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AOTO

Attractive Technology

MINI LED DISPLAY PRODUCTS
Commercial LED Display

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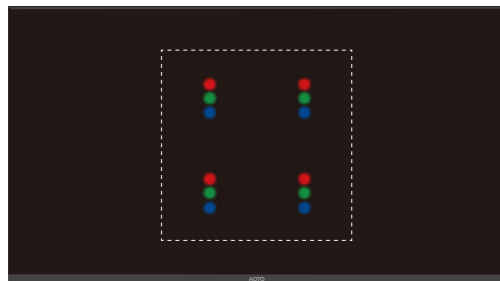E-mail: led@aoto.com   http://www.aoto.com

Mini LED | 2K FHD | 4K UHD | HDR 10 High Dynamic Range

SINCE 1993

Mini
LED

A NEW ERA OF COMMERCIAL DISPLAY TECHNOLOGY

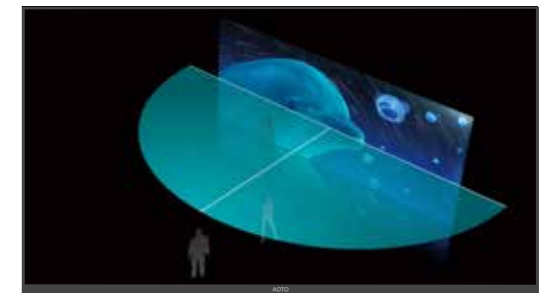Superior robust. Effectively reduce LED malfunction, Reliable and on-site mainte-nance workable.

Excellent display effect. Ultra high contrast, Good uniformity, Significantly reduce moire phenomenon.

New Generation Packaging Technology

Reliable And Robust Panel

Low Reflection, Ultra-high Contrast Ratio, Optimal Morie Reductiont

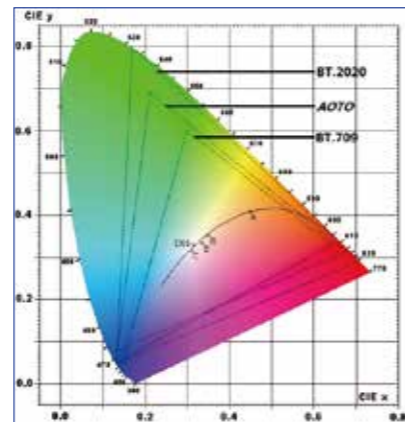Nearly 180° Viewing Angle

Cableless Connection
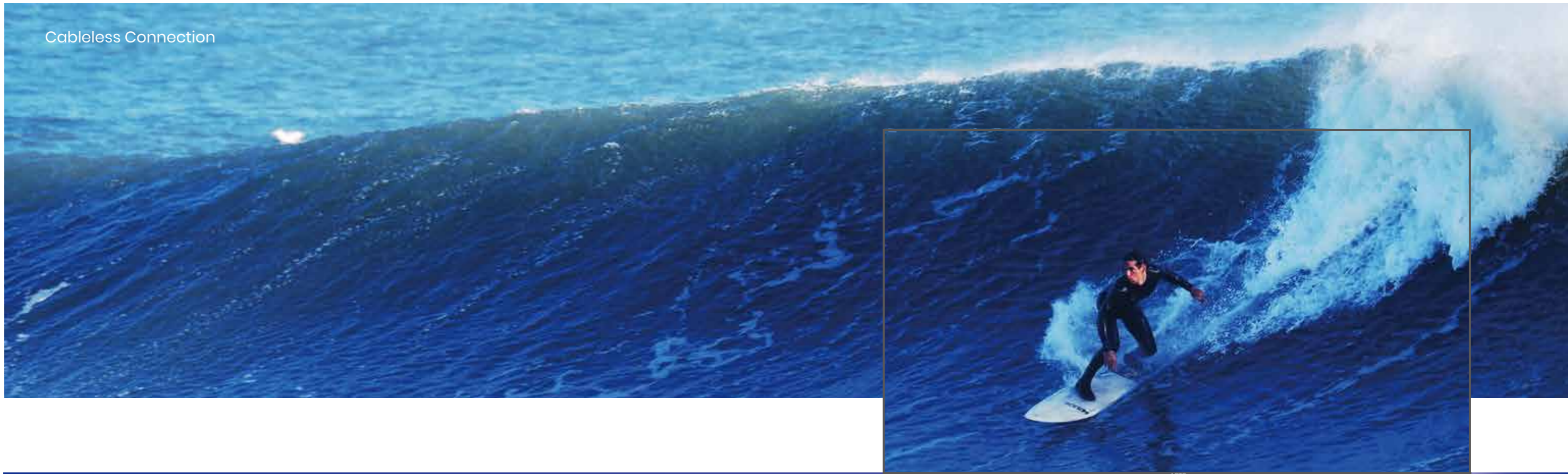
Perfect structural design. Cableless connection，Front or rear maintenance.

