

Tigress family

Clear, bright display for digital walls
in business environments

Features

- 52" digital display
- SVGA or XGA native resolution
- Rear-projection DLP™ technology
- Offered with a variety of screen material and technologies
- ColorEdge™ color balancing
- Easy access to components for service and maintenance
- Clarity's patented Stairstep Interlock Mounting Package for safety and security

The Clarity Tigress S (WN-5230A-S) and Tigress X (WN-5230A-X) are 52" rear-projection displays designed for digital wall applications in business and consumer messaging environments. Based on the popular Digital Light Processing™ (DLP™) technology from Texas Instruments®, the Tigress displays deliver clear advantages over CRT-based display systems.

Clear, bright image

The Tigress digital displays combine DLP technology, state of the art screen technologies, thin mullions, and sophisticated screen-to-screen alignment techniques to produce a near seamless image across any configuration. Then, Clarity ColorEdge™ technology provides precision color matching between each cube. ColorEdge combines with the bright, life-like colors of DLP for a digital wall that clearly communicates detailed information in data-sensitive environments. Tigress delivers outstanding color and brightness uniformity for maximum impact and is available in both SVGA (800 x 600) and XGA (1024 x 768) resolutions.

Designed for corporate use

Tigress displays can be stacked in both horizontal and vertical configurations to create digital walls that fit the viewing conditions of control rooms, financial exchanges, trading floors and other information-driven environments. Durable construction and a patented Stairstep Interlock Mounting Package allow Tigress displays to be positioned securely and safely with ease.

Easily serviced and maintained

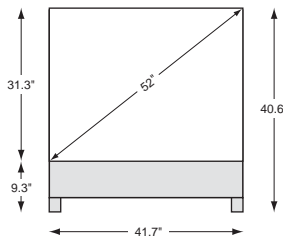
Once in place, the front and rear access panels provide easy access to electronics and optics modules. Simple replacement of components ensures systems can be quickly serviced and back to full operation within minutes.

Tigress

Views



Front



Side



Options and accessories

1Screen Options—Tigress must be ordered with one of the three screen options listed.

2Reinforced Screen—This special glass screen option is required for flying (overhead) or tilted installations.

Video Input Module (VIM-5230)—Allows input of NTSC, PAL or SECAM video in composite or S-video format, and standard definition RGB video.

Clarity Big Picture™ (BP-5230)—Internal magnification capability to spread a single input over multiple displays.

Base Unit (BAS-5200)—Provides foundation support for stacking two or more displays.

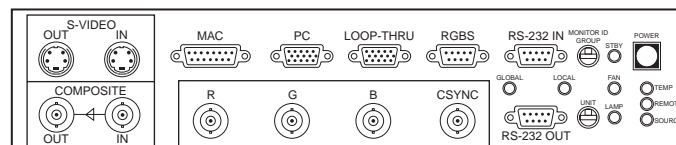
Tigress S (WN-5230A-S)

