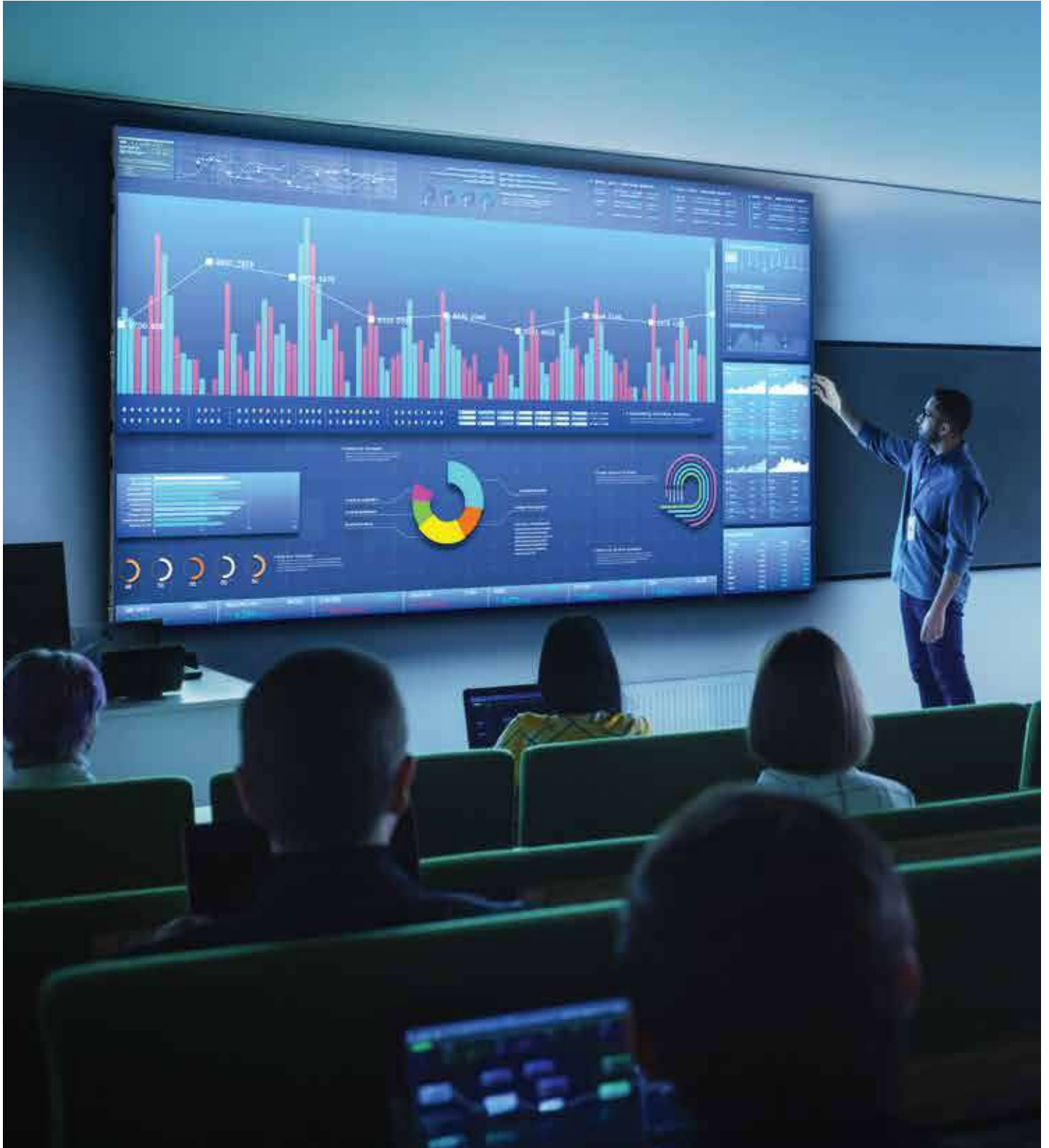




PANASONIC

PIQ SERIES

ULTRA-SLIM INDOOR LED DISPLAY

PRODUCT OVERVIEW

The Panasonic PIQ series digital LED Display has excellent display performance with fine pixel pitch and high resolution. It showcases immersive and life-like visuals with a 16:9 aspect ratio cabinet with diagonal size of 29 inches, to captivate all audiences.

