

## Accessories and Lenses

<b>Supplied Accessories</b>	Remote control, power cable, computer cable, USB cable, interactive pens x 2, pen tips x 2, AA batteries x 4, user manual (concise), StarBoard software application DVD, adapter cover, security label, HDMI cable holder x 2, cable ties x 4, hook metal, screw, Ferrite core
<b>Optional Accessories</b>	HAS-WM06 wall mount (Supports display size 70" - 110"), USBWL5G wireless adapter, FT02M finger touch unit
<b>Optional Lenses</b>	N/A
<b>Replacement Parts</b>	
<b>Lamp</b>	Lamp free
<b>Remote Control</b>	HL03037
<b>Filter</b>	UX43251

## Projection Throw Chart (In inches)

Screen Size 16:10		
Diagonal	Distance from edge of projector to screen	Distance from center of mirror to screen
60	3.1	16.3
70	5.9	19
80	8.6	21.8
90	11.4	24.5
100	14.1	27.3
130	22.4	35.5

Throw Ratio: (distance : width)  
 0.1 : 1 from edge of projector  
 0.3 : 1 from center of mirror

## Specifications

Display	<b>Projection Technology</b>	3 LCD, 3 chip technology
	<b>Resolution</b>	WXGA 1280 x 800
	<b>Brightness</b>	3,300 ANSI lumens
	<b>Colors</b>	16.7 million colors
	<b>Aspect Ratio</b>	Native 16:10, 4:3, 16:9, 14:9 and zoom compatible
	<b>Contrast Ratio</b>	500,000 : 1 (Dynamic Black on)
Operation	<b>Throw Ratio</b> (distance : width)	0.3 : 1 (From center of mirror to screen)
	<b>Focus Distance</b>	16" - 35" (From center of mirror to screen)
	<b>Display Size</b>	60" - 130" or 60" - 110" using interactive feature
	<b>Lens</b>	f = 4.21 mm, Digital zoom x 1.35, powered focus
	<b>Expected Light Source Life*</b>	Approx. 20,000 hours (Normal and Whisper mode), 30,000 hours (Long life 1 mode), 50,000 hours (Long life 2 mode)
	<b>Expected Filter Life**</b>	Approx. 20,000 hours
Compatibility	<b>Speaker Output</b>	16W
	<b>Keystone</b>	H and V +/- 5°
	<b>Computer</b>	VGA, SVGA, XGA, WXGA, SXGA, WXGA+, WSXGA+, UXGA, WUXGA, Mac 16"
	<b>H-Sync</b>	15 kHz - 106 kHz
	<b>V-Sync</b>	50 Hz - 120 Hz
	<b>Composite Video</b>	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
Connectors	<b>Component Video</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
	<b>HDMI</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p Computer signal TMDS clock 25 MHz - 162 MHz
	<b>MHL</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p Computer signal TMDS clock 25 MHz - 75 MHz
	<b>Digital Input</b>	HDMI x 1, HDMI/MHL x 1 (HDCP compliant)
	<b>Computer Input 1</b>	15-pin mini D-sub x 1
	<b>Computer Input 2</b>	15-pin mini D-sub x 1
Ratings & Warranty	<b>Computer Monitor Output</b>	15-pin mini D-sub x 1 (shared with Computer In 2)
	<b>Video Input</b>	
	<b>Composite Video</b>	RCA jack x 1
	<b>Component Video</b>	15-pin mini D-sub x 2 (shared with analog computer in 1/2)
	<b>Audio Input</b>	3.5 mm stereo mini jack x 1, RCA jack (L/R) x 1
	<b>Audio Output</b>	3.5 mm stereo mini jack x 1
Connectors	<b>Network LAN Wired</b>	RJ-45 port (10 base-T / 100 base-TX)
	<b>Network LAN Wireless</b>	USB-A, IEEE802.11 a/b/g/n/ac - optional wireless adapter required
	<b>USB</b>	Type A x 2 (PC-less presentation, wireless adapter) Type B x 1 (Interactive, USB Display, USB Mouse)
	<b>Control Terminals</b>	9-pin D-sub x1 (RS-232 control)
	<b>Power Supply</b>	AC100-120V / AC220-240V, 50/60Hz
	<b>Power Consumption</b>	270W
Ratings & Warranty	<b>Operating Temperature</b>	32° - 104° (0°C - 40°C) under 5,250 ft. 32° - 95° (0°C - 35°C) 5,250 ft. - 10,000 ft.
	<b>Dimensions (W x D x H)</b>	19.9" x 16.7" x 5.5"
	<b>Weight</b>	Approximately 17 lbs.
	<b>Approvals</b>	UL 60950-1 / cUL, FCC part 15 subpart B Class B
	<b>Warranty</b>	5-year or 20,000 hours (whichever occurs first) limited warranty

\* Actual light source life will vary by individual light source based on environmental conditions, selected operating mode, user settings and usage. Hours of average light source life specified are not guaranteed and do not constitute part of the product or light source warranty. Light source brightness decreases over time.

\*\* Actual filter life will vary by individual filter based on environmental conditions, selected operating mode, user settings and usage. Hours of expected filter life specified are not guaranteed and do not constitute part of the product warranty.



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