FUSION

SUPERIOR ENERGY EFFICIENCY & STATE-OF-THE-ART MONITORING THAT TOWERS ABOVE THE CROWD.

ADVENTURE IS WAITING
ARE YOU READY?

Get there with our new sportswear
www.sportswear.com

ALL-IN-ONE BILLBOARD SOLUTION (UK, EU, ME, US)

Fusion of parts to create industry standard sizes

Superior energy efficiency

State of the art single component monitoring

Monitoring camera as standard

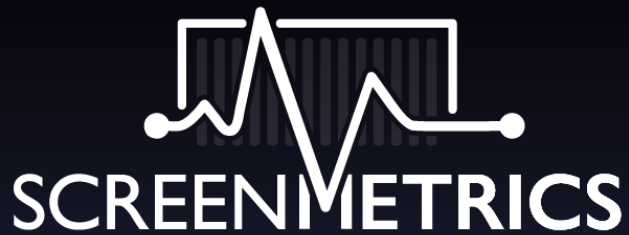**Industry leading redundancy**

Thinner & lighter

Out of the box ready to go

Cloud CMS

Front & rear serviceable

SCREENMETRICS

WHAT IS SCREENMETRICS?

SCREENMETRICS provides 24/7 screen monitoring via a proactive, secure system. Remote fault alerts and early identification analytics support and simplify screen lifecycle planning and management.

Industry leading pre-emptive maintenance & monitoring

- Real time power supply monitoring
- Individual pixel monitoring
- Input signal and backup signal monitoring
- Live camera feed
- Internal & external component temperature
- Screen power draw

Dual core content playback redundancy

Core 1: Contains Synchronous/Asynchronous screen processor, 4g router and monitoring PC

Core 2: Contains CMS/PC and 4G router (customer zone)

Core 1 receives a live input from Core 2 and will take over content playback if there is an issue. If all signal is lost the display will take a freeze frame of the last displayed image until issue is resolved resulting in no downtime.

INSTALLATION APP

SCREENMETRICS installation app performs a full diagnostic on the screen at time of install, ensuring correct connections and simplifying commissioning.

- **24/7 system monitoring**
- **Improved uptime efficiency**
- **Live camera views**
- **Single dashboard for multiple networks**
- **Safe & secure system**
- **Real-time fault diagnosis**
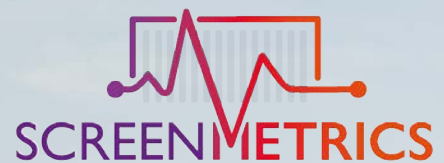- **Easy report generation**
- **Data recorded to secure Navaho Cloud**

Say goodbye to patchy screens. ScreenMetrics will alert you before a problem becomes a big problem

SCREENMETRICS

Contact us: +44 (0)20 3832 9500
www.theledstudio.com

LEDstudio

SIMPLIFIED INSTALLS

Custom designs for every install eventuality.

Pre-assembled cabinet arrays can be delivered to site, simplifying and speeding up your installations.

IP66 WEATHERPROOF STRUCTURE

IP66 for the entire cabinet making it highly durable in any demanding outdoor environment.

Efficient install and serviceability

Gain quick and easy access to key components with front or rear access.
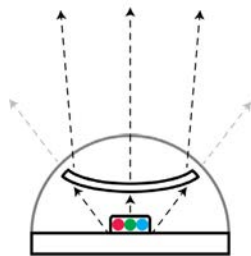
FOCAL LENS TECHNOLOGY

Light pollution and energy consumption reduction

Introducing FOCAL, an optional upgrade for our FORTIS Plus outdoor display. This groundbreaking feature allows for a more precise and focused beam of light, ensuring that your advertisement reaches your target audience without disturbing nearby residents and buildings. Our FOCAL technology minimises light pollution outside the displays frustum, making it possible to install digital billboards in sensitive locations where planning permissions may have previously been denied.
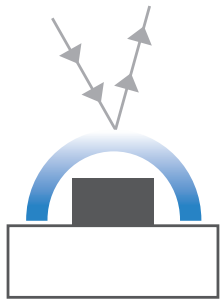
Standard lens diagram   Focal lens diagram

Leading the way – why our innovations exceed the competition

Our advanced Focal solution is a superior alternative to traditional louvres for reducing the spread of emitted light. Our lenses efficiently adjust the horizontal and vertical viewing angles to create a specific lighting pattern, saving energy and reducing light pollution and increasing emitted light in the direction of the audience.

