

# Wildcat family

Versatile, high quality displays  
for any environment

## Features

- 40" digital display
- SVGA native resolution
- Up to UXGA input (Wildcat SE)
- Excellent contrast ratio (1,500:1)
- Rear-projection AP/LCD™ display technology
- Enhanced Big Picture™ processing option (Wildcat SE)
- 16" depth with internally routed venting and cabling systems
- Front and rear service access

The Clarity Wildcat family (WN-4030-S and WN-4030-SE) of 40" rear-projection displays is designed for Digital Visual Messaging (DVM) applications in a wide variety of environments including command and control, public venue, transportation centers, corporate facilities and retail stores. Its versatile design delivers the highest contrast and best combination of image quality, efficient installation and ease of serviceability for DVM applications.

## Superior image quality

Wildcat digital displays incorporate innovative Advanced Performance Liquid Crystal Display (AP/LCD™) technology, sophisticated screen technologies, and thin mullions to produce a near seamless image across any configuration. The outstanding color uniformity, brightness uniformity and digital loop-through capabilities ensure Wildcat stands out – delivering your visual messages with maximum impact in a wide range of environmental conditions.

## Highly versatile and efficient

The two Wildcat models use the same native SVGA (800 X 600) optical engine, but the Wildcat SE adds advanced signal processing electronics for greater input flexibility and high resolution image scaling. This enhancement lets Wildcat SE accept inputs up to XGA (1024 X 768) resolution for stand-alone applications and up to UXGA (1600 X 1200) resolution using Clarity Big Picture™ processing for wall applications.

Wildcat displays can be stacked in multiple horizontal or vertical configurations to create effective displays that can be controlled or updated instantaneously from anywhere. The slim profile combines with internally routed venting and cabling systems to minimize the space requirements and enable the displays to mount flush to any wall or solid surface.

## Easy installation and service

Lightweight, rugged construction and a patented Stairstep Interlock Mounting Package allow Wildcat displays to be positioned and securely interlocked with ease and speed. Once in place, both front and rear service panels provide easy access to electronics and optics modules in minutes – minimizing downtime for service and maintenance.

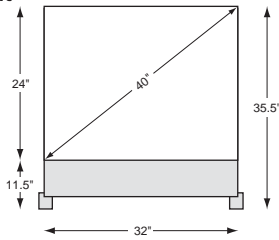
**clarity**<sup>®</sup>  
visual systems

# Wildcat

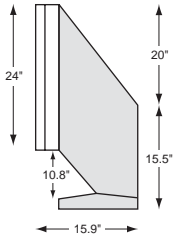
## Views



## Front



## Side



## Wildcat S (WN-4030-S) specifications

<b>Display resolution</b>	800 x 600 (SVGA)		
<b>Screen dimensions*</b>			
Diagonal	40" (102 cm)		
Width by height	32" x 24" (81.3 cm x 61 cm)		
<b>Cabinet dimensions* (WxHxD)</b>	32" x 35.5" x 15.9" (81.3 cm x 90.2 cm x 40.4 cm)		
<b>Screen type<sup>†</sup></b>	<b>SCN-4030S-GV</b>	<b>SCN-4030S-GC</b>	<b>SCN-4030S-AG</b>
<b>Wide-View glass</b>	<b>Wide-View glass</b>	<b>High-Contrast glass</b>	<b>High-Gain acrylic</b>
On-axis gain	1.0	1.7	4
Viewing angle ½ gain (H)	80° (±40°)	70° (±35°)	46° (±23°)
(V)			16° (±8°)
Viewing angle ½ gain (H)	135° (±67.5°)	90° (±45°)	84° (±42°)
(V)			30° (±15°)
<b>Border (mullion)</b>	.070" (1.75mm)	.070" (1.75mm)	.020" (0.5mm)
Screen to screen gap	.020" (0.5mm)	.020" (0.5mm)	.040" (1.0mm)
<b>Screen brightness</b>	25ftL	42ftL	110ftL
<b>Quality Viewing Metric (QVM)**</b>	3,500	9,500	6,300
QVM @ 50° viewing angle	900	400	200
<b>Contrast ratio (full field)</b>	>1,500:1 typical		
<b>Brightness uniformity (ANSI 13 pt)</b>	Greater than 80%		
<b>Weight*</b>	65 lbs. (29.5 kg)		
<b>Lamp life (median)</b>	8,000 hours		
<b>Lamp type</b>	UHP 100 watt		
<b>Line voltage</b>	100–120V, 200–240V@50/60Hz		
<b>Power consumption</b>	160 watts		
<b>Serviceability</b>	Front/rear access		
<b>Rear ventilation required</b>	0" (wall mountable)		
<b>Colors</b>	16.7 million		
<b>Operating temperature</b>	32–95° F (0–35° C)		
<b>Operating humidity</b>	20–80% RH		
<b>Safety regulations</b>	Complies with UL, cUL, FCC Class A, CISPR22/85, TUV/GS, CE		
<b>Display technology</b>	AP/LCD rear projection		
<b>Data input (standard)</b>	VGA to SVGA		
Analog	15-pin HD D-sub connector; 9-pin D-sub connector		
Digital	DVI-D connector		
	Digital output of any selected input (digital loop thru)		
<b>Video input (optional)</b>	Composite video (NTSC/PAL/SECAM) on BNC S-video (NTSC/PAL) on Mini DIN 4-pin connector Standard definition RGBS on D-sub connectors		
<b>Cube control</b>	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](http://www.clarityvisual.com/technotes).