It can be used as an ideal visual solution for a variety of indoor application scenarios, in 1.25, 1.56, 1.87, 2.0, and 2.5mm pixel pitches. The series meets the required configurations for HD, FHD, 4K, and 8K LED Display. Lightweight and designed for easy front maintenance, the series has an ultra-thin depth of only 32mm, and is employed with slim floating mounting brackets for hassle-free installation.





Wide Viewing Angle

Visible even from a distance with expansive viewing angles up to 160°



1.25mm - 2.5mm Pixel Pitch

For diverse display uses



Normal LED Display



Panasonic LED Display

Brightness of 800 nits

For immersive visuals



16:9 Aspect Ratio

Extended dual size display unit

KEY FEATURES

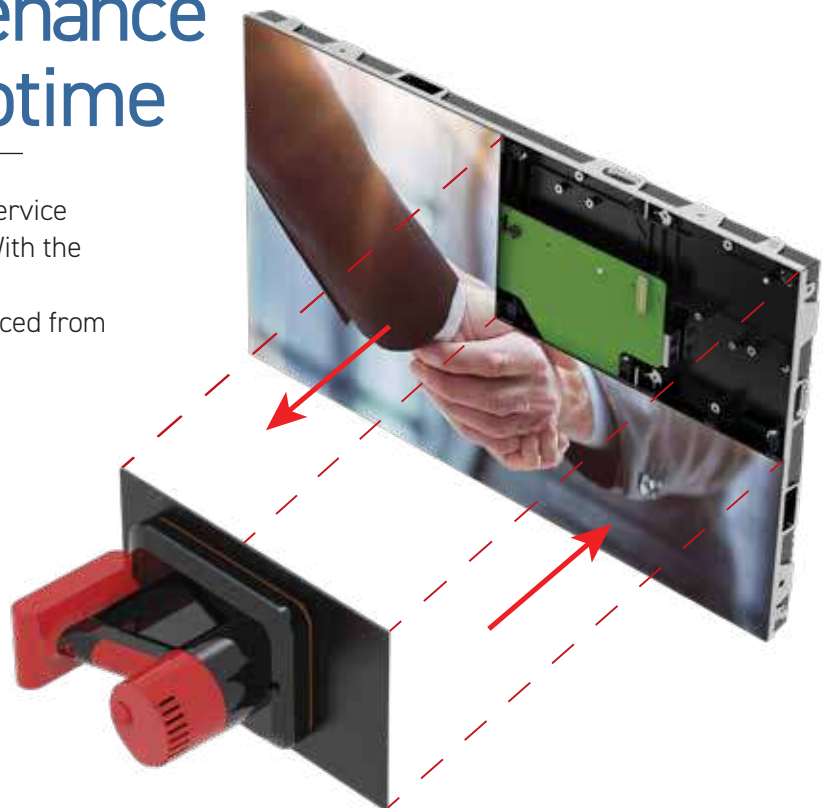
Ultra-Thin High-Definition Solution

The PIQ series is designed for optimal space utilization with an ultra-thin depth of just 33mm. It comes equipped with sleek floating mounting brackets, ensuring a streamlined and modern installation while maintaining a clean and seamless look.



Effortless Maintenance for Maximum Uptime

Designed for hassle-free servicing, the front service modules allow quick and easy maintenance. With the LED vacuum suction tool, modules and other components can be swiftly removed and replaced from the front, ensuring minimal downtime and seamless operation.



Lightweight Cabinet Design

Weighing just 5.6 kg per cabinet, the PIQ Series offers a lightweight yet durable design that simplifies handling and installation. Its ultra-thin floating bracket ensures a secure and streamlined setup, making it ideal for various mounting environments.



Deeper Blacks, Brilliant Highlights

Experience truly rich visuals in 16 Bit vibrance, with darker blacks and shallower shades for larger than life imagery.