Made with high-quality anti-UV polycarbonate, our lenses are resistant to dust and snow, and will not yellow or crack under prolonged exposure to sunlight and environmental conditions.

Our high-performance optical lens design allows for a superior luminance ratio and ultra-low power consumption *see spec table for power info.

Choose between 8,000, 10,000 and 12,000 nits.

Market leading contrast ratios of up to 15000:1 ensuring your content is crisp, rich and impactful even in bright sunlight.

EASY TO SPECIFY

Two industry standard sizes suitable for markets all over the world (UK, US, EU, ME)

At under 80mm in depth the FUSION is one of the thinnest and lightest displays in it's class.

3000mm / 9.84ft

78.74mm / 3.1"

UK/EU/ME Screen
Total screen weight = 468kg / 1031lbs

6000mm / 19.69ft

US Screen
Total screen weight = 1623kg / 3578lbs

4267mm / 14ft

14630mm / 48ft
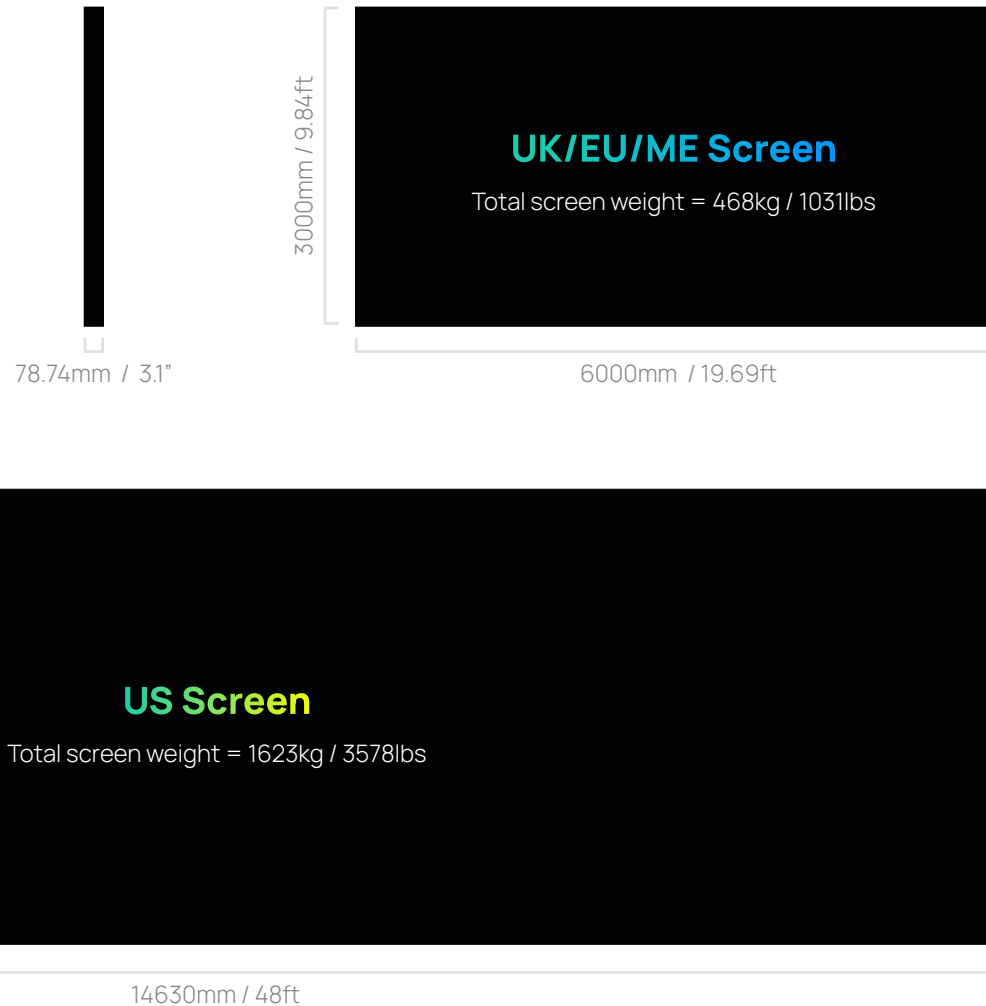
Note: For custom size billboards please refer to the Fortis Plus or speak with your local sales representative.