## Options and accessories

**Screen Options**—All Wildcats must be ordered with one of the three screen options listed.

### Video Input Module (VIM-4000, VIM-4000SE)

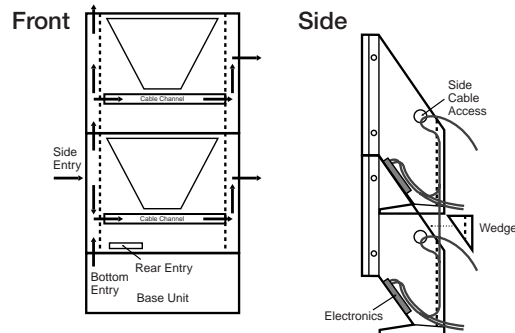
Allows input of NTSC, PAL and SECAM video in composite or S-video format, and standard definition RGB video.

### Clarity Big Picture™ (BP-4000, BP-4000SE)

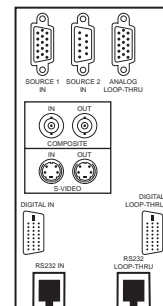
Internal magnification capability to spread a single input over multiple displays.

**Base Unit (BAS-4000)**—Provides foundation support for stacking two or more displays.

## Cabling



## Wildcat S Connection Panel



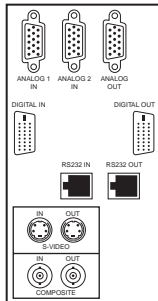
## Wildcat SE (WN-4030-SE) specifications

<b>Display resolution</b>	800 x 600 (SVGA)		
<b>Screen dimensions*</b>			
Diagonal	40" (102 cm)		
Width by height	32" x 24" (81.3 cm x 61 cm)		
<b>Cabinet dimensions* (WxHxD)</b>	32" x 35.5" x 15.9" (81.3 cm x 90.2 cm x 40.4 cm)		
<b>Screen type</b>	<b>SCN-4030S-GV</b>	<b>SCN-4030S-GC</b>	<b>SCN-4030S-AG</b>
	<b>Wide-View glass</b>	<b>High-Contrast glass</b>	<b>High-Gain acrylic</b>
On-axis gain	1.0	1.7	4
Viewing angle ½ gain (H)	80° (±40°)	70° (±35°)	46° (±23°)
(V)			16° (±8°)
Viewing angle ⅓ gain (H)	135° (±67.5°)	90° (±45°)	84° (±42°)
(V)			30° (±15°)
<b>Border (mullion)</b>	.070" (1.75mm)	.070" (1.75mm)	.020" (0.5mm)
Screen to screen gap	.020" (0.5mm)	.020" (0.5mm)	.040" (1.0mm)
<b>Screen brightness</b>	25ftL	42ftL	110ftL
<b>Quality Viewing Metric (QVM)**</b>	3,500	9,500	6,300
QVM @ 50° viewing angle	900	400	200
<b>Contrast ratio (full field)</b>	>1,500:1 typical		
<b>Brightness uniformity (ANSI 13 pt)</b>	Greater than 80%		
<b>Weight*</b>	65 lbs. (29.5 kg)		
<b>Lamp life (median)</b>	8,000 hours		
<b>Lamp type</b>	UHP 100 watt		
<b>Line voltage</b>	100–120V, 200–240V@50/60Hz		
<b>Power consumption</b>	160 watts		
<b>Serviceability</b>	Front/rear access		
<b>Rear ventilation required</b>	0" (wall mountable)		
<b>Colors</b>	16.7 million		
<b>Operating temperature</b>	32–95° F (0–35° C)		
<b>Operating humidity</b>	20–80% RH		
<b>Safety regulations</b>	Complies with UL, cUL, FCC Class A, CISPR22/85, TUV/GS, CE		
<b>Display technology</b>	AP/LCD rear projection		
<b>Data input (standard)</b>	VGA to UXGA (UXGA @ 60Hz)		
Analog	Two 15-pin HD D-sub connectors		
Digital	DVI-D connector		
	Digital output of any selected input (digital loop thru)		
<b>Video input</b>			
High definition (standard)	720p, 1080i RGBHV on 15-pin HD D-sub connectors		
Composite (optional)	NTSC, PAL, SECAM on BNC		
S-video (optional)	NTSC, PAL on Mini DIN 4-pin connector		
<b>Cube control</b>	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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## Wildcat SE Connection Panel





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