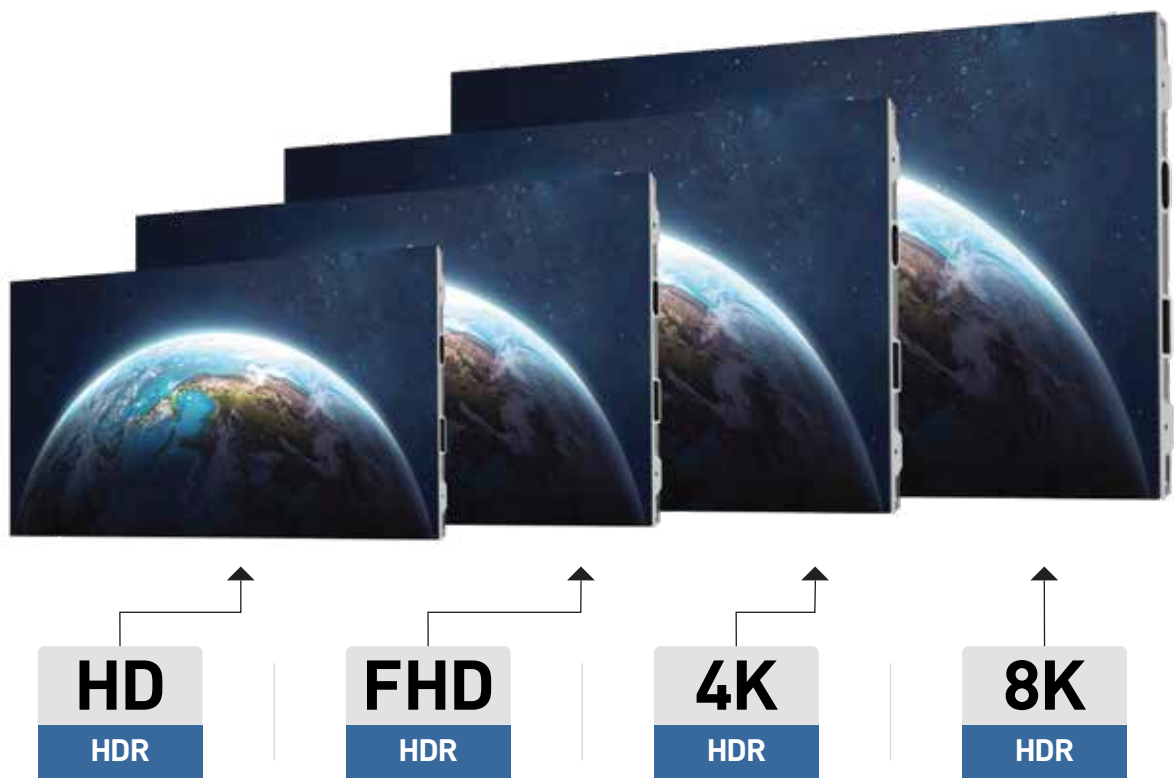


Normal LED Display

Panasonic LED Display

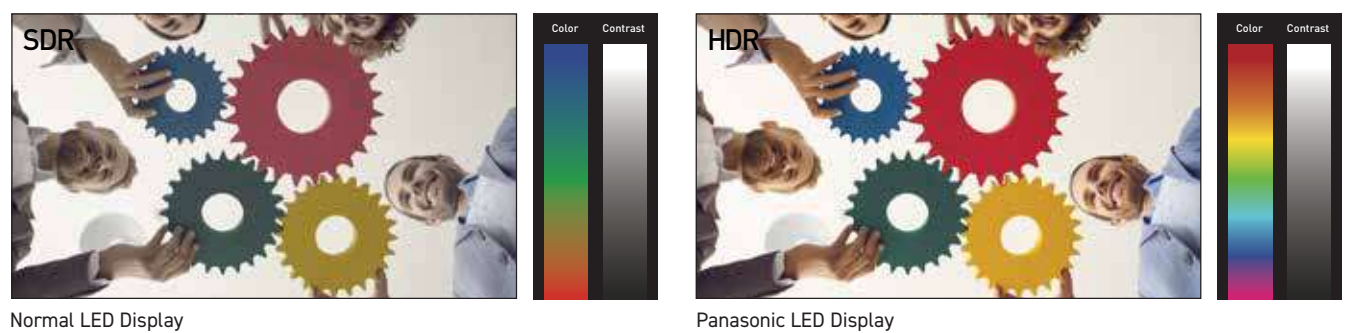
Visual Perfection with 16:9 LED cabinets

16:9 LED cabinet with seamless stitching ensures a flawless visual experience by eliminating visible gaps between panels. Designed for precision alignment, it delivers uniform brightness, vibrant colors, and ultra-smooth imagery, making it ideal for high-resolution applications.



Immersive HDR Displays

Experience breathtaking visuals with Immersive HDR Display Powered by Next-Gen LED Technology. Offering vibrant colors, deeper contrasts, and exceptional brightness, this cutting-edge LED display ensures a lifelike viewing experience. Perfect for high-end applications, it delivers seamless, true-to-life imagery with unmatched clarity and precision.



