



Accessories and Lenses	
<b>Supplied Accessories</b>	Remote control, power cord, RS232C cable (cross, male to male), user's manual, application CD
<b>Optional Accessories</b>	MS-1 wired and MS-1WL wireless multifunction switchers (switchers have limited function with this projector model)
<b>Optional Lenses</b>	6 optional lenses are available: FL-K01, FL-K02, SL-K03, ML-K04, LL-K05, UL-K06.
Replacement Parts	
<b>Lamp</b>	DT01591D
<b>Remote Control</b>	HL03051
<b>Filter</b>	MU08321 (for front), MU08331 (for rear)

### Projection Throw Chart

Screen Size	16:10		Throw Distance	
	Diagonal	Width	Min	Max
100	85	159	217	
120	102	190	260	
150	127	238	325	
200	170	317	434	
250	212	397	542	
300	254	476	651	
350	297	555	759	
400	339	635	868	

Throw Ratio: 1.87 - 2.56 : 1 (distance : width)  
Screen size and throw distance are measured in inches with standard lens MLK04.

### Projection Lens Chart

Lens	Inches	Meters
<b>FL-K01</b>	113	2.9
<b>FL-K02</b>	190	4.8
<b>ML-K03</b>	235 - 317	6.0 - 8.1
<b>ML-K04</b>	317 - 434	8.1 - 11.0
<b>LL-K05</b>	434 - 706	11.0 - 17.9
<b>UL-K06</b>	706 - 1180	17.9 - 30.0

Projection distances measured in inches and meters with standard lens and optional lenses when projecting onto a 200" diagonal screen.

### Lens Shift

	FL-K01	FL-K02	SL-K03	ML-K04	LL-K05	LL-K06
Left	N/A	-10 ~ +10	-10 ~ +10	-10 ~ +10	-10 ~ +10	-10 ~ +10
Right	N/A	+10 ~ -10	+10 ~ -10	+10 ~ -10	+10 ~ -10	+10 ~ -10
Up	N/A	+5 ~ -5	+5 ~ -5	+5 ~ -5	+5 ~ -5	+5 ~ -5
Down	N/A	-5 ~ +5	-5 ~ +5	-5 ~ +5	-5 ~ +5	-5 ~ +5

Specifications		
Display	<b>Projection Technology</b>	Three chip DLP
	<b>Resolution</b>	WUXGA 1920 x 1200
	<b>Light Output</b>	13,000 ANSI lumens
	<b>