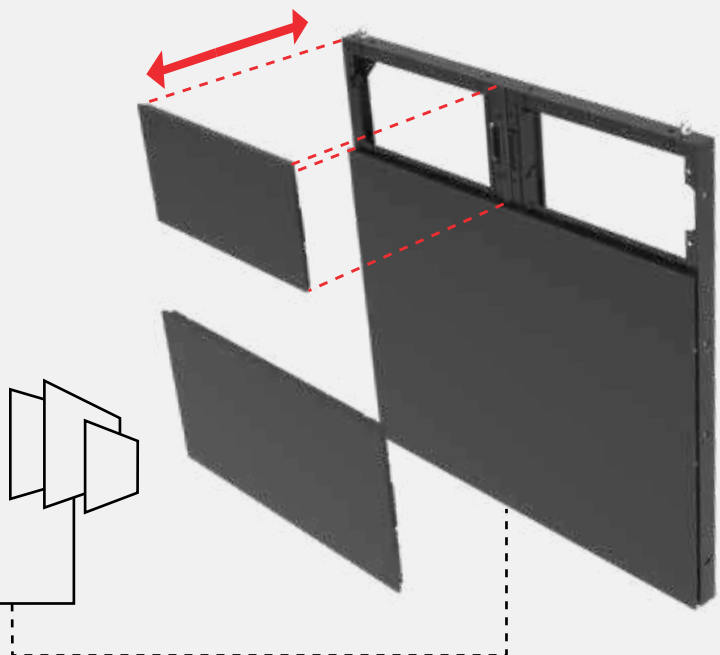


Front & Rear Maintenance

Offers flexible servicing options from both front and back, enabling quick repairs and reduced downtime for uninterrupted operation.

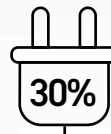
The cabinet's control unit (PDU) is designed with a modular structure, allowing for quick and hassle free installation.

Its detachable design ensures easy access for service and replacements. This simplifies maintenance, reducing downtime and operational disruptions.



Energy Efficient LED Signage

Uses advanced power-saving common cathode technology to minimize electricity consumption by 30% with lowering the working temperature of screens in total lowering operating costs while maintaining high performance.