Display resolution	800 x 600 (SVGA)		
Screen dimensions*			
Diagonal	52" (132 cm)		
Width by height	41.7" x 31.3" (105.9 cm x 79.5 cm)		
Cabinet dimensions* (WxHxD)	41.7" x 40.6" x 28.9" (105.9 cm x 103.1 cm x 73.4 cm)		
Screen type¹	SCN-5230-GV	SCN-5230-GC	SCN-5230-AG
Wide-View glass	High-Contrast glass	High-Gain acrylic	
On-axis gain	1.0	1.7	4.0
Viewing angle ½ gain (H)	80 (±40)	70 (±35)	46 (±23)
(V)			16 (±8)
Viewing angle ¼ gain (H)	135 (±67.5)	90 (±45)	84 (±42)
(V)			30 (±15)
Border (mullion)			
Standard screen	.070" (1.75mm)	.070" (1.75mm)	.020" (0.5mm)
Reinforced screen ²	.140" (3.5mm)	.140" (3.5mm)	N/A
Screen to screen gap	.000" (0.0mm)	.000" (0.0mm)	.000" (0.0mm)
Screen brightness	40ftL	68ftL	177ftL
Quality Viewing Metric (QVM)**	5,800	13,000	13,000
QVM @ 50° viewing angle	1,700	800	400
Contrast ratio (full field)	>350:1		
Brightness uniformity (ANSI 13 pt)	Greater than 80%		
Weight*	~120 lbs. (54.5 kg)		
Lamp life (median)	6,000 hours		
Lamp type	UHP 120 watt		
Line voltage	100–120V, 200–240V@50/60Hz		
Power consumption	220 watts		
Serviceability	Front and rear access		
Rear ventilation required	6" (min.)		
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		
Display technology	Single-chip DLP rear-projection		
Data input	VGA to SVGA		
Analog	15-pin HD D-sub connector 9-pin D-sub connector		
Video input (optional)	Composite video (NTSC/PAL/SECAM) on BNC S-video (NTSC/PAL) on Mini DIN 4-pin connector Standard definition RGBs on BNCs		
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.

Connection panel



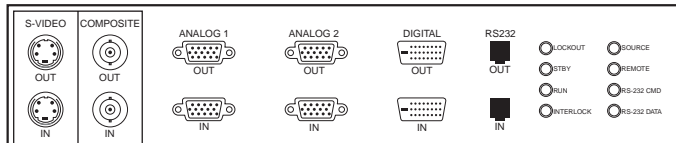
Tigress X (WN-5230A-X)

Display resolution	1,024 x 768 (XGA)		
Screen dimensions*			
Diagonal	52" (132 cm)		
Width by height	41.7" x 31.3" (105.9 cm x 79.5 cm)		
Cabinet dimensions* (WxHxD)	41.7" x 40.6" x 28.9" (105.9 cm x 103.1 cm x 73.4 cm)		
Screen type¹	SCN-5230-GV	SCN-5230-GC	SCN-5230-AG
	Wide-View glass	High-Contrast glass	High-Gain acrylic
On-axis gain	1.0	1.7	4.0
Viewing angle ½ gain (H)	80 (±40)	70 (±35)	46 (±23)
(V)			16 (±8)
Viewing angle ¼ gain (H)	135 (±67.5)	90 (±45)	84 (±42)
(V)			30 (±15)
Border (mullion)			
Standard screen	.070" (1.75mm)	.070" (1.75mm)	.020" (0.5mm)
Reinforced screen ²	.140" (3.5mm)	.140" (3.5mm)	N/A
Screen to screen gap	.000" (0.0mm)	.000" (0.0mm)	.000" (0.0mm)
Screen brightness	35ftL	60ftL	163ftL
Quality Viewing Metric (QVM)**	4,700	10,600	11,300
QVM @ 50° viewing angle	1,400	600	300
Contrast ratio (full field)	>350:1		
Brightness uniformity (ANSI 13 pt)	Greater than 80%		
Weight*	~120 lbs. (54.5 kg)		
Lamp life (median)	6,000 hours		
Lamp type	UHP 120 watt		
Line voltage	100–120V, 200–240V@50/60Hz		
Power consumption	220 watts		
Serviceability	Requires rear access		
Rear ventilation required	6" (min.)		
Colors	16.7 million		
Operating temperature	32–95° F (0–30° C)		
Operating humidity	20–80% RH		
Safety regulations	Complies with UL, cUL, FCC Class A CISPR22/85, CE Designed to meet EN60950		
Display technology	Single-chip DLP rear-projection		
Data input (standard)	VGA to UXGA (UXGA@60Hz) Two 15-pin HD D-sub connectors 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) on Mini DIN 4-pin connector High definition (720p, 1080i) RGBHV on 15-pin HD D-sub connectors		
Cube control	RS232 and IR remote		

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





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