43" EDGE Pro

VOD

best of show 2023
AT ISE 2023
Winner
AVTECHNOLOGY

THREE LED TECHNOLOGIES. TWO MOUNTING METHODS. ONE PLATFORM.

SMD | FLIP CHIP SMD | FLIP CHIP (High Brightness)

With the power of the Edge Pro platform and V1 Architecture you're set for years to come.

The 43" Edge Pro and its underlying technologies work in synergy, allowing you to upgrade to a higher resolution or brightness whenever you like without changing the cabinet hardware.

Flip Chip
High brightness
≤4000 nits

Flip Chip
≤1200 nits

SMD
GOB optional
≤800 nits

V1
Architecture

* GOB optional

SMD

The EDGE Pro takes full advantage our high quality SMD technology. Content has never looked better.

This traditional LED pixel technology offers great value for money and stunning visual performance.

Up to
800 nits ☼
peak brightness

16:9
aspect ratio

sRGB 🌈
colour gamut

22 bit
grayscale

Flip Chip SMD

When the very best of the The LED Studio & VOD combine – The result is simply outstanding.

If 800 nits isn't enough then perhaps 1200 nits is. Capable of 1200 nits of peak brightness, all whilst running cool, this technology saves you money through superior energy efficiency; the result is an LED display that is cool to the touch whilst being impactfully bright.

Up to
1,200 nits ☼
peak brightness for your
HDR photos and videos

Up to
40% 🍃
energy saving

DCI-P3 🌈
wide colour gamut

Up to
1.5x ☼
brighter than
standard SMD

Flip Chip SMD (high-bright)

If 1200 nits doesn't hit the spot, maybe 4000 nits will.

Designed for exterior facing windows or applications with high ambient light, our Flip Chip high bright technology is designed to light up any space. Welcome to fine pixel pitch technology that can be seen from miles around.

Up to
4,000 nits ☼
peak brightness for your
HDR photos and videos

Up to
40% 🍃
energy saving

DCI-P3 🌈
wide colour gamut

Up to
4x ☼
brighter than
standard SMD

VOD

16:9 aspect ratio

Light weight 11kg per cabinet

Up to 40% energy saving*

Superior colour accuracy

GOB - glue on board optional

V1
Architecture

V1 Architecture was created to minimize environmental impact. It enables users to change pixel technologies whilst retaining the cabinets and internal components.

Two mounting methods

Having the freedom to attach a LED display to an existing mounting solution can make a big difference. The industry standard VESA or wall mounting options enables the EDGE Pro platform to be attached in a matter of seconds for quick and easy mounting.

