PLANAR

CLARITY RPi SERIES

The Clarity™ RPi Series, available in 50" and 67" sizes, are rear-projection displays incorporating single chip DLP® with Set it and Forget it™ (SiFi) technology for optimum performance in data-driven wall applications. Based on our Integrated System architecture, each RPi Series digital display is designed to operate with our proven Indisys™ image processing system. It is an integrated solution you can depend on.

FEATURES

Superior resolution
SXGA+ (1400 x 1050)

Intelligent operation
SiFi™ auto color and brightness control

Easy setup and service
Motorized image alignment, full front and rear access, modular design

Fully integrated system
Indisys™ processing with PiP4 and scaling

Dual lamp option
For mission-critical applications

Screen technology
Industry-leading seamless screen option

CLARITY c50RPi

Display resolution	1400 x 1050 (SXGA+)	
Aspect ratio (W:H)	4:3	
Display technology	DLP® .95" SXGA+ DMD with 12° tilt angle	
Pixel shape	Square	
Screen dimensions		
Diagonal	50" (127 cm)	
Width by Height	40" x 30" (101.6 cm x 76.2 cm)	
Cabinet dimensions (WxHxD)	40" x 37.8" x 27.11" (101.6 cm x 96 cm x 69 cm)	
Maximum stack height*	6 without additional support	
Screen type	**Wide-view (WV)**	**High-bright (HB)**
Full viewing angle	180º	180º
Viewing angle (1/5 gain)	+/-70º V/H	+/-18º V; +/-48º H
Viewing angle (1/2 gain)	+/-38º V/H	+/-10º V; +/-33º H
Border (typical)	0	0
Screen to screen gap	< 0.7 mm	< 0.7 mm
Brightness** (typical)		
100 watt	180 cd/m2 (54 ftL)	630 cd/m2 (184 ftL)
120 watt	220 cd/m2 (65 ftL)	756 cd/m2 (221 ftL)
Contrast ratio (full field)	1500:1	
Image alignment	6-Axis motor control	
Brightness uniformity	>90%	
Color and brightness control (optional)	Automatic via SiFi™ Auto Color Balance	
Weight***	112 lbs (51 kg)	
Lamp type	100-120 watt UHP Long Life Single and Dual auto switching options	
Lamp life**** (median)	**100 watt:** 10,000 hours **120 watt:** 6,000 hours	
Power consumption	Maximum: 250 watts Typical: 170 watts	
Serviceability	Full front/Full rear access	
Rear clearance	Zero required	
Colors	16.7 million	
Color gamut	> 68% NTSC, 94% EBU	
Operating temperature	5-35ºC (22º +/-3C for optimal screen performance)	
Non-operating temperature	-10°C to 50°C	
Operating humidity	20-80% RH non-condensing	
Safety regulations	FCC Class A, EN55022/CISPR22, ICES-003, CNS 13438, EN55024, EN60950, TUV Rheinland, EU RoHS	
Ambient noise	45 dB (typical)	
Integrated Architecture		
Processor	Indisys™	
Capabilities	PiP	Processing
	4	Resize, pan, scale, zoom, snapshot
Inputs	2 x DVI-D connectors	
	330 MHz Pixel frequency	
Loop through	Digital (2 x DVI-D connectors)	
Miscellaneous	LCD control display on rear-panel	
	Ethernet TCP/IP control	

* Walls above 3 high should be tied back for safety.
** Specified with white boost off. With white boost on, the brightness will increase 33%.
*** Weight and dimensions are approximate. Specifications and design are subject to change without notice. This product may be subject to export control regulations.
****Lamp manufacturer specs at IEC 61947-1 text conditions.

