



Lion family

Large-scale, high resolution displays
for mission-critical digital walls

Features

- 67" digital display
- Choice of XGA, SXGA or UXGA native resolution
- Excellent contrast ratio
- Rear-projection AP/LCD™ display technology
- Black glass screens
- Multi-lamp optical engine for redundant illumination
- Only 8" rear ventilation clearance required
- Full front serviceability with hinged-screen access
- Stackable

The Clarity Lion is a 67" rear-projection display that is ideally suited for Digital Visual Messaging (DVM) applications in mission-critical command and control, data visualization or entertainment environments. Its state-of-the-art design delivers the highest contrast, best image quality, operational reliability, serviceability and cost-of-ownership available.

Outstanding image quality

The Lion digital display incorporates innovative Advanced Performance Liquid Crystal Display (AP/LCD™) technology, black glass screens, thin mullions, and sophisticated screen-to-screen alignment techniques to produce a near seamless image across even the largest digital wall. It delivers outstanding color and brightness uniformity for maximum impact in a wide range of environmental conditions.

Mission-critical reliability

The optical engine houses multiple long-life lamps to prevent illumination downtime caused by single-lamp failures. This unique design also provides maximum flexibility to optimize the trade off between brightness and cost-of-ownership.

Easy handling and installation

All display components are contained in three pieces that are configured in a compact package for shipping. When the display is assembled, it fits through any standard door and easily installs in space-constrained areas. This unique design facilitates the mechanical and optical set-up process while minimizing shipping costs.

Fast screen access to components

Easy front and rear service panels allow technicians, installers and engineers to access electronics and optics modules from either the front or back in minutes, minimizing downtime for service and maintenance. And it is the only large-screen display that lets you select the resolution – SXGA, XGA or UXGA – that best suits your environment and budget.

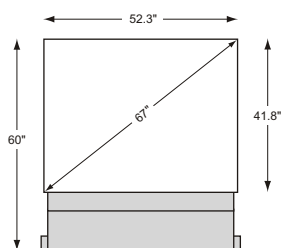


Lion SXP

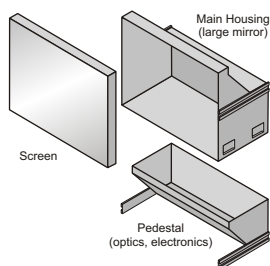
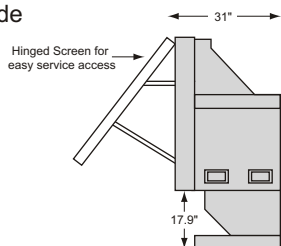
Views: Lion SXP



Front



Side



Lion SXP (WN-6720-SXP)

Display resolution	1'280 x 1'024 (SXGA)	
Aspect ratio (W:H)	5:4	
Screen dimensions*		
Diagonal	170cm (67")	
Width by height	132.8cm x 106.2cm (52.3" x 41.8")	
Cabinet dimensions* (WxHxD)	132.8cm x 152.4cm x 78.7cm (52.3" x 60" x 31")	
	SCN-6720SXP-GV	SCN-6720SXP-GC
Screen type	Wide-View glass	High-Contrast glass
On-axis gain	1.0	1.7
Viewing angle ½ gain	80° (±40°)	70° (±35°)
Viewing angle ¼ gain	135° (±67.5°)	90° (±45°)
Border (mullion)		
Standard screen	1.75mm (.070")	1.75mm (.070")
Reinforced screen ¹	3.5mm (.140")	3.5mm (.140")
Screen to screen gap	0.5mm (.020")	0.5mm (.020")
Screen brightness		
One lamp	20ftL	34ftL
Two lamps	40ftL	68ftL
Quality Viewing Metric (QVM)**		
With two lamps	8'175	21'050
QVM @ 50° viewing angle two lamps	550	240
Contrast ratio (full field)	>1'500:1 typical	
Brightness uniformity (new ANSI 13pt)	Greater than 80%	
Weight*	113.6kg (~250 lbs)	
Lamp life (median)	8'000 hours	
Lamp type	200-watt High Pressure Mercury Discharge Lamps (x2)	
Line voltage	100-120V, 200-240V @ 50/60Hz	
Power consumption		
One lamp	460 watts	
Two lamps	690 watts	
Serviceability	Full access from front or rear	
Rear ventilation required	8"	
Colors	16.7 million	
Operating temperature	0-35° C (32-95° F)	
Operating humidity	20-80% RH	
Safety regulations	Complies with UL, cUL, FCC Class A, CISPR22/85 TUV/GS, CE	
Display technology	AP/LCD rear projection	
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 S-video (NTSC/PAL/SECAM) on Mini DIN 4-pin connector	
Cube control	RS232 and IR remote	

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

**Clarity's Quality Viewing Metric (QVM), is a comprehensive measure of image quality. It combines the effects of brightness, contrast and ambient light to yield a more meaningful metric for evaluating perceived image quality. See our technology notes on image quality at www.clarityvisual.com/technotes.