Normal LED Display

Panasonic LED Display

COMPATIBLE WITH SIGNEDGE SOLUTION

Easier and More Convenient Content Playback and Management*



UPLOADING
CONTENT



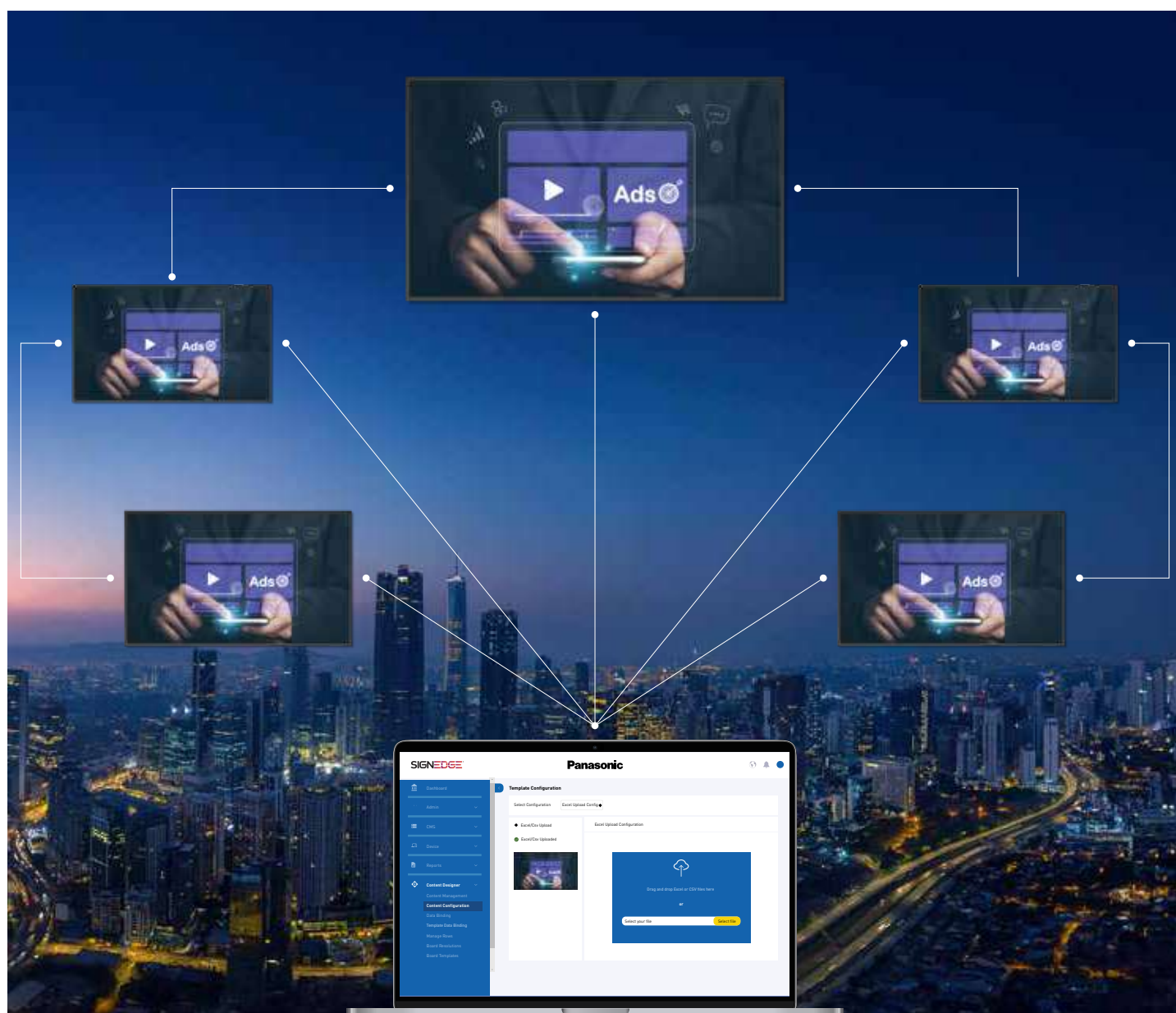
CONTENT
SCHEDULING



CONTENT
PUBLICATION



MONITORING
& CONTROL



*Please contact your Panasonic representative for further details.

