



CLARITY PUMA

The Clarity™ Puma is a 50" rear-projection display designed for mission-critical digital wall applications of all sizes. It delivers the highest resolution and reliability available at its size, and uses our AP/LCDDTM technology for outstanding image quality in any environment. And its black glass screens, thin mullions and sophisticated screen-to-screen alignment techniques produce a near seamless image.



FEATURES

Superior resolution
Up to native UXGA

Mission-critical reliability
Multi-lamp optical engine prevents downtime

Easy serviceability
Full front and rear access to components

Flexible configuration
Tailor resolution and brightness levels

Space-saving form factor
No rear clearance required

PUMA XP

Display resolution	1,024 x 768 (XGA)	
Display technology	AP/LCDD™ rear projection	
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 44.75" x 30.5" (101.6 cm x 113.67 cm x 77.47 cm)	
	SCN-5020-GV	SCN-5020-GC
Screen type	Wide-view glass	High-contrast glass
On-axis gain	1.0	1.7
Viewing angle ½ gain (H & V)	80° (±40°)	70° (±35°)
Viewing angle ⅓ gain (H & V)	135° (±67.5°)	90° (±45°)
Border (mullion)		
Standard screen	.070" (1.77mm)	.070" (1.77mm)
Screen to screen gap	.020" (0.5mm)	.020" (0.5mm)
Screen brightness (typical)		
With all available lamps	72ftL	124ftL
Contrast ratio (full field)	>1,200:1 typical	
Brightness uniformity (new ANSI 13 pt)	Greater than 80%	
Weight* (estimate)	~130 lbs (59 kg)	
Lamp life (median)	8,000 hours	
Lamp type	180 watt High Pressure Mercury lamps (x2)	
Line voltage	100–120V, 200 –240V@50/60Hz	
Power consumption	500 watts with both lamps operating	
Serviceability	100% front and rear serviceable	
Rear ventilation required	No rear clearance required	
Colors	16.7 million	
Operating temperature	32–95° F (0 – 35° C)	
Operating humidity	20–80% RH	
Safety regulations	Complies with UL, cUL, FCC Class A, CISPR22/85, CE Designed to meet EN60950	
Data input (standard)	VGA to UXGA (UXGA@60Hz)	
Analog	High definition (720p, 1080i) RGBHV Two 15-pin HD D-sub connectors	
Digital	DVI-D connector Digital output of any selected input (digital loop thru)	
Video input (optional)	Composite video (NTSC/PAL/SECAM) on BNC x 2 with loop through S-Video (NTSC/PAL/SECAM) on Mini DIN 4-pin connector x 2 with loop through	
Ambient noise	43 dB	
Display control	RS-232 and IR remote	
WallNet™	Supported	

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

Clarity Puma UXP (WN-5020-UXP)

Display resolution	1,600 x 1,200 (UXGA)	
Display technology	AP/LCD™ rear projection	
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 44.75" x 30.5" (101.6 cm x 113.67 cm x 77.47 cm)	
Screen type	SCN-5020-GV	SCN-5020-GC
	Wide-view glass	High-contrast glass
On-axis gain	1.0	1.7
Viewing angle ½ gain (H & V)	80° (±40°)	70° (±35°)
Viewing angle 1/5 gain (H & V)	135° (±67.5°)	90° (±45°)
Border (mullion)		
Standard screen	.070" (1.77mm)	.070" (1.77mm)
Screen to screen gap	.020" (0.5mm)	.020" (0.5mm)
Screen brightness (typical)		
With all available lamps	57ftL	96ftL
Contrast ratio (full field)	>1,200:1 typical	
Brightness uniformity (new ANSI 13 pt)	Greater than 80%	
Weight* (estimate)	~130 lbs (59 kg)	
Lamp life (median)	8,000 hours	
Lamp type	180 watt High Pressure Mercury lamps (x2)	
Line voltage	100–120V, 200 –240V@50/60Hz	
Power consumption	500 watts with both lamps operating	
Serviceability	100% front and rear serviceable	
Rear ventilation required	No rear clearance required	
Colors	16.7 million	
Operating temperature	32–95° F (0 – 35° C)	
Operating humidity	20–80% RH	
Safety regulations	Complies with UL, cUL, FCC Class A, CISPR22/85, CE Designed to meet EN60950	
Data input (standard)	VGA to UXGA (UXGA@60Hz)	
Analog	High definition (720p, 1080i) RGBHV Two 15-pin HD D-sub connectors	
Digital	DVI-D connector Digital output of any selected input (digital loop thru)	
Video input (optional)	Composite video (NTSC/PAL/SECAM) on BNC x 2 with loop through S-Video (NTSC/PAL/SECAM) on Mini DIN 4-pin connector x 2 with loop through	
Ambient noise	43 dB	
Display control	RS-232 and IR remote	
WallNet™	Supported	

*Weight and dimensions are approximate. Specifications and design are subject to change without notice.
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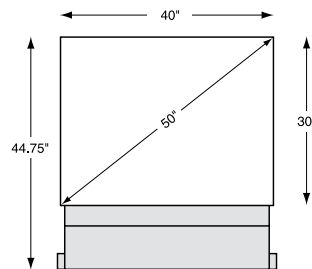
Accessories

Video Input Module (VIM-5020) – Allows input of NTSC, PAL, SECAM, Composite video, and S-Video.

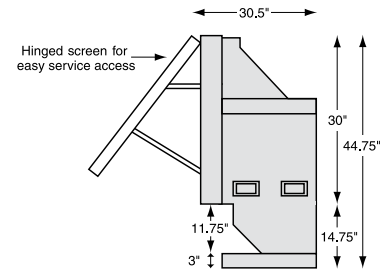
Big Picture™ (BP-5020) – Internal magnification capability to spread a single input over multiple displays.

WallNet™ – Enables diagnostic control and troubleshooting from remote location. One WallNet is required per wall.

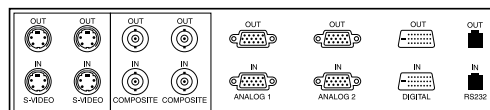
front



side



connection panel





When image experience matters.

For more information

To learn more about the Clarity Puma by Planar Systems, call 503-748-1100
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