Front or Rear Maintenance

Wider color gamut

Perfectly defines the red/green/blue color with the wide color gamut, even the skin tone, could be well reproduced.

Precise color reproduction

Accurate color correction, stronger brightness and perfect color consistency. The smooth transition gives you an immersive feeling.
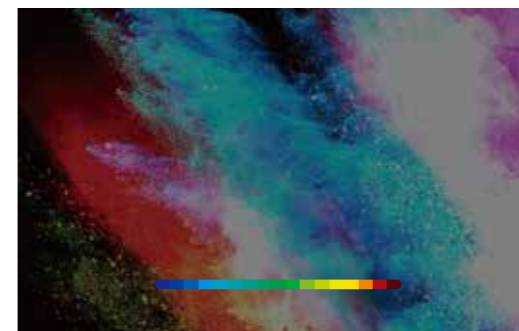

before correction

After correction

Traditional image processing display effect

AOTO Innovative image processing display effect

AOTO

INFINITE SPLICING, UNLEASH THE VISION

The high resolution LED display system could be seamlessly spliced, provides HD images, bright colours, of low noise, and is able to realize real-time information transfer and interaction.

Broad viewing angle, enjoy the magnificence

No matter from the front or the sides, enjoy the distortion-less images

HDR10 TECHNOLOGY

Fully display every excellent detail of the HD images, bringing customers an outstanding visual impact .

HDR10   HDR   SDR

GLOBAL PATENT TECHNOLOGY

All-in-one Packaging Technology

All-in-one packaging technology supports smaller pixel pitch and increases the robustness. The display effect is highly enhanced through the 100um chips to achieve more black zones in the single package and the surface black nano-spraying technology.
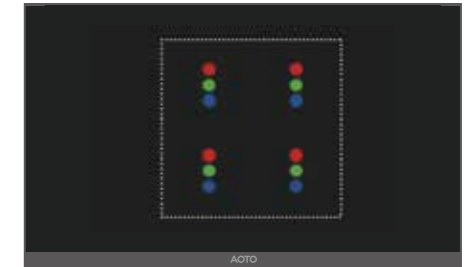
Electronics Circuit Design

Latest design to reduce the difficulty and cost of the PCB design, improve production efficiency, reduce maintenance difficulty and cost, and achieve smaller pixel pitch.
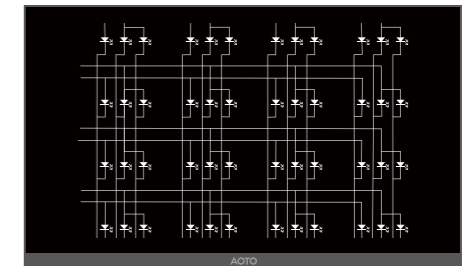
Cross Groove Design

A light-shielding fence is set around each group of LED pixel lights, and a cross-sectional groove is formed between each light-shielding fence; at least two sides of the light body are set with a plurality of staggered protrusions. Groove anti-lighting technology makes the image clearer and improves contrast.
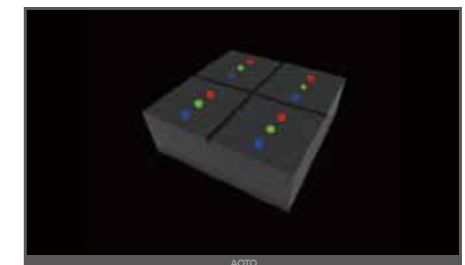
INGENIOUS AND DELICATE

The simple and exquisite cabinet appearance guarantees an unparalleled viewing experience.

