



# CLARITY RP SERIES

The Clarity™ RP 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. They combine high image quality, a versatile format, seamless screen, dual lamp option and easy setup in an open system that can be used with virtually any image processor on the market.



## 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

**Color purity**  
High brightness and  
color performance (DLP®)

**Dual lamp option**  
For mission-critical applications

**Screen technology**  
Industry-leading  
seamless screen option

**Open architecture electronics**  
Compatible with a wide range  
of 3rd party image processors

## CLARITY C50RP

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)	PrecisionView-2 (PV2)
Full viewing angle	180°	180°	180°
Viewing angle (1/5 gain)	+/-70° V/H	+/-18° V; +/-48° H	+/-48° V; +/-51° H
Viewing angle (1/2 gain)	+/-38° V/H	+/-10° V; +/-33° H	+/-32° V; +/-37° H
Border (typical)	0	0	0
Screen to screen gap	< 0.7 mm	< 0.7 mm	< 0.7 mm
Brightness (optimal)	308 cd/m <sup>2</sup> (90 fTL)	1055 cd/m <sup>2</sup> (310 fTL)	525 cd/m <sup>2</sup> (153 fTL)
ANSI lumens	756		
Contrast ratio (full field)	< 1600:1		
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	5-35°C (22° +/-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)		
<b>Integrated</b>	Indisys™ Image Processing System		
Capabilities	PIP 4, resize, pan, scale, zoom, snapshot		
Inputs	2 x DVI-D connectors, 330 MHz Pixel frequency		
Loop Through	Digital (2 x DVI-D connectors)		
Control	IR remote, RS-232, Indisys Mgmt Suite via Ethernet TCP/IP		
<b>Open</b>	Clarity Open Electronics with Big Picture™		
Inputs	VGA to FHD (1920x1080 @ 60Hz)		
Analog:	DSUB 15 pin connector x2		
Digital:	DVI-D		
Video:	SDI, Composite, S-Video, Component-HD		
Loop through	Analog, Digital and Video		
Control	IR remote, RS-232, RS-485 with loop through, WallNet		

All specifications are subject to change.  
 \*Walls above 3 high should be tied back for safety.  
 \*\*Weight and dimensions are approximate.  
 \*\*\*Lamp manufacturers specification IEC 61947-1 test condition.

## CLARITY c67RP



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	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 33.7" (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)	PrecisionView-2 (PV2)
Full viewing angle	180°	180°	180°
Viewing angle (1/5 gain)	+/-70° V/H	+/-18° V; +/-48° H	+/-48° V; +/-51° H
Viewing angle (1/2 gain)	+/-38° V/H	+/-10° V; +/-33° H	+/-32° V; +/-37° H
Border (typical)	0	0	0
Screen to screen gap	< 0.7 mm	< 0.7 mm	< 0.7 mm
Brightness (optimal)	166 cd/m <sup>2</sup> (49 ftL)	510 cd/m <sup>2</sup> (167 ftL)	277 cd/m <sup>2</sup> (81 ftL)
ANSI lumens	756		
Contrast ratio (full field)	< 1600:1		
Image alignment	6-Axis motor control		
Brightness uniformity	90%		
Color and brightness control	Automatic via SiFi™ 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	5-35°C (22° +/--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)		
WallNet	Supported		
Big Picture	Supported		
<b>Integrated</b>	<b>Indisys™ Image Processing System</b>		
Capabilities	PIP 4, resize, pan, scale, zoom, snapshot		
Inputs	2 x DVI-D connectors, 330 MHz Pixel frequency		
Loop Through	Digital (2 x DVI-D connectors)		
Control	IR remote, RS-232, Indisys Mgmt Suite via Ethernet TCP/IP		
<b>Open</b>	<b>Clarity Open Electronics with Big Picture™</b>		
Inputs	VGA to FHD (1920x1080 @ 60Hz)		
Analog:	DSUB 15 pin connector x2		
Digital:	DVI-D		
Video:	SDI, Composite, S-Video, Component-HD		
Loop through	Analog, Digital and Video		
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## Accessories

**Video Input Module for RP (VIM – RP)** – Optional input module that allows unit to directly accept standard NTSC and PAL input (component YPbPr, composite, s-video), component video up to 1080p, and SDI (NTSC, PAL, 720p, 1080i).

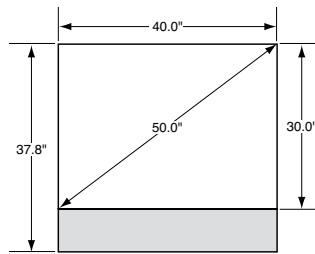
**Big Picture Module (BP – RP)** – The Big Picture functionality offers on-board full-magnification wall processing capabilities.

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

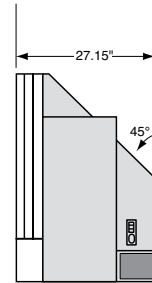
## Product Dimensions

### c50RP

front

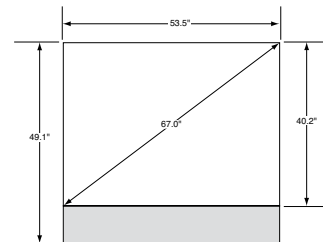


side

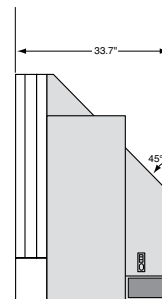


### c67RP

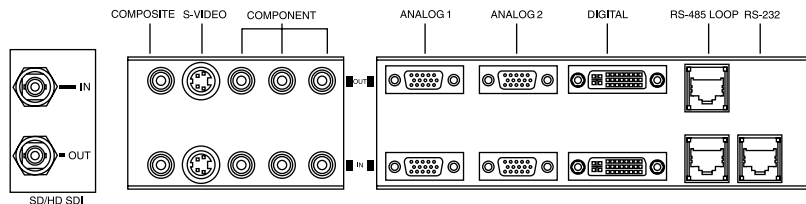
front



side



## Connection panel





### For more information

To learn more about the Clarity RP Series of control room video wall displays by Planar Systems, call 503-748-1100 or visit [www.planarcontrolroom.com](http://www.planarcontrolroom.com).

**Planar Systems, Inc.**  
1195 NW Compton Drive  
Beaverton, OR, 97006-1992, USA  
Toll Free +1-866-475-2627  
[www.planar.com](http://www.planar.com)

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