

Pixell SP Series

Video Wall Displays



Features

Three sizes
50", 67" and 70" cubes

Superior resolution
SXGA+ to 1080p

Outstanding video performance
SmoothPicture™ DLP®

Intelligent operation
SiFi™ color and brightness control

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

Open System
Operates with leading
image processors

The next generation of visual performance in control rooms

The Clarity SP Series is the next generation of rear-projection DLP® displays designed for video-rich control rooms and corporate environments. The cubes combine very high resolution with SmoothPicture™ DLP technology for outstanding video performance.

With the SP Series, we have set a new standard in reliable, high resolution control room solutions. In these displays you will find all the hallmarks of our superior design and engineering including excellent image quality, easy set-up, minimized footprint, front and rear serviceability, superior seamless screen technology and easy maintenance, all rolled into a new and innovative design.

The SP Series is available in three sizes, two 4:3 displays with SXGA+ resolution, plus a wide 70" display featuring 1080p high definition performance. The flexible design of the SP Series will fit the need of any control room, creating a highly functional, high quality digital display wall with a reasonable cost of ownership.

Intelligent design

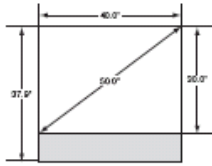
All SP Series cubes are intelligent digital displays, capable of monitoring and automatically adjusting both color and brightness balance through our revolutionary new patent-pending Set it and Forget it™ (SiFi) technology. SiFi is a proprietary system that enables brightness control and auto lamp switching through an easy-to-use remote interface. It helps users quickly and easily balance brightness, contrast and color across a wall of cubes.

The SP Series also incorporates user friendly set up and maintenance tools such as our patented six axis motor remote control image alignment, full front and rear serviceability and modular design for easy service.

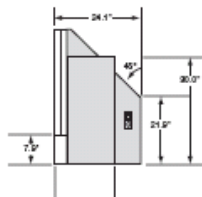
Technology freedom

Based on our Open System architecture, each SP Series digital display operates with the leading multi-image processors and other content sources. With this architecture, organizations are completely free to choose the best components for any control center environment.

Pixell c50SP Series



front



side

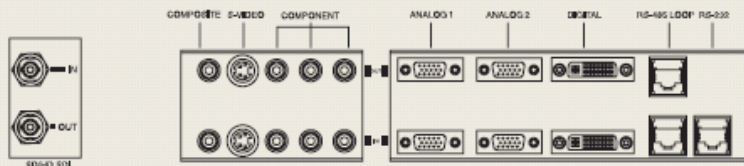
Display resolution	SXGA+ (1400 x 1050)		
Aspect ratio (W:H)	4:3		
Screen dimensions			
Diagonal	50" (127 cm)		
Width by Height	40" x 30" (101.6 cm x 76.2 cm)		
Cabinet dimensions (WxHxD)	40" x 37.9" x 24.1" (101.6 cm x 96.3 cm x 61.4 cm)		
Maximum stack height	6 high (requires supplemental support)		
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		
Screen to screen gap	< 0.7 mm	< 0.7 mm	
Brightness* (typical)			
100 watt	122 cd/m ² (36 fL)	440 cd/m ² (128 fL)	
132 watt	195 cd/m ² (57 fL)	670 cd/m ² (196 fL)	
Contrast ratio (full field)	1500:1		
Image alignment	6-Axis servo motor control		
Brightness uniformity	> 90%		
Color and brightness control	Automatic via SFi (Set It and Forget It™) Auto Color Balance		
Weight**	125 lbs (67 kg)		
Lamp type	100 watt UHP Long Life Dual auto switching 132 watt UHP High Bright Single		
Lamp life*** (median)	Long life dual 20,000 hours (10,000 x 2)	Long life single 10,000 hours	High bright single 6,000 hours
Power consumption	< 250 watts		
Serviceability	Full front/Full rear access		
Rear clearance	Zero required		
Colors	16.7 million		
Color gamut	> 70% NTSC, 100% EBU		
Operating temperature	5-30°C (20° +/-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		
Display technology	SmoothPicture™ DLP*		
Data input (standard)	VGA to FHD (1920x1080 @60Hz)		
Analog	DBUB 15 pin connector x2 with loop through		
Digital	DVI-D with loop through		
Video input (optional)	SDI (NTSC/PAL, 720, 1080i) BNCx1 with loop through Composite (NTSC/PAL/SECAM) with loop through S-Video (NTSC/PAL) with loop through Component-HD (NTSC/PAL, HD480p-1080p) RCAx3 with loop through		
Ambient noise	40 dB (typical)		
Display control	IR remote, RS-232, RS-485 with loop through		
WallNet™	Supported		
Big Picture	Supported		

*Specified with white boost off. With white boost on brightness would be increased by approximately 17%.

**Weight and dimensions are approximate. Specifications and design are subject to change without notice. This product may be subject to export control regulations.