CLD stand-alone series provide a stable display system with superior image quality and zero noise to the government conference. Together with the multimedia conference system, AOTO complete solution reaches a new level in terms of the multimedia demonstration and knowledge sharing.

Product Feature

- The image can be clearly viewed from the long-distance even under the bright light environment.
- Fast installation, convenient transportation.
- Front maintenance .
- Zero noise.
- 16: 9 standard ratio.
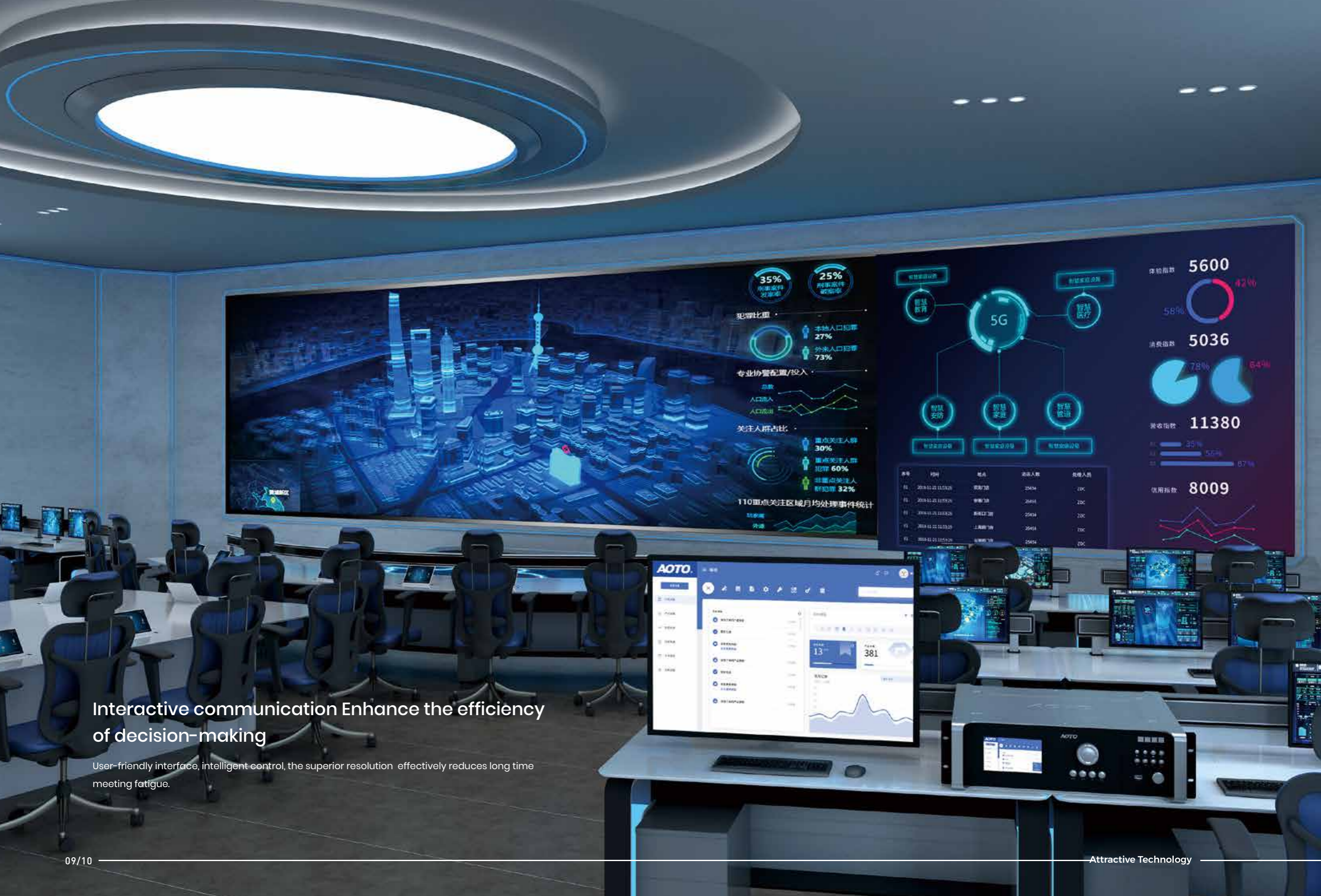
Interactive communication Enhance the efficiency of decision-making

User-friendly interface, intelligent control, the superior resolution effectively reduces long time meeting fatigue.

