



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)
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	
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	5-35°C (2° +/-3°C 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	
Open Architecture		
Input (standard)	VGA to FHD (1920x1080 @60Hz)	
Analog	DSUB 15 pin connector x2 with loop through	
Digital	DVI-D with loop through	
Input (optional)	SDI (NTSC/PAL, 720p, 1080i) BNCx2 with loop through Composite (NTSC/PAL/SECAM) with loop through S-Video (NTSC/PAL) with loop through Component-HD (NTSC/PAL, 480p-1080p) RCAx3 with loop through	
Control	IR remote, RS-232, RS-485 with loop through, WallNet	

* 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 manufacturers specification IEC 61947-1 test condition.

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)
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 fL)	355 cd/m2 (103 fL)
120 watt	123 cd/m2 (36 fL)	425 cd/m2 (125 fL)
Contrast ratio (full field)	1500:1	
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	
Open Architecture		
Data input (standard)	VGA to FHD (1920x1080 @60Hz)	
Analog	DSUB 15 pin connector x2 with loop through	
Digital	DVI-D with loop through	
Video input (optional)	SDI (NTSC/PAL, 720p, 1080i) BNCx2 with loop through Composite (NTSC/PAL/SECAM) with loop through S-Video (NTSC/PAL) with loop through Component-HD (NTSC/PAL, 480p-1080p) RCAx3 with loop through	
Control	IR remote, RS-232, RS-485 with loop through	

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PLANAR c50RP and c67RP: PRODUCT DIMENSIONS

Accessories

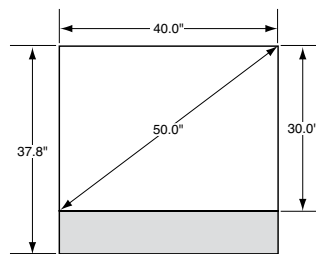
Video Input Module for RP (VIM – RP) – Optional input module that allows unit to directly accept standard NTSC and PAL input (component YPbPr, composite, s-video), component video up to 1080p, and SDI (NTSC, PAL, 720p, 1080i).

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

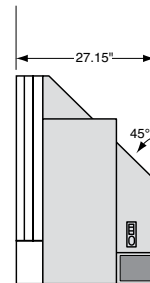
Screen Brace (SB-c50RP, SB-c67RP) – A simple screen support which provides adequate support for the screen and covers chassis pedestal.

c50RP

front

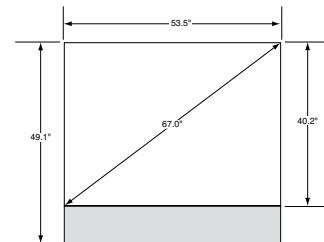


side

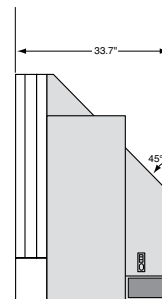


c67RP

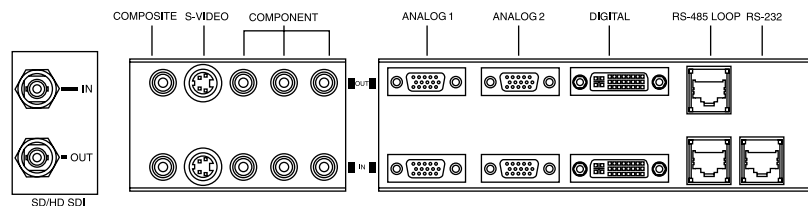
front



side



RP series connection panel





For more information

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

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