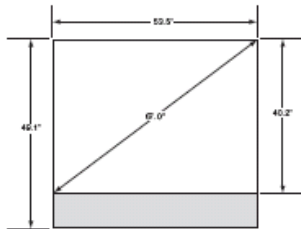
***Lamp manufacturer specs at IEC 61947-1 test conditions.

Clarity SP Series Connection Panel

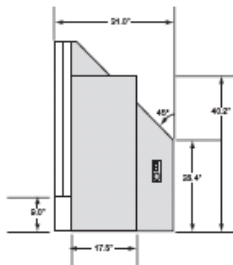


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Pixell c67SP Series



front



side

Display resolution	SXGA+ (1400 x 1050)		
Aspect ratio (W:H)	4:3		
Screen dimensions			
Diagonal	67" (170.0 cm)		
Width by Height	53.5" x 40.2" (136 cm x 102 cm)		
Cabinet dimensions (WxHxD)	53.5" x 49.1" x 3.1" (136 cm x 124.9 cm x 78.8 cm)		
Maximum stack height	6 high (requires supplemental support)		
Screen type	Wide-view	High-bright	
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	70 cd/m2 (20 fL)	250 cd/m2 (72 fL)	
132 watt	110 cd/m2 (32 fL)	670 cd/m2 (196 fL)	
Contrast ratio (full field)	1500:1		
Image alignment	6-Axis servo motor control		
Brightness uniformity	> 90%		
Color and brightness control	Automatic via SIFI (Set It and Forget It™) Auto Color Balance		
Weight**	190 lbs (86 kg)		
Lamp type	100 watt UHP Long Life Dual auto switching 132 watt UHP High Bright Single		
Lamp life*** (median)	Long life dual	Long life single	High bright single
	20,000 hours (10,000 x 2)	10,000 hours	6,000 hours
Power consumption	< 250 watts		
Serviceability	Full front/Full rear access		
Rear clearance	Zero required		
Colors	16.7 million		
Color gamut	> 70% NTSC, 100% EBU		
Operating temperature	5-30°C (20° +/-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		
Display technology	SmoothPicture DLP		
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, 720, 1080) BNCx1 with loop through Composite (NTSC/PAL/SECAM) with loop through S-Video (NTSC/PAL) with loop through Component-HD (NTSC/PAL, HD1480p-1080p) RCAx3 with loop through		
Ambient noise	40 dB (typical)		
Display control	IR remote, RS-232, RS-485 with loop through		
WallNet	Supported		
Big Picture	Supported		

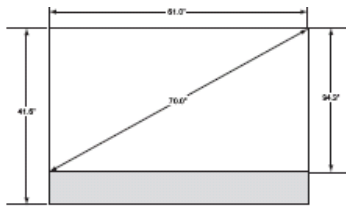
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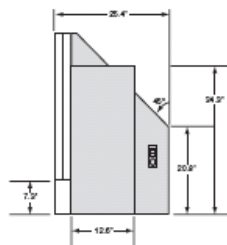
***Lamp manufacturer spec at IEC 61947-1 test conditions.

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Pixell c70SP Series



front



side

Display resolution	1080p (1920 x 1080)	
Aspect ratio (W:H)	16:9	
Screen dimensions		
Diagonal	70" (177.8 cm)	
Width by Height	61" x 34.3" (154.9 cm x 87.1 cm)	
Cabinet dimensions (WxHxD)	61" x 41.6" x 25.4" (155 cm x 105.6 cm x 64.6 cm)	
Maximum stack height	6 high (requires supplemental support)	
Screen type	Wide-view	High-bright
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	100 cd/m2 (30 fL)	360 cd/m2 (105 fL)
132 watt	160 cd/m2 (46 fL)	560 cd/m2 (165 fL)
Contrast ratio (full field)	1500:1	
Image alignment	6-Axis servo motor control	
Brightness uniformity	> 85%	
Color and brightness control	Automatic via SFI (Set It and Forget It™) Auto Color Balance	
Weight**	165 lbs (75 kg)	
Lamp type	100 watt UHP Long Life Dual auto switching 132 watt UHP High Bright Single	
Lamp life*** (median)	Long life dual 20,000 hours (10,000 x 2)	Long life single 10,000 hours
		High bright single 6,000 hours
Power consumption	< 250 watts	
Serviceability	Full front/Full rear access	
Rear clearance	Zero required	
Colors	16.7 million	
Color gamut	> 70% NTSC, 100% EBU	
Operating temperature	5-30°C (20° +/-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	
Display technology	SmoothPicture DLP	
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, 720, 1080) BNCx1 with loop through Composite (NTSC/PAL/SECAM) with loop through S-Video (NTSC/PAL) with loop through Component-HD (NTSC/PAL, HD480p-1080p) RCAx3 with loop through	
Ambient noise	40 dB (typical)	
Display control	IR remote, RS-232, RS-485 with loop through	
WallNet	Supported	
Big Picture	Supported	

*Specified with white boost off. With white boost on brightness would be increased by approximately 17%.
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