

The Clarity™ RX Series, available in 50" and 67" sizes, are XGA resolution, rear-projection displays incorporating single chip DLP® with Set it and Forget it™ (SiFi) technology for optimum performance in visual 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

**Intelligent operation**  
SiFi™ auto color and brightness control

**Common resolution**  
XGA (1024 x 768)

**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 options

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

## CLARITY c50RX

Display resolution	1024 x 768 (XGA)	
Aspect ratio (W:H)	4:3	
Display technology	DLP® .7" XGA 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 24.9" (101.6 cm x 96 cm x 63 cm)	
Maximum stack height *	6 without additional support	
Screen type	<b>Wide-view (WV)</b>	<b>High-bright (HB)</b>
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	140 cd/m2 (40 fL)	485 cd/m2 (145 fL)
120 watt	165 cd/m2 (48 fL)	580 cd/m2 (185 fL)
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 (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	
Data input (standard)	VGA to FHD (1920 x 1080 @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	
Display 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 manufacturer specs at IEC 61947-1 text conditions.

## CLARITY c67RX



<b>Display resolution</b>	1024 x 768 (XGA)	
<b>Aspect ratio (W:H)</b>	4:3	
<b>Display technology</b>	DLP® .7" XGA DMD with 12° tilt angle	
<b>Pixel shape</b>	Square	
<b>Screen dimensions</b>		
Diagonal	67" (170.2)	
Width by height	53.5" x 40.2" (135.9 cm x 101.9 cm)	
<b>Cabinet dimensions (WxHxD)</b>	53.5" x 49.1" x 31.5" (136 cm x 124.8 cm x 79.9 cm)	
<b>Maximum stack height *</b>	6 without additional support	
<b>Screen type</b>	<b>Wide-view (WV)</b>	<b>High-bright (HB)</b>
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
<b>Border (typical)</b>	0	0
<b>Screen to screen gap</b>	< 0.7 mm	< 0.7 mm
<b>Brightness** (typical)</b>		
100 watt	80 cd/m2 (25 fTL)	275 cd/m2 (85 fTL)
120 watt	95 cd/m2 (30 fTL)	325 cd/m2 (95 fTL)
<b>Contrast ratio (full field)</b>	1500:1	
<b>Image alignment</b>	6-Axis motor control	
<b>Brightness uniformity</b>	>90%	
<b>Color and brightness control</b>	Automatic via SiFi™ Auto Color Balance	
<b>Weight***</b>	170 lbs (77 kg)	
<b>Lamp type</b>	100 -120 watt UHP Long Life Single and Dual auto switching options	
<b>Lamp life**** (median)</b>	100 watt: 10,000 hours	120 watt: 6,000 hours
<b>Power consumption</b>	Maximum: 250 watts Typical: 170 watts	
<b>Serviceability</b>	Full front/Full rear access	
<b>Rear clearance</b>	Zero required	
<b>Colors</b>	16.7 million	
<b>Color gamut</b>	> 68% NTSC, 94% EBU	
<b>Operating temperature</b>	5-35°C (22° +/-3C for optimal screen performance)	
<b>Non-operating temperature</b>	-10°C to 50°C	
<b>Operating humidity</b>	20-80% RH non-condensing	
<b>Safety regulations</b>	FCC Class A, EN55022/CISPR22, ICES-003, CNS 13438, EN55024, EN60950, TUV Rheinland, EU RoHS	
<b>Ambient noise</b>	45 dB	
<b>WallNet™</b>	Supported	
<b>Big Picture</b>	Supported	
<b>Data input (standard)</b>	VGA to FHD (1920 x 1080 @60Hz)	
Analog	DSUB 15 pin connector x2 with loop through	
Digital	DVI-D with loop through	
<b>Video input (optional)</b>	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	
<b>Display control</b>	IR remote, RS-232, RS-485 with loop through, WallNet	

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## Accessories

**Video Input Module for RX (VIM – RX)** – 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).

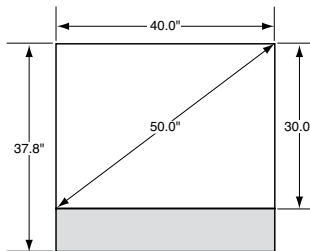
**Big Picture Module (BP – RX)** – The Big Picture functionality offers on-board full-magnification wall processing capabilities.

**Screen Brace (SB-c50RX, SB-c67RX)** – A simple screen support which provides adequate support for the screen and covers chassis pedestal.

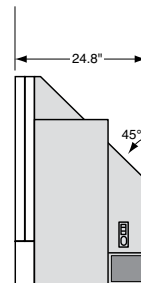
## Product dimensions

### c50RX

front

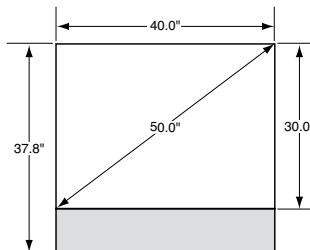


side

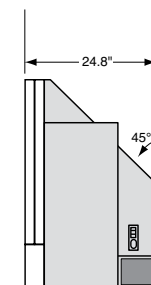


### c67RX

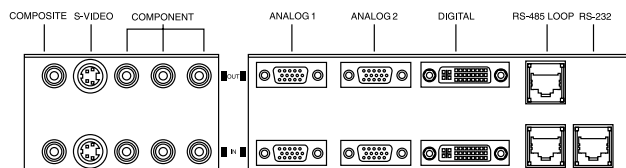
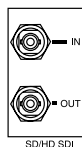
front



side



## RX series connection panel





When image experience matters.

### For more information

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

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