Indisys™

CLARITY c67RPi

Display resolution	1400 x 1050	
Aspect ratio (W:H)	4:3	
Display technology	DLP .95" SXGA+ DMD with 12° tilt angle	
Pixel Shape	Square	
Screen dimensions		
Diagonal	67" (170.2 cm)	
Width by Height	53.5" x 40.2" (135.9 cm x 101.9 cm)	
Cabinet dimensions (WxHxD)	53.5" x 49.1" x 33.65" (136 cm x 124.8 cm x 85.7 cm)	
Maximum stack height *	6 without additional support	
Screen type	**Wide-view (WV)**	**High-bright (HB)**
Full viewing angle	180°	180°
Viewing angle (1/5 gain)	+/-70° V/H	+/-18° V; +/-48° H
Viewing angle (1/2 gain)	+/-38° V/H	+/-10° V; +/-33° H
Border (typical)	0	0
Screen to screen gap	< 0.7 mm	< 0.7 mm
Brightness** (typical)		
100 watt	101 cd/m2 (30 ftL)	355 cd/m2 (103 ftL)
120 watt	123 cd/m2 (36 ftL)	425 cd/m2 (125 ftL)
Contrast ratio (full field)	1350:1	
Image alignment	6-Axis motor control	
Brightness uniformity	>90%	
Color and brightness control (optional)	Automatic via SiFi (Set It and Forget It™) Auto Color Balance	
Weight***	170 lbs (77 kg)	
Lamp type	100-120 watt UHP Long Life Single and Dual auto switching options	
Lamp life**** (median)	**100 watt:** 10,000 hours **120 watt:** 6,000 hours	
Power consumption	Maximum: 250 watts Typical: 170 watts	
Serviceability	Full front/Full rear access	
Rear clearance	Zero required	
Colors	16.7 million	
Color gamut	> 68% NTSC, 94% EBU	
Operating temperature	5-35ºC (22º +/-3C for optimal screen performance)	
Non-operating temperature	-10°C to 50°C	
Operating humidity	20-80% RH non-condensing	
Safety regulations	FCC Class A, EN55022/CISPR22, ICES-003, CNS 13438,	
	EN55024, EN60950, TUV Rheinland, EU RoHS**mbient noise** 45 dB	
(typical)		
Integrated Architecture		
Processor	Indisys™	
Capabilities	**PiP**	**Processing**
	4	Resize, pan, scale, zoom, snapshot
Inputs	2 x DVI-D connectors	
	330 MHz Pixel frequency	
Loop through	Digital (2 x DVI-D connectors)	
Miscellaneous	LCD control display on rear-panel	
	Ethernet TCP/IP control	

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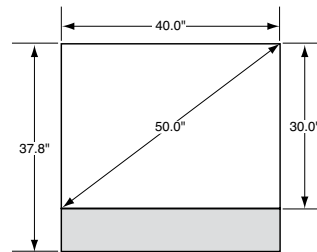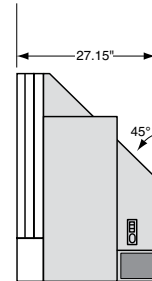 ****Lamp manufacturer specs at IEC 61947-1 text conditions.

Accessories

Screen Brace (SB-c50RP, SB-c67RP) – A simple screen support which provides adequate support for the screen and covers chassis pedestal
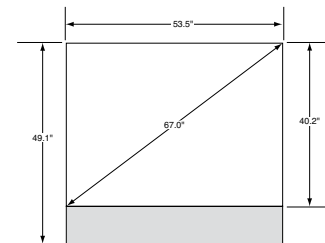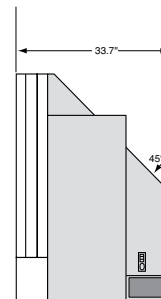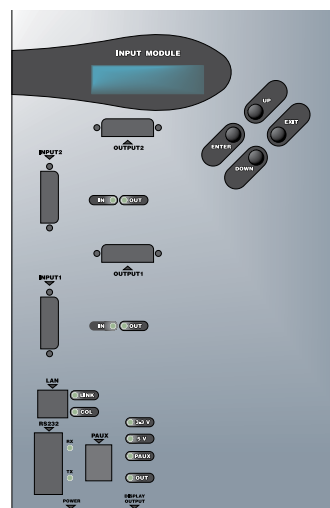
c50RPi

front

side

40.0"
50.0"
30.0"
37.8"
27.15"
45°

c67RPi

front

side

53.5"
67.0"
40.2"
49.1"
33.7"
45°

RPi series connection panel

For more information

To learn more about the Clarity RPi series by Planar Systems, call 503-748-1100 or visit www.planarcontrolroom.com.

Touchboards

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PLANAR™

When image experience matters.