

# B Specifications for Bay Cat X

## Mechanical

Specification	Maximum	Minimum	Typical	Notes
Outside dimensions				
Width	44.0"			111.8 cm
Height	26.1"			66.3 cm
Depth	3.96"			9.9cm
Weight	73 lbs.			33 kg
Shipping weight	105 lbs			47.7 kg
Orientation				Landscape or portrait
Chassis color				Standard: dark gray Optional: red, blue, silver, white, beige or custom color
Ventilation requirement (rear)	0"			Wall mountable
Screen dimensions				Aspect ratio 1.77 (16:9)
Diagonal	46.0"			116.8 cm
Width	40.1"			101.9 cm
Height	22.6"			57.4 cm
Pixel pitch				0.648 x 0.648 mm

## Electrical and Heat

Specification	Maximum	Minimum	Typical	Notes
Video input amplitude				
Separate RGB analog	1.0 V p-p	0.5 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
Input connectors				
DVI-D				Digital
15-pin HD D-sub				
RCA				Composite video: NTSC, PAL, SECAM
Mini nDIN 4-pin				S-Video: NTSC, PAL
RJ45				RS232 In, RS 232 Out
AC requirements				
Line voltage	115 V range	100 V		50-60 Hz auto-ranging, power factor corrected
	230 V range	200 V		
Power			240 W	
<b>Current</b>	<b>115 V</b>		3.0 A	
	230 V		1.5 A	
Heat, BTUs per hour			820	

<b>Optical</b>				
<b>Specification</b>	<b>Maximum</b>	<b>Minimum</b>	<b>Typical</b>	<b>Notes</b>
Screen Brightness			450 nits	without front protective glass
Contrast ratio			900:1	
Viewing Angle, horizontal & vertical			±85° 170° total	at 10:1 contrast ratio
Color Gamut			72% NTSC	
Color CIE				
Red x			0.638	±0.03
Red y			0.331	
Green x			0.282	
Green y			0.595	
Blue x			0.144	
Blue y			0.060	
White x			0.280	
White y			0.290	
Response time	20msec		16msec	@ 25°C, 10 ms t <sub>rise</sub> + 6 ms t <sub>fall</sub>
Number of colors			16 M	
Resolution				1920 × 1080 pixels
Lamp life, hours			60,000	to ½ brightness

<b>Environmental</b>				
<b>Specification</b>	<b>Maximum</b>	<b>Minimum</b>	<b>Typical</b>	<b>Notes</b>
Temperature, operating	30° C 86° F	0° C 32° F	25°C	All performance specifications are maintained within this temperature range See "Optimizing Your Clarity Display" on page 116.
non-operating	60° C 140° F	-20° C -4° F		
Altitude (barometric pressure)	15,000 ft			
Humidity	80% R.H.	20% R.H.		non condensing