# 43" EDGE Pro

**best of show 2023**
AT ISE 2023
**Winner**
AV TECHNOLOGY

## 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
GOB optional
≤2000 nits

SMD
GOB optional
≤1000 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

**1/22**
scan level

### 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 2000 nits is. Capable of 2000 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
**2,000 nits**
peak brightness for your HDR photos and videos

Up to
**40%**
energy saving

**DCI-P3**
wide colour gamut

Up to
**2.5x**
brighter than standard SMD

### Flip Chip SMD (high-bright)

If 2000 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 narrow 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

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**www.theledstudio.co.uk**

**LEDstudio** powered by VOD

- 16:9 aspect ratio
- Light weight 11kg per cabinet
- Up to 40% energy savings
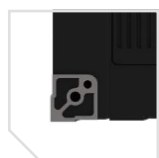- Superior colour accuracy
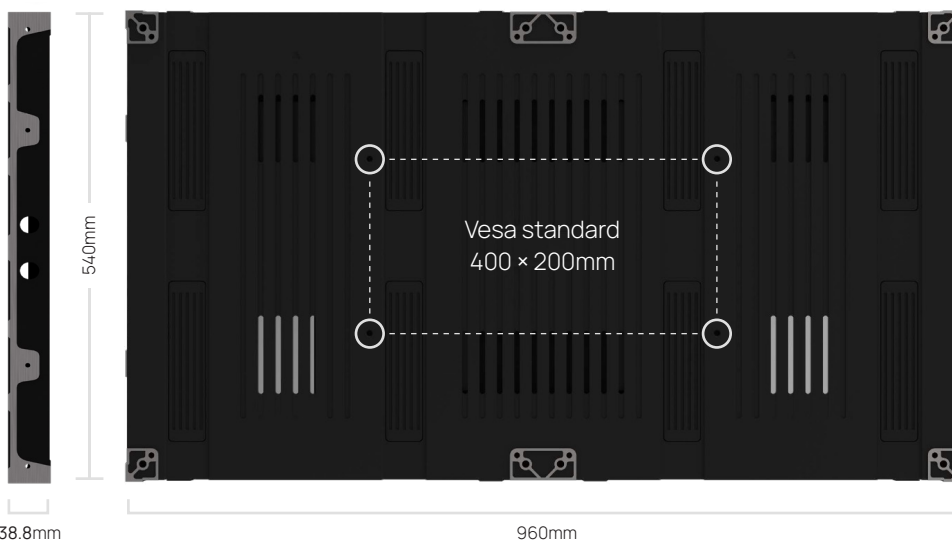- GOB - glue on board optional

## 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

38.8mm

Vesa standard
400 × 200mm

960mm

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# 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 × 38.8 mm 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 mm 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 mm 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 mm 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 mm 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 mm 37.79" × 21.25" × 1.52" |
| 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$^2$) | ≤600 / 56 | ≤600 / 56 | ≤600 / 56 | ≤500 / 46 | ≤480 / 45 | ≤450 / 42 |
| Power Consumption Typical (W/m$^2$ / W/ft$^2$) | ≤200 / 19 | ≤200 / 19 | ≤200 / 19 | ≤170 / 16 | ≤160 / 15 | ≤150 / 14 |
| 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) +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ |
| 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 × 38.8 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 37.79" × 21.25" × 1.52" |
| 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$^2$) | ≤2,000 | ≤2,000 | ≤2,000 | ≤2,000 | ≤2,000 |
| 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$^2$) | ≤700 / 65 | ≤700 / 65 | ≤700 / 65 | ≤700 / 65 | ≤700 / 65 |
| Power Consumption Typical (W/m$^2$ / W/ft$^2$) | ≤250 / 23 | ≤250 / 23 | ≤250 / 23 | ≤250 / 23 | ≤250 / 23 |
| 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) +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ +140 | −20 ~ +60 / −4 ~ |
| 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 × 38.8 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 37.79" × 21.25" × 1.52" | 960 × 540 × 38.8 37.79" × 21.25" × 1.52" |
| 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$^2$) | ≤980 / 91 | ≤980 / 91 | ≤980 / 91 |
| Power Consumption Typical (W/m$^2$ / W/ft$^2$) | ≤350 / 33 | ≤350 / 33 | ≤350 / 33 |
| 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 |

# LEDstudio
### powered by VOD

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

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