Wall mounts

540mm

Vesa standard
400 × 200mm

38.8mm

960mm

VOD
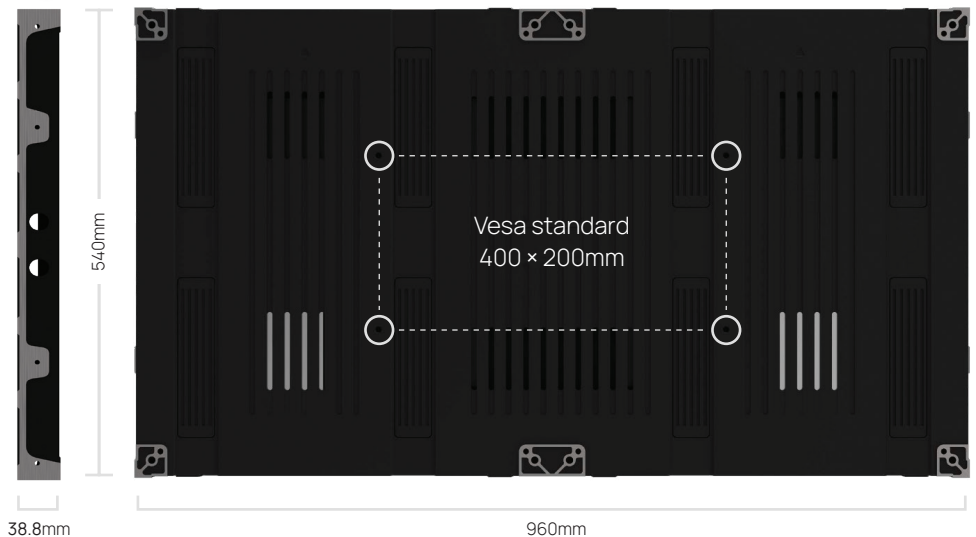
SPECIFICATIONS

SMD

PHYSICAL PARAMETERS						
Pixel Pitch (mm)	0.9375	1.25	1.5	1.875	2.0	2.5
Unit Size (W × H × D)	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in
Unit Weight (kg / lbs)	11 / 24.25	11 / 24.25	11 / 24.25	11 / 24.25	11 / 24.25	11 / 24.25
OPTICAL PARAMETERS						
Unit Resolution	1024 × 576	768 × 432	640 × 360	512 × 288	480 × 270	384 × 216
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9
Brightness (nits = cd/m^2)	≤600	≤600	≤600	≤800	≤800	≤800
Refresh Rate (Hz)	≤3,840	≤3,840	≤3,840	≤3,840	≤3,840	≤3,840
Color Temperature (K)	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000
ELECTRICAL PARAMETERS						
Power Consumption Max (W/m^2 / W/ft^2)	≤540 / 50	≤540 / 50	≤510 / 47	≤600 / 56	≤560 / 52	≤520 / 48
Power Consumption Typical (W/m^2 / W/ft^2)	≤210 / 20	≤210 / 20	≤200 / 19	≤240 / 22	≤220 / 20	≤210 / 20
Working Voltage	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz
ADDITIONAL FEATURES						
Lifetime (Hours)	100,000	100,000	100,000	100,000	100,000	100,000
Operating Temp (°C / °F)	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140
Humidity Range (%)	10 ~ 90	10 ~ 90	10 ~ 90	10 ~ 90	10 ~ 90	10 ~ 90

FLIP CHIP SMD

PHYSICAL PARAMETERS					
Pixel Pitch (mm)	1.25	1.5	1.875	2.0	2.5
Unit Size (W × H × D)	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in
Unit Weight (kg / lbs)	11 / 24.25	11 / 24.25	11 / 24.25	11 / 24.25	11 / 24.25
OPTICAL PARAMETERS					
Unit Resolution	768 × 432	640 × 360	512 × 288	480 × 270	384 × 216
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
Brightness (nits = cd/m^2)	≤1,200	≤1,200	≤1,200	≤1,200	≤1,200
Refresh Rate (Hz)	≤3,840	≤3,840	≤3,840	≤3,840	≤3,840
Color Temperature (K)	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000
ELECTRICAL PARAMETERS					
Features	Common Cathode	Common Cathode	Common Cathode	Common Cathode	Common Cathode
Power Consumption Max (W/m^2 / W/ft^2)	≤900 / 84	≤840 / 78	≤780 / 72	≤720 / 67	≤660 / 61
Power Consumption Typical (W/m^2 / W/ft^2)	≤360 / 33	≤330 / 31	≤310 / 29	≤290 / 27	≤260 / 24
Working Voltage	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz
ADDITIONAL FEATURES					
Lifetime (Hours)	100,000	100,000	100,000	100,000	100,000
Operating Temp (°C / °F)	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140
Humidity Range (%)	10 ~ 90	10 ~ 90	10 ~ 90	10 ~ 90	10 ~ 90

FLIP CHIP SMD (High Brightness)

PHYSICAL PARAMETERS			
Pixel Pitch (mm)	1.25	1.5	1.875
Unit Size (mm / W × H × D)	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in	960 × 540 × 38.8mm 37.79 × 21.25 × 1.52in
Unit Weight (kg / lbs)	11 / 24.25	11 / 24.25	11 / 24.25
OPTICAL PARAMETERS			
Unit Resolution	768 × 432	640 × 360	512 × 288
Aspect Ratio	16:9	16:9	16:9
Brightness (nits = cd/m^2)	≤4,000	≤4,000	≤4,000
Refresh Rate (Hz)	≤3,840	≤3,840	≤3,840
Color Temperature (K)	2,500 ~ 10,000	2,500 ~ 10,000	2,500 ~ 10,000
ELECTRICAL PARAMETERS			
Features	Common Cathode	Common Cathode	Common Cathode
Power Consumption Max (W/m^2 / W/ft^2)	≤800 / 74	≤760 / 71	≤720 / 67
Power Consumption Typical (W/m^2 / W/ft^2)	≤320 / 30	≤300 / 28	≤290 / 27
Working Voltage	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V, 50 ~ 60 Hz	AC:100V ~ 240V,, 50 ~ 60 Hz
ADDITIONAL FEATURES			
Lifetime (Hours)	100,000	100,000	100,000
Operating Temp (°C / °F)	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140	−20 ~ +60 / −4 ~ +140
Humidity Range (%)	10 ~ 90	10 ~ 90	10 ~ 90

*40% energy saving is calculated vs SMD technology when Flip Chip technology is run at a comparable brightness of 800nits.
*All data contained is subject to change.

VOD

Please contact us if you have any questions,
we're always happy to help

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