

PI2-ER

indoor/outdoor LED panels

12.5mm dot pitch model



stadiums



billboards

The new Enhanced Resolution technology from Lighthouse in the PI2-ER offers the very best in higher image resolution.

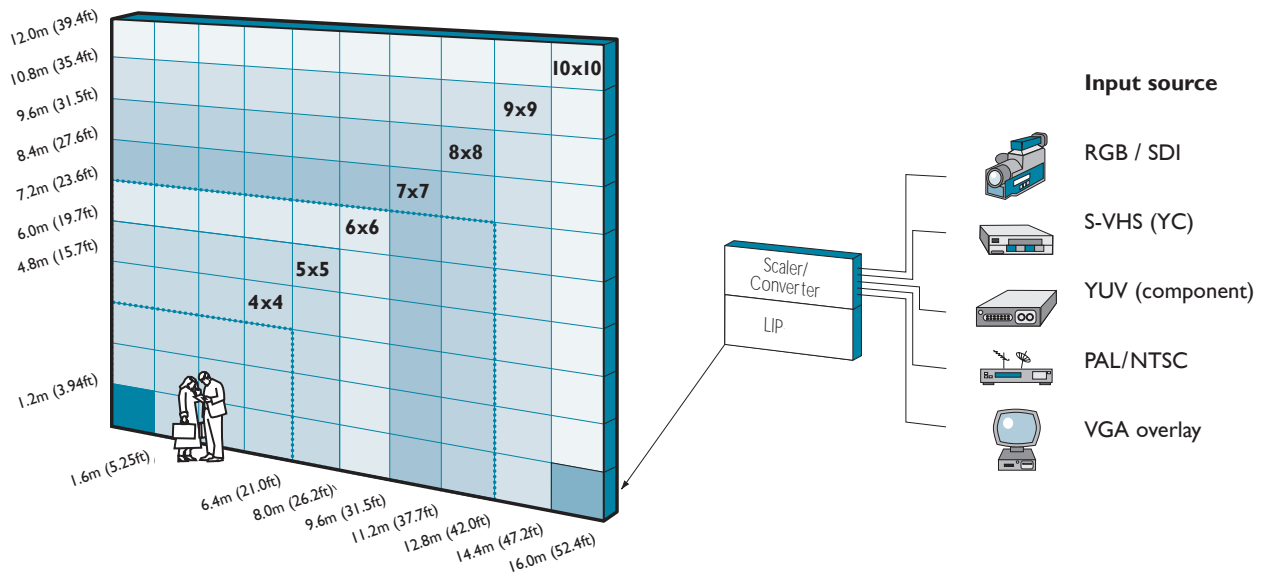
With 12.5mm dot pitch resolution, 14 bit greyscale and Lighthouse's industry leading M4 colour and brightness correction system giving enhanced resolution in a cost effective package.

Featuring high brightness, wide viewing angles and stunning picture quality, this model is suited to sports venues and advertising displays.

create impact

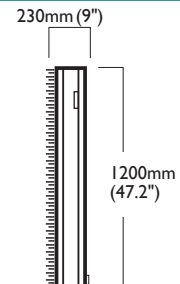
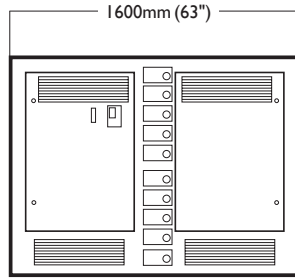
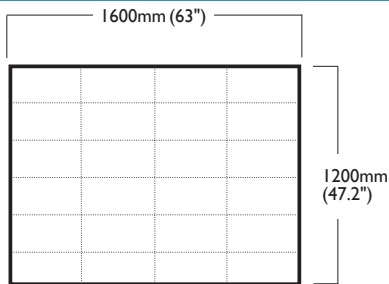
PI2-ER indoor/outdoor LED panel

configurations



quick reference guide

PI2-ER



| | | | |
|---------------------------------|-------------------------|-------------------------------------|---------------------------------------------------------------------|
| brightness | 5000 nits | data refresh rate (typical) | 100 kHz |
| viewing angle horizontal | 140° (50% brightness) | video frame rate | 50/60 frames per second |
| viewing angle vertical | 40° (50% brightness) | display input | RGB HV, SDI, RGB, YUV, YC, Composite, VGA overlay (HD-SDI Optional) |
| dot pitch | 12.5mm | lifetime (50% brightness) | >50,000 hours |
| pixel pitch | 25.0mm | diagonal | 2000mm (78.7") |
| pixel density | 1600 per m ² | operating temperature | -20 to 40°C |
| pixel configuration | RGB 1, 2, 1 | power consumption (typical)* | 380 watts |
| colours | 4.4 trillion | | |
| processing depth | 14 bit | | |

Standard 4:3 aspect ratio (16:9 aspect also possible)

| PI2-ER panel | Panel total | Size (m ²) | Size (ft ²) | Dimensions | | Dot Resolution w x h | Panel | Average power consumption* | | |
|--------------|-------------|------------------------|-------------------------|-------------|---------------|----------------------|-----------------------------------|----------------------------|----------------------------|----------------------------|
| | | | | w x h (m) | w x h (ft) | | | Total (watts) | I Phase (amps) (240 volts) | I Phase (amps) (110 volts) |
| 1 | 1 | 1.92 | 20.9 | 1.60 x 1.20 | 5.25 x 3.94 | 128 x 96 | Total weight [†] kg (lb) | | | |
| 4 x 4 | 16 | 30.72 | 334.4 | 6.4 x 4.8 | 20.99 x 15.74 | 512 x 384 | 101.5 (223.3) | 380 | 1.6 | 3.45 |
| 5 x 5 | 25 | 48.0 | 522.5 | 8.0 x 6.0 | 26.24 x 19.66 | 640 x 480 | 1624 (3572.8) | 6080 | 25.3 | 55.3 |
| 6 x 6 | 36 | 69.12 | 752.4 | 9.6 x 7.2 | 31.49 x 23.62 | 768 x 576 | 2537.5 (5582.5) | 9500 | 39.6 | 86.4 |
| 7 x 7 | 49 | 94.80 | 1024.1 | 11.2 x 8.4 | 37.74 x 27.55 | 896 x 672 | 3654 (8039) | 13680 | 57.0 | 124.4 |
| 8 x 8 | 64 | 122.88 | 1337.6 | 12.8 x 9.6 | 41.98 x 31.49 | 1024 x 768 | 6496 (14291) | 24320 | 77.6 | 169.3 |
| 9 x 9 | 81 | 155.52 | 1692.9 | 14.4 x 10.8 | 47.23 x 35.42 | 1152 x 864 | 8221 (18087) | 30780 | 101.3 | 221.1 |
| 10 x 10 | 100 | 192 | 2090 | 16.0 x 12.0 | 52.48 x 39.36 | 1280 x 960 | 10150 (22330) | 38000 | 128.2 | 279.8 |
| | | | | | | | | | 158.3 | 345.5 |

* Based on typical power consumption being 40% of maximum.

Alternative processing systems are available for larger screen sizes.

Lighthouse reserves the right to change any specifications without notice.