SPECIFICATIONS

Customize your display with multiple pixel pitch options

UK, EU, ME PIXEL OPTIONS

FOCAL *optional upgrade

MODEL	P6.94	P8.33	P10	P10 (HIGH BRIGHT)	P16	FOCAL-16
Pixel Pitch (mm)	6.94	8.33	10	10	16.93	16mm
Pixel Configuration	SMD	SMD	SMD	SMD	SMD	SMD
Resolution	864 × 432	720 × 360	600 × 300	600 × 300	375 × 188	375 × 188
Application	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
MODULE INFORMATION						
Size of Module (mm) (H × W)	500 x 500	500 x 600	500 x 600	300 x 500	609.6 x 508	508 X 609.6 mm
Resolution of Module (pixels) (H × W)	72 × 72	60 × 72	50 × 60	30 × 50	36 × 30	18 × 31
Standard Cabinet Size (H × W)	3000 × 1000 mm	3000 × 1200 mm	3000 × 1200 mm	3000 × 1000 mm	4267 × 1016 mm	–
Display Size (H × W)	3000 × 6000 mm (48sht)					3000 × 6000 mm (48sht)
DISPLAY INFORMATION						
Weight (full display)	468kg (based on 3000 × 6000 mm display)					468kg (based on 3000 × 6000 mm display)
Power Consumption Max. (per display)	9,900W	9,900W	9,900 W	11,340W	9,900 W	3,600W
Power Consumption Avg. (per display)	3,240W	3,240W	3,240W	3,780W	3,240W	1,180W
Brightness (cd/m²)	>6000	>6000	>6000	>10,000	>12,000	12,000*
Contrast Ratio	>8000:1	>8000:1	>8000:1	>12,000:1	>15,000:1	>15,000:1
Viewing Angle	160° / 100°	160° / 100°	160° / 100°	160° / 100°	1600° / 100°	80° / 40°
IP Rating	IP66 (front & rear)	IP66 (front & rear)	IP66 (front & rear)	IP66 (front & rear)	IP66 (front & rear)	IP66 (front & rear)
Grey Scale	16Bit	16Bit	16Bit	16Bit	16Bit	16Bit
Refresh Rate (Hz)	3840	3840	3840	3840	3840	3840
Maintenance	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear	Front and Rear

*Brightness guaranteed to remain at or above 6,000 nits through 12 years.
*All data contained is subject to change.

SPECIFICATIONS

*FOCAL lens technology optional upgrade

US PIXEL OPTIONS

MODEL	P10
Pixel Pitch (mm)	10
Pixel Configuration	SMD
Resolution	1463 × 426
Application	Outdoor
MODULE INFORMATION	
Size of Module (mm) (H × W)	12" × 20" (300 x 500 mm)
Resolution of Module (pixels) (H × W)	30 × 50
Standard Cabinet Size (H × W)	120" × 40" (3000 × 1000 mm)
Display Size (H × W)	14ft × 48ft (14630 × 4267 mm)
DISPLAY INFORMATION	
Weight (lb/sqft)	5.2
Power Consumption Max. (per display)	22,485W
Power Consumption Avg. (per display)	7,495W
Brightness (cd/m²)	>12,000:1
Contrast Ratio	>12,000:1
Viewing Angle	80° / 40°
IP Rating	IP66 (front & rear)
Grey Scale	16Bit
Refresh Rate (Hz)	3840
Maintenance	Front and Rear

FOCAL

	FOCAL-16
	16mm
	SMD
	914 × 266
	Outdoor
	508 X 609.6 mm
	18 × 31
	–
	14ft × 48ft (14630 × 4267 mm)
	5.2 (14ft × 48ft display =3,578lbs)
	12,492W
	4060W
	12,000*
	>15,000:1
	80° / 40°
	IP66 (front & rear)
	16Bit
	3840
	Front and Rear

*Brightness guaranteed to remain at or above 6,000 nits through 12 years.
*All data contained is subject to change.

⊕ LEDstudio

**LED display technology
for tomorrow's world.**

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

www.theledstudio.com
sales@theledstudio.co.uk

UK Showroom
The Pavilion
Merchant Square
London, W2 1JZ
United Kingdom

Tel: +44 (0) 20 3832 9500

Head Office
Unit 3 Clearwater Business Park
Frankland Road
Swindon, SN5 8YZ
United Kingdom

Tel: +44 (0) 20 3852 9500

EMEA Office
169–171 Makarios III Avenue
Cedars Oasis Tower
3027, Limassol
Cyprus

Tel: +357 9625 8848

USA Office
8701 John W Carpenter Frwy,
Suite 150,
Dallas TX 75247
USA

Tel: +1 (508) 657-4622

⊕ LEDstudio