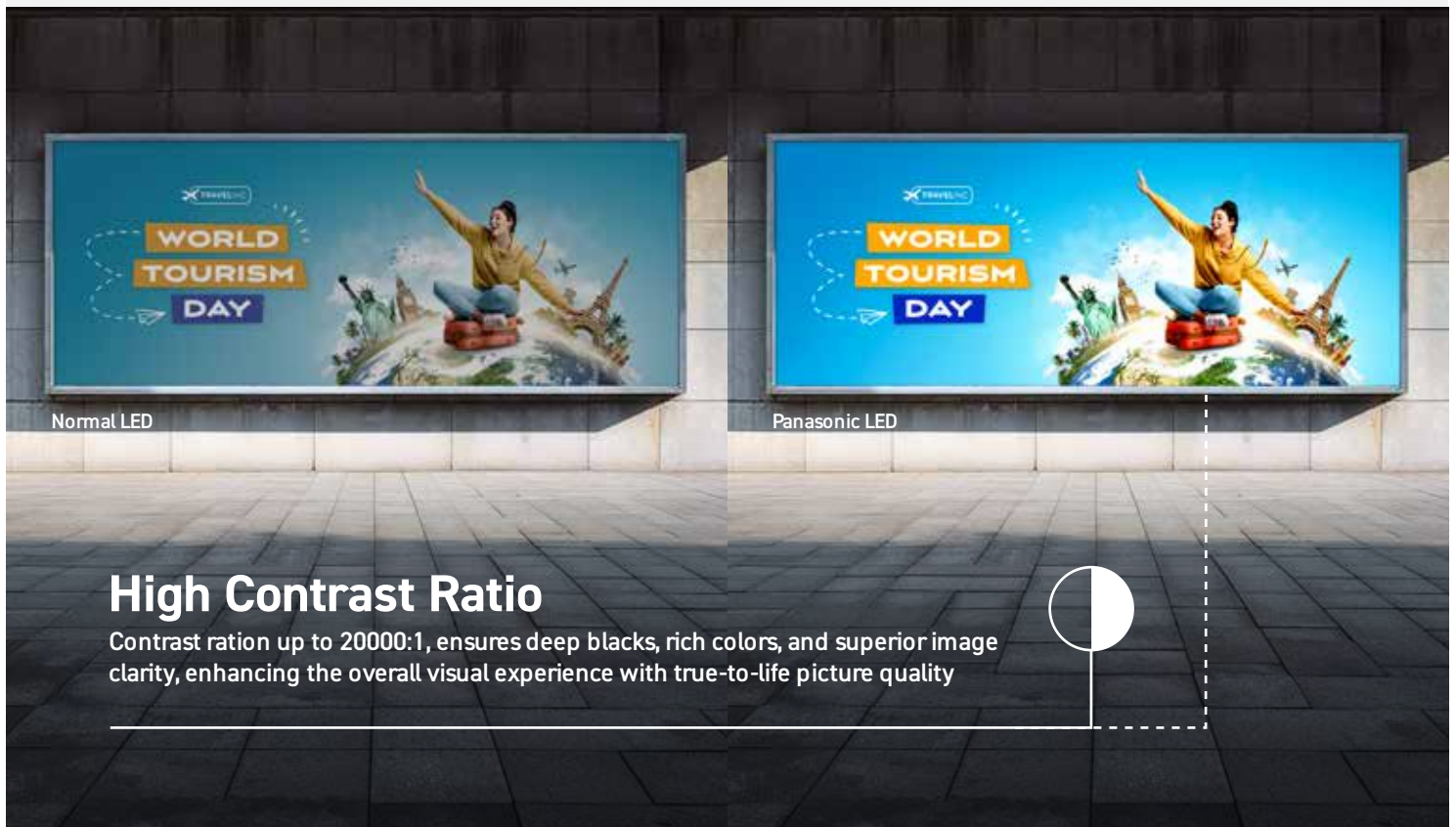
Edge-to-edge Brilliance at Every Angle

The 90° corner design ensures seamless, edge-to-edge visuals for wrap-around displays. It eliminates visible gaps, providing continuous viewing experience for building facades, retail stores, and creative LED installations.



Light Weight Cabinet Design

Minimizes structural load, making it ideal for rooftop installations without adding significant pressure to the building.



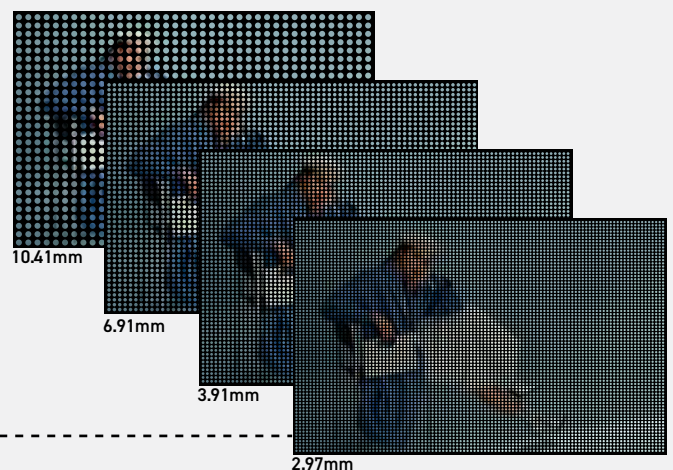
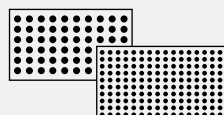
High Contrast Ratio

Contrast ration up to 20000:1, ensures deep blacks, rich colors, and superior image clarity, enhancing the overall visual experience with true-to-life picture quality



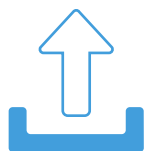
Wide Range of Pixel Pitch

Available in various pixel pitches
2.97mm, 3.91mm, 6.91mm, 10.41mm
Allowing multiple resolution to choose from.



