

## 7.7 Specifications for Margay

<b>Mechanical</b>				
<b>Specification</b>	<b>Maximum</b>	<b>Minimum</b>	<b>Typical</b>	<b>Notes</b>
Outside dimensions				
Width			43.6"	1107.4 mm
Height			32.5"	825.5 mm
Depth			17.5"	444.5 mm
Weight			68 lbs	30.8 kg
Shipping weight			~85-90 lbs	~38-41 kg
Stacking				
Horizontal				unlimited
Vertical	4			>10 with support
Orientation	15°			Tilt on any axis; inverted tilt, same
Chassis color			Black	
Ventilation, rear clearance required		0"		0 mm Large walls must maintain adequate air exchange.
Screen size (front face)				
Diagonal	50"			1270 mm
Width	43.5"			1105 mm
Height	24.5"			622 mm
Mullion	< 1 mm			< 0.04"
Serviceable from ...				front or rear, completely
Controls				RS232, RS485, remote IR control
WallNet™ ready?				Yes

<b>Electrical and Heat</b>				
<b>Specification</b>	<b>Maximum</b>	<b>Minimum</b>	<b>Typical</b>	<b>Notes</b>
Video input amplitude				
Separate RGB analog	1.4 V p-p	0.35 V p-p	0.7 V p-p	75 ohm termination
Composite analog	5.0 V p-p		0.3 V p-p	75 ohm termination
TTL H and V sync	5.0 V	2.5 V	3.5 V	TTL at 330 ohm termination
In / Out connectors				
Analog Source1 in and loop out				15-pin D-sub female
Analog Source 2 in and loop out				
Standards accepted				See "Analog Modes" on page 124."
DVI				Digital Source, DVI transmission std, in and loop out DVI out carries any selected input
Optional video module (VIM)				
Composite video				RCA connectors, in and loop out
S-video				4-pin DIN connectors, in and loop out
Component YPbPr				3 RCA connectors, in and loop out

## Electrical and Heat

Specification	Maximum	Minimum	Typical	Notes
Video standards for VIM				NTSC PAL SECAM HD 480p to 1080i Component YPbPr
RS232 in RS485 in and loop out				RJ45 connectors
Frequency				
Dot clock			165 MHz	
Horizontal frequency	120 Hz	56 Hz		
Vertical frequency	91.1 kHz	31.47 kHz		
Sync lock				Will not lose sync lock with signal inputs within stated frequency range
Maximum input DC offset	±2V			
AC requirements				
Line voltage				
115 V range	132V	90V		45–65 Hz auto-ranging, power factor corrected
230 V range	254V	200V		
Line current				
115 V	2.0A		1.5A	
230 V	1.2A		1.0A	
Heat, BTUs per hour			550 BTU	
Power consumption			160W	

## Optical

Specification	Maximum	Minimum	Typical	Notes
Viewable screen size				
Diagonal			50"	1321 mm
Width			32.5"	826 mm
Height			17.5"	445 mm
Image position	+ ½ pixel	-½ pixel	0 pixel	
Rotation	- ½ pixel	+ ½ pixel	0 pixel	
Pincushion/Barrel	-2.5 pixel	+2.5 pixel	1.5 pixel	After calibration on site
Keystoning	-½ pixel	+ ½ pixel	0 pixel	
Focus/Aberration				No objectionable defocusing or chromatic aberration at 1.5 screen diagonals by a 20/20 vision viewer
Screen				
High Contrast Acrylic				
Gain			1.5	
Brightness, ANSI white			70 fL	white boost off
			95 fL	white boost on
Viewing angle				

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**Optical**

<b>Specification</b>	<b>Maximum</b>	<b>Minimum</b>	<b>Typical</b>	<b>Notes</b>
Horizontal			±45°	at ½ gain
Vertical			±45°	at ½ gain
Resolution				
Horizontal				1280 pixels
Vertical				720 pixels
Contrast ratio			1500:1	dark room
Viewing angle				
Horizontal half-gain			±45°	
Vertical half-gain			±45°	
Vertical				
Lamp life			6000 hours	Median life: at least 50% still operational after 6000 hours
Stuck pixels	2			2 stuck dark; 0 stuck bright
Screen lamination	1/16"			<1.6 mm delamination at edges

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**Environmental**

<b>Specification</b>	<b>Maximum</b>	<b>Minimum</b>	<b>Typical</b>	<b>Notes</b>
Temperature operating	40° C	0° C	40–0° C	All performance specifications are maintained within this temperature range
non-operating	70° C	–20° C		
Altitude (barometric pressure)	10,000 ft			254 m, above sea level, or equivalent barometric pressure
Humidity	80% R.H.	20% R.H.		40° C non-condensing