Options and accessories

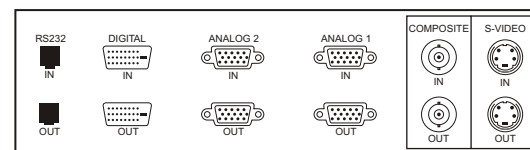
1Reinforced Screen – This special glass screen option is required for flying (overhead) or tilted installations.

Video Input Module (VIM-6720) – Allows input of NTSC, PAL or SECAM composite video.

Clarity Big Picture™ (BP-6720) – Internal magnification capability to spread a single input over multiple displays.

ColorPlus™ – Color enhancement option. Provides additional color performance and saturation in Lion XP.

Connection panel



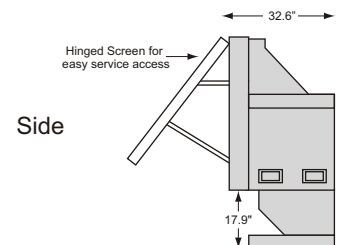
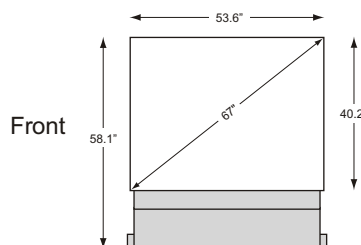
Lion XP and UXP

	Lion XP (WN-6720-XP)		Lion UXP (WN-6720-UXP)	
Display resolution	1'024 x 768 (XGA)		1'600 x 1'200 (UXGA)	
Aspect ratio (W:H)	4:3		4:3	
Screen dimensions*				
Diagonal	170cm (67")		170cm (67")	
Width by height	136.1cm x 102.1cm (53.6" x 40.2")		136.1cm x 102.1cm (53.6" x 40.2")	
Cabinet dimensions* (WxHxD)	136.1cm x 148.3cm x 82.8cm (53.6" x 58.4" x 32.6")		136.1cm x 147.6cm x 82.8cm (53.6" x 58.1" x 32.6")	
	SCN-6720XP-GV	SCN-6720XP-GC	SCN-6720UXP-GV	SCN-6720UXP-GC
Screen type	Wide-View glass	High-Contrast glass	Wide-View glass	High-Contrast glass
On-axis gain	1.0	1.7	1.0	1.7
Viewing angle ½ gain	80° (±40°)	70° (±35°)	80° (±40°)	70° (±35°)
Viewing angle ¼ gain	135° (±67.5°)	90° (±45°)	135° (±67.5°)	90° (±45°)
Border (mullion)				
Standard screen	1.75mm (.070")	1.75mm (.070")	1.75mm (.070")	1.75mm (.070")
Reinforced screen ¹	3.5mm (.140")	3.5mm (.140")	3.5mm (.140")	3.5mm (.140")
Screen to screen gap	0.5mm (.020")	0.5mm (.020")	0.5mm (.020")	0.5mm (.020")
Screen brightness				
One lamp	19ftL	32ftL	16ftL	27ftL
Two lamps	38ftL	64ftL	32ftL	54ftL
Quality Viewing Metric (QVM)**				
With two lamps	7'440	18'940	5'426	14'030
QVM @ 50° viewing angle	1'360	600	1'200	500
Contrast ratio (full field)	>1'200:1 typical		>1'200:1 typical	
Brightness uniformity (new ANSI 13pt)	Greater than 80%		Greater than 80%	
Weight*	113.6kg (~250 lbs)		113.6kg (~250 lbs)	
Lamp life (median)	8'000 hours		8'000 hours	
Lamp type	200-watt High Pressure Mercury Discharge Lamps (x2)		200-watt High Pressure Mercury Discharge Lamps (x2)	
Line voltage	100-120V, 200-240V @ 50/60Hz		100-120V, 200-240V @ 50/60Hz	
Power consumption (max)				
One lamp	460 watts		460watts	
Two lamps	690 watts		690watts	
Serviceability	Full access from front or rear		Full access from front or rear	
Rear ventilation required	8"		8"	
Colors	16.7 million		16.7 million	
Operating temperature	0-35° C (32-95° F)		0-35° C (32-95° F)	
Operating humidity	20-80% RH		20-80% RH	
Safety regulations	Complies with UL, cUL, FCC Class A, CISPR22, CE, designed to meet EN60950		Complies with UL, cUL, FCC Class A, CISPR22, TUV/GS, CE	
Display technology	AP/LCD rear projection		AP/LCD rear projection	
Data input (standard)	VGA to UXGA (UXGA @ 60Hz)		VGA to UXGA (UXGA @ 60Hz)	
Analog	High definition (720p,1080i) RGBHV Two 15-pin HD D-sub connectors		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)		DVI-D connector Digital output of any selected input (digital loop thru)	
Video input (optional)	Composite video (NTSC/PAL/SECAM) on BNC S-video (NTSC/PAL/SECAM) on Mini DIN 4-pin connector		Composite video (NTSC/PAL/SECAM) on BNC S-video (NTSC/PAL/SECAM) on Mini DIN 4-pin connector	
Cube control	RS232 and IR remote		RS232 and IR remote	

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

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Views: Lion XP and UXP



clarity
visual systems

Clarity products are being sold and supported by authorized resellers:

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