COMPATIBLE WITH SIGNEDGE SOLUTION

Easier and More Convenient Content Playback and Management*



UPLOADING
CONTENT



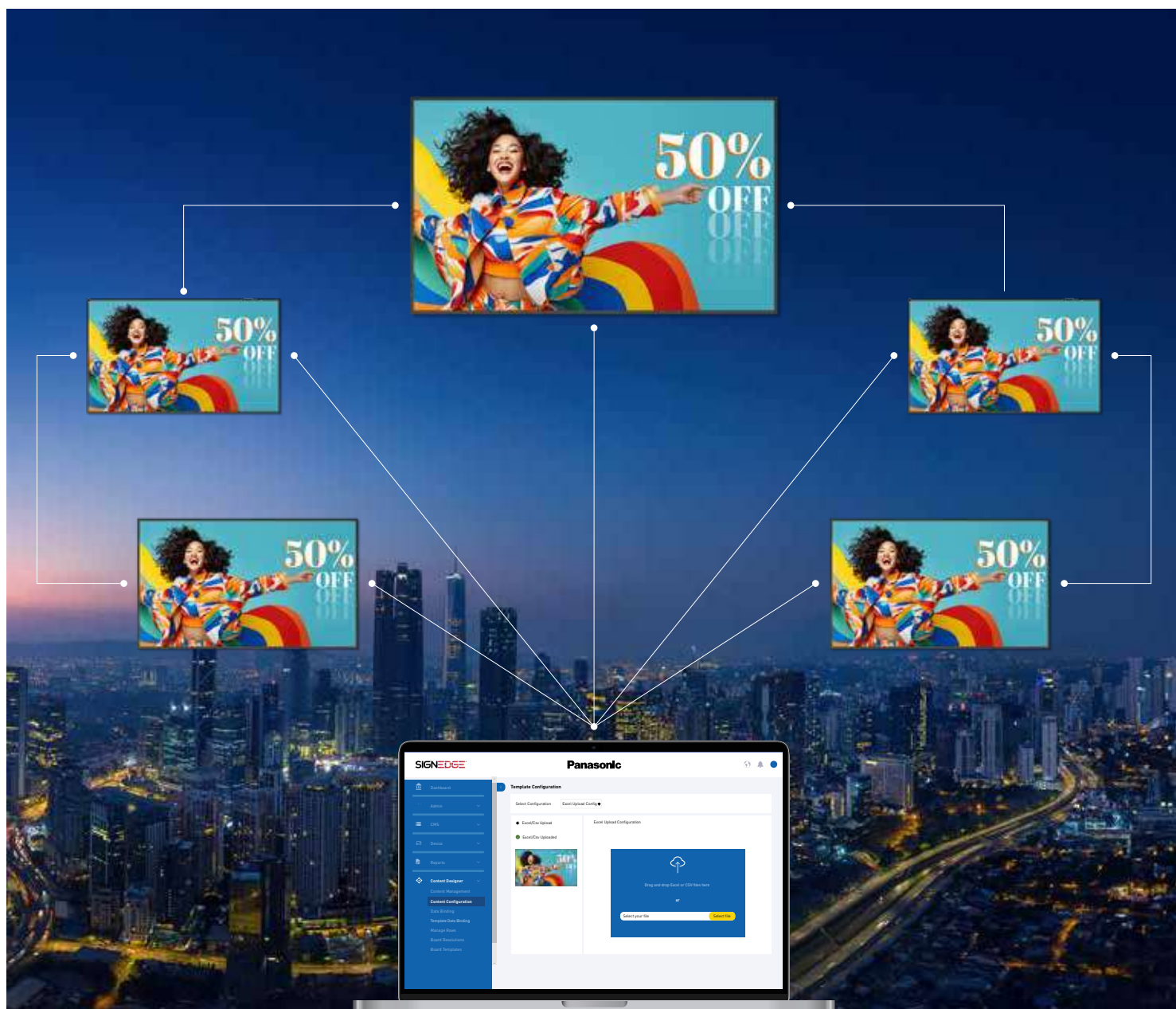
CONTENT
SCHEDULING



CONTENT
PUBLICATION



MONITORING
& CONTROL



*Please contact your Panasonic representative for further details.

Specification

Models	LH-NP29M11-B	LH-NP29M15-B	LH-NP29M5-B	LH-NP39M11-B	LH-NP39M15-B	LH-NP39M5-B
Pixel Pitch	2.97	2.97	2.97	3.91	3.91	3.91
Physical Parameter						
Physical Density	112,896 pixel/m2	112,896 pixel/m2	112,896 pixel/m2	65,536 pixel/m2	65,536 pixel/m2	65,536 pixel/m2
LED Arrangement	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD
Module Resolution (W x H)	168 x 84 pixels	168 x 84 pixels	168 x 84 pixels	128 x 64 pixels	128 x 64 pixels	128 x 64 pixels
Module Dimensions (W x H, mm)	500 x 250 mm	500 x 250 mm	500 x 250 mm	500 x 250 mm	500 x 250 mm	500 x 250 mm
Module Quantity	8 pcs	4 pcs	2 pcs	8 pcs	4 pcs	2 pcs
Module Weight	1.30 Kg	1.30 Kg	1.30 Kg	1.30 Kg	1.30 Kg	1.30 Kg
Cabinet Resolution	336 x 336 pixels	336 x 168 pixels	168 x 168 pixels	256 x 256 pixels	256 x 128 pixels	128 x 128 pixels
Cabinet Dimensions (mm/inch)	1000 x 1000 x 85.1 mm	1000 x 500 x 85.1 mm	500 x 500 x 85.1 mm	1000 x 1000 x 85.1 mm	1000 x 500 x 85.1 mm	500 x 500 x 85.1 mm
Weight (Unit case/ Square meter)	19.0 Kg	10.4 Kg	8.0 Kg	19.0 Kg	10.4 Kg	8.0 Kg
Maintenance	Rear	Rear	Rear	Front / Rear (select one)	Front / Rear (select one)	Front / Rear (select one)
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Max Stacking	14 m	14 m	14 m	14 m	14 m	14 m
Optical Parameter						
Brightness (After Calibration)	4500 nits	4500 nits	4500 nits	5500 nits	5500 nits	5500 nits
Viewing Angle	160° / 140°	160° / 140°	160° / 140°	160° / 140°	160° / 140°	160° / 140°
Contrast Ratio	7000:1	7000:1	7000:1	7000:1	7000:1	7000:1
Color Temperature (Default, Adjustable)	3200 - 9300K	3200 - 9300K	3200 - 9300K	3200 - 9300K	3200 - 9300K	3200 - 9300K
Greyscale	16 bits	16 bits	16 bits	16 bits	16 bits	16 bits
Power Supply						
Max. Power Consumption (W/Unit)	700 W / m2	400 W / m2	400 W / m2	660 W / m2	330 W / m2	330 W / m2
Avg. Power Consumption (W/Unit)	233 W / m2	133 W / m2	133 W / m2	220 W / m2	110 W / m2	110 W / m2
Input Power	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max
Control System						
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz
Operation Conditions						
Operating Temperature	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C
Operating Humidity	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing
IP Rating (Front/Rear)	IP66	IP66	IP66	IP66	IP66	IP66

