

R10 i/o

# indoor/outdoor panels

10mm Rental model



rental



concerts



exhibitions



conferences



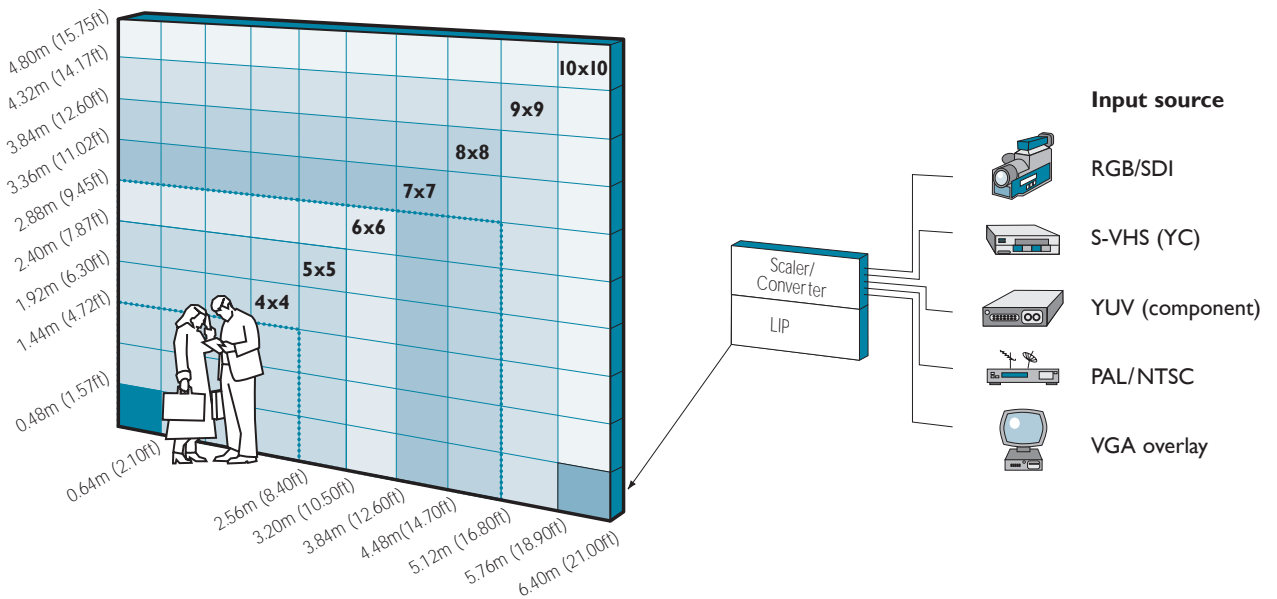
TV studios

The R10 i/o indoor/outdoor is the first fully weatherproofed SMD display suitable for outdoor use. With its 10mm pixel pitch, high brightness, 14 bit technology and M4 uniformity control, the R10 i/o displays stunning images. Packaged in sleek, lightweight casings, the R10 i/o is the ideal display choice for both indoor and outdoor applications.

create impact

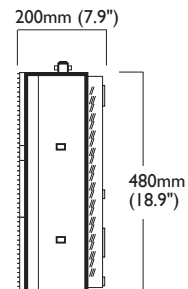
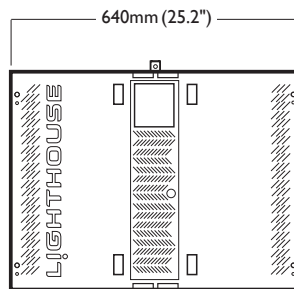
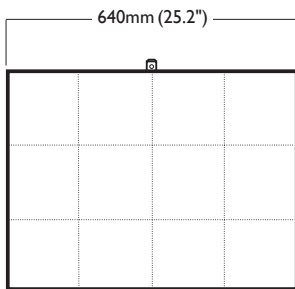
# R10<sub>1</sub>/o indoor/outdoor LED panel

## configurations



## quick reference guide

R10<sub>1</sub>/o



<b>brightness</b>	5000 nits	<b>data refresh rate (typical)</b>	100 kHz
<b>viewing angle horizontal</b>	120° (50% brightness)	<b>video frame rate</b>	50/60 frames per second
<b>viewing angle vertical</b>	80° (50% brightness)	<b>display input</b>	RGB HV, YUV, YC, SDI Composite (HD-SDI optional)
<b>pixel pitch</b>	10mm	<b>lifetime (50% brightness)</b>	>50,000 hours
<b>pixel density</b>	10,000 per m <sup>2</sup>	<b>diagonal</b>	800mm (31.5")
<b>pixel configuration</b>	SMD 1, 1, 1	<b>operating temperature</b>	-20 to 40°C
<b>colours</b>	4.4 trillion	<b>power consumption (typical)*</b>	234 watts
<b>processing depth</b>	14 bit		

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

R10 <sub>1</sub> /o Panel	Panel total	Size (m <sup>2</sup> )	Size (ft <sup>2</sup> )	Dimensions		Pixel resolution w x h	Panel	Average power consumption*		
				w x h (m)	w x h (ft)			Total (watts)	1 Phase (amps)	1 Phase (amps)
1	1	0.31	3.31	0.64 x 0.48	2.10 x 1.57	64 x 48	32 (70)	234	1.0	2.1
4 x 4	16	4.92	52.91	2.56 x 1.92	8.40 x 6.30	256 x 192	512 (1126)	3744	15.6	34.0
5 x 5	25	7.68	82.67	3.20 x 2.40	10.50 x 7.87	320 x 240	800 (1760)	5850	24.4	53.2
6 x 6	36	11.06	119.04	3.84 x 2.88	12.60 x 9.45	384 x 288	1152 (2534)	8424	35.1	76.6
7 x 7	49	15.05	162.03	4.48 x 3.36	14.70 x 11.02	448 x 336	1568 (3450)	11466	47.8	104.2
8 x 8	64	19.66	211.63	5.12 x 3.84	16.80 x 12.60	512 x 384	2048 (4506)	14976	62.4	136.1
9 x 9	81	24.88	267.84	5.76 x 4.32	18.90 x 14.17	576 x 432	2592 (5702)	18954	79.0	172.3
10 x 10	100	30.72	330.67	6.40 x 4.80	21.00 x 15.75	640 x 480	3200 (7040)	23400	97.5	212.7

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

Flightcase available upon request.

Alternative processing systems are available for larger screen sizes.

Lighthouse reserves the right to change any specifications without notice.