SPECIFICATIONS

MODEL NUMBER	LH-NP09Q-B	LH-NP12Q-B	LH-NP15Q-B	LH-NP18Q-B	LH-NP20Q-B	LH-NP25Q-B
Physical Parameters						
Pixel Configuration	SMD 4 in 1	SMD 3 in 1	SMD 3 in 1	SMD 3 in 1	SMD 3 in 1	SMD 3 in 1
Pixel Pitch (mm)	0.93	1.25	1.56	1.87	2.0	2.5
Module Resolution (W x H)	340(H)X192(V) pixels	256(H)X144(V) pixels	204(H)x114(V) pixels	171(H)x96(V) pixels	160(H)x90(V) pixels	128(H)x72(V) pixels
Module Dimension (W x H, mm)	320x180 mm	320x180 mm	320x180 mm	320x180 mm	320x180 mm	320x180 mm
Weight per Module (kg)	0.32 kg	0.32 kg	0.32 kg	0.32 kg	0.32 kg	0.32kg
NO. of Modules per Cabinet (W x H)	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2	2 x 2
Cabinet Resolution (W x H)	680(H)x384(V) pixels	512(H)x288(V) pixels	408(H)x228(V) pixels	342(H)x192(V) pixels	320(H)x180(V) pixels	256(H)x144(V) pixels
Cabinet Dimensions (W x H x D, mm)	640x360x32.45 mm	640x360x32.45 mm	640x360x32.45 mm	640x360x33 mm	640x360x33 mm	640x360x33 mm
Cabinet Surface Area (m²)	0.2304	0.2304	0.2304	0.2304	0.2304	0.2304
Weight per Cabinet (kg/Cabinet)	24	24	24	24	24	24
Weight per Square Meter (kg/m²)	5.6 Kg	5.6 Kg	5.6 Kg	5.6 Kg	5.6 Kg	5.6 Kg
Physical Pixel Density (pixels/m²)	1,133,333 pixels/m²	640,000 pixels/m²	403,750 pixels/m²	285,000pixels/m²	250,000pixels/m²	160,000pixels/m²
Flatness of Cabinet (mm)	0.1	0.1	0.1	0.1	0.1	0.1
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Service Access	Front	Front	Front	Front	Front	Front
Optical Specifications						
Max. Brightness (After Calibration, nit)	800 nits	800 nits	800 nits	800 nits	800 nits	800 nits
Color Temperature (K)	6500K(3000K~10000K)	6500K(3000K~10000K)	6500K(3000K~10000K)	6500K(3000K~10000K)	6500K(3000K~10000K)	6500K(3000K~10000K)
Visual Viewing Angle (H x V)	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°	160°/160°
Brightness Uniformity	98%	98%	98%	98%	98%	98%
Color Uniformity	±0.003Cx,Cy	±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	7000:1
Processing Depth (bit)	16	16	16	16	16	16
Electrical Specifications						
Power Consumption (W/Cabinet, Max.)	130 W	130 W	110 W	90 W	90 W	90 W
Power Consumption (W/Cabinet, Avg.)	43 W	43 W	37 W	30 W	30 W	30 W
Power Consumption (W/m², Max.)	564 W	564 W	477 W	390 W	390 W	390 W
Heat Dissipation (BTU/h/Cabinet, Max.)	445 BTU/h	445 BTU/h	375 BTU/h	307 BTU/h	307 BTU/h	307 BTU/h
Heat Dissipation (BTU/h/Cabinet, Avg.)	146 BTU/h	146 BTU/h	126 BTU/h	102 BTU/h	102 BTU/h	102 BTU/h
Heat Dissipation (BTU/h/m², Max.)	1925 BTU/h	1925 BTU/h	1629 BTU/h	1331 BTU/h	1331 BTU/h	1331 BTU/h
Power Supply (V)	180-240V AC, 50/60Hz ,16A Max	180-240V AC, 50/60Hz ,16A Max	180-240V AC, 50/60Hz ,16A Max	180-240V AC, 50/60Hz ,16A Max	180-240V AC, 50/60Hz ,16A Max	180-240V AC, 50/60Hz ,16A Max
Frame Rate (Hz)	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Refresh Rate (Hz)	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz	3,840 Hz
Operation Specifications						
LED Lifetime (Half Brightness)	100000 Hrs	100000 Hrs	100000 Hrs	100000 Hrs	100000 Hrs	100000 Hrs
Operating Temperature (°C)	-10°C ~ +45°C	-10°C ~ +45°C	-10°C ~ +45°C	-10°C ~ +45°C	-10°C ~ +45°C	-10°C ~ +45°C
Operating Humidity	10-90%RH	10-90%RH	10-90%RH	10-90%RH	10-90%RH	10-90%RH

*Technical specifications may change without notice.

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