Specification

Models	LH-NP69M11-B	LH-NP69M15-B	LH-NP69M5-B	LH-NP104M11-B	LH-NP104M15-B	LH-NP104M5-B
Pixel Pitch	6.94	6.94	6.94	10.41	10.41	10.41
Physical Parameter						
Physical Density	20,736 pixel/m2	20,736 pixel/m2	20,736 pixel/m2	9,216 pixel/m2	9,216 pixel/m2	9,216 pixel/m2
LED Arrangement	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD	3 IN 1 SMD
Module Resolution (W x H)	72 x 36 pixels	72 x 36 pixels	72 x 36 pixels	48 x 24 pixels	48 x 24 pixels	48 x 24 pixels
Module Dimensions (W x H, mm)	500 x 250 mm	500 x 250 mm	500 x 250 mm	500 x 250 mm	500 x 250 mm	500 x 250 mm
Module Quantity	8 pcs	4 pcs	2 pcs	8 pcs	4 pcs	2 pcs
Module Weight	1.30 Kg	1.30 Kg	1.30 Kg	1.30 Kg	1.30 Kg	1.30 Kg
Cabinet Resolution	144 x 144 pixels	144 x 72 pixels	72 x 72 pixels	96 x 96 pixels	96 x 48 pixels	48 x 48 pixels
Cabinet Dimensions (mm/inch)	1000 x 1000 x 85.1 mm	1000 x 500 x 85.1 mm	500 x 500 x 85.1 mm	1000 x 1000 x 85.1 mm	1000 x 500 x 85.1 mm	500 x 500 x 85.1 mm
Weight (Unit case/ Square meter)	18.5 Kg	10.4 Kg	8.0 Kg	19.0 Kg	19.0 Kg	8.0 Kg
Maintenance	Front / Rear (select one)	Front / Rear (select one)	Front / Rear (select one)	Front / Rear (select one)	Front / Rear (select one)	Front / Rear (select one)
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Max Stacking	14 m	14 m	14 m	14 m	14 m	14 m
Optical Parameter						
Brightness (After Calibration)	5500 nits	5500 nits	5500 nits	5500 nits	5500 nits	5500 nits
Viewing Angle	160° / 140°	160° / 140°	160° / 140°	160° / 140°	160° / 140°	160° / 140°
Contrast Ratio	12000:1	12000:1	12000:1	20000:1	20000:1	20000:1
Color Temperature- (Default, Adjustable)	3200 - 9300K	3200 - 9300K	3200 - 9300K	3200 - 9300K	3200 - 9300K	3200 - 9300K
Greyscale	16 bits	16 bits	16 bits	16 bits	16 bits	16 bits
Power Supply						
Max. Power Consumption (W/Unit)	680 W / m2	340 W / m2	340 W / m2	650 W / m2	330 W / m2	330 W / m2
Avg. Power Consumption (W/Unit)	226 W / m2	114 W / m2	114 W / m2	216 W / m2	110 W / m2	110 W / m2
Input Power	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max	100-240V AC, 50/60Hz, 16A Max
Control System						
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Refresh Rate	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz
Operation Conditions						
Operating Temperature	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C	-20°C ~ +50°C
Operating Humidity	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing	10-90% RH Non-condensing
IP Rating (Front/Rear)	IP66	IP66	IP66	IP66	IP66	IP66