Effective interaction and improvement of meeting deci-sion-making efficiency and interactivity

Supporting data sharing and visualization, simplifying architecture and scientific management

Outstanding image quality
Leads the revolution of broadcasting industry

No moiré effects, standard SDI interface, support HLG, perfectly support real-time broadcasting.

Superior advertising effect perfectly present various public information and brand communication

Promptly display public information, enhance the city image, highlight the brand connotation, and improve brand value

AOTO
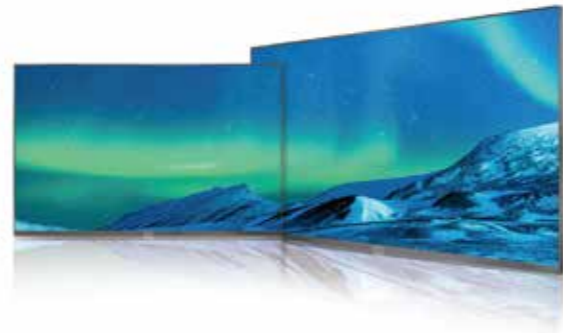
CLD108″

MODEL	CLD108(IMD)
Pixel Pitch	1.25 mm
Pixel Density	640,000 dots/m²
Pixel Configuration	1R 1G 1B
LED Type	Mini 4 in 1
Module Resolution	96（W）x 216（H）=20,736 dots
Module Size	W：150 mm；H：337.5 mm
Screen Ratio	16:9
Screen Resolution	1920（W）x 1080（H）=2,073,600 dots
Cabinet Material and Color	Die-casting Aluminium, Black
Cabinet Weight	215 Kg
Maintenance	Front and Rear
IP Rating	IP40
Calibrated Brightness	600 nits
Viewing Angle	H：170°±5°；V：170°±5°
Refresh Rate	3840 Hz
Contrast Ratio	8000:1
Colorn Processing Depth	24 bits
HDR	Support HDR format with HLG and HDR 10
Input Voltage	AC100 V to AC240 V；50 or 60 Hz
Maximum Power	2600 W
Average Power	900 W
Lifespan	100,000 Hours
Operation Environment	Temperature：-10℃—40℃；Humidity：10% - 80% RH

CLD136″

MODEL	CLD136(IMD)
Pixel Pitch	1.5625 mm
Pixel Density	409,600 dots/m²
Pixel Configuration	1R 1G 1B
LED Type	Mini 4 in 1
Module Resolution	96（W）x 216（H）=20,736 dots
Module Size	W：150 mm；H：337.5 mm
Screen Ratio	16:9
Screen Resolution	1920（W）x 1080（H）=2,073,600 dots
Cabinet Material and Color	Die-casting Aluminium, Black
Cabinet Weight	300 Kg
Maintenance	Front and Rear
IP Rating	IP40
Calibrated Brightness	Standard 800 nits, Max 1,000nits
Viewing Angle	H：170°±5°；V：170°±5°
Refresh Rate	3840 Hz
Contrast Ratio	8000:1
Colorn Processing Depth	24 bits
HDR	Support HDR format with HLG and HDR 10
Input Voltage	AC100 V to AC240 V；50 or 60 Hz
Maximum Power	3400 W
Average Power	1000 W
Lifespan	100,000 Hours
Operation Environment	Temperature：-10℃—40℃；Humidity：10% - 80% RH

AOTO

Mini LED

CLD163″

MODEL	CLD163(IMD)
Pixel Pitch	0.9375 mm
Pixel Density	1,137,777 dots/m²
Pixel Configuration	1R 1G 1B
LED Type	Mini 4 in 1
Module Resolution	160（W）x 360（H）=57,600dots
Module Size	W：150 mm；H：337.5 mm
Screen Ratio	16:9
Screen Resolution	3480（W）x 2160（H）=8,294,400 dots
Cabinet Material and Color	Die-casting Aluminium, Black
Cabinet Weight	420 Kg
Maintenance	Front and Rear
IP Rating	IP40
Calibrated Brightness	Standard 600 nits，Max 800nits
Refresh Rate	3840 Hz
Contrast Ratio	8000:1
Viewing Angle	H：170º±5º；V：170º±5º
Processing Depth	24 bits
HDR	Support HDR format with HLG and HDR 10
Input Voltage	AC100 V to AC240 V；50 or 60 Hz
Maximum Power	5400W
Average Power	2160W
Lifespan	100,000 Hours
Operation Environment	Temperature：-10℃—40℃；Humidity：10%-80% RH

CLD27ES0.9

MODEL	CLD27ES0.9
Pixel Pitch	0.9375 mm
Brightness	Standard 600 nits, Max 800 nits
LED Type	Mini 4 in 1
Processing Depth	24 bits
Display Size	27 Inch (600 mm × 337.5 mm × 60 mm)
Lifespan	100,000 hours
IP Rating	IP40
Operation Environment	Temprature: -10℃—40℃/Humidity: 10% - 80% RH
Pixel Density	1,137,777 dots/m²
Pixel Configuration	1R 1G 1B
Module Resolution	160(W) x 360(H) = 57,600 dots
Module Size	W: 150 mm；H: 337.5 mm
Cabinet Resolution	640(W) x 360(H) = 230,400 dots
Cabinet Size	W: 600mm；H: 337.5mm
Cabinet Area	0.2025 m²
Viewing Angle	H: 170º±5º；V: 170º±5º
Refresh Rate	3840 Hz
Contrast Ratio	8000:1
Input Voltage	AC100 V to AC240 V；50 or 60 Hz
Maximun Power	150 W/Cabinet
Average Power	55 W/Cabinet
Cabinet Material and Color	Die-casting Aluminum, Black
Maintenance	Front or Rear
Cabinet Weight	8.3 Kg

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CLD27ES1.2

MODEL	CLD27ES1.2
Pixel Pitch	1.25 mm
Brightness	600 nits
LED Type	Mini 4 in 1
Processing Depth	24 bits
Display Size	27 Inch（600 mm × 337.5 mm × 60 mm）
Lifespan	100,000 hours
IP Rating	IP40
Operation Environment	Temprature: -10C—40C/Humidity: 10% - 80% RH
Pixel Density	640,000 dots/m²
Pixel Configuration	1 R 1 G 1 B
Module Resolution	120（W）x 270（H）= 32,400 dots
Module Size	W: 150 mm；H: 337.5 mm
Cabinet Resolution	480（W）x 270（H）= 129,600 dots
Cabinet Size	W: 600 mm；H: 337.5 mm
Cabinet Area	0.2025 m²
Viewing Angle	H: 170° ± 5°；V: 170° ± 5°
Refresh Rate	3840
Contrast Ratio	8000:1
Input Voltage	AC100 V to AC240 V；50 or 60 Hz
Maximun Power	150 W/Cabinet
Average Power	55 W/Cabinet
Cabinet Material and Color	Die-casting Aluminum, Black
Maintenance	Front or Rear
Cabinet Weight	≤8.3 Kg

CLD27ES1.5

MODEL	CLD27ES1.5
Pixel Pitch	1.5625 mm
Brightness	Standard 800 nits, Max 1,000 nits
LED Type	Mini 4 in 1
Processing Depth	24 bits
Display Size	27 Inch（600 mm × 337.5 mm × 60 mm）
Lifespan	100,000 hours
IP Rating	IP40
Operation Environment	Temprature: -10C—40C/Humidity: 10% - 80% RH
Pixel Density	409,600 dots/m²
Pixel Configuration	1 R 1 G 1 B
Module Resolution	96(W) x 216(H) = 20,736 dots
Module Size	W: 150 mm；H: 337.5 mm
Cabinet Resolution	384(W) x 216(H) = 82,944 dots
Cabinet Size	W: 600mm；H: 337.5mm
Cabinet Area	0.2025 m²
Viewing Angle	H: 170°±5°；V: 170°±5°
Refresh Rate	3840 Hz
Contrast Ratio	8000:1
Input Voltage	AC100 V to AC240 V；50 or 60 Hz
Maximun Power	135 W/Cabinet
Average Power	40 W/Cabinet
Cabinet Material and Color	Die-casting Aluminum, Black
Maintenance	Front or Rear
Cabinet Weight	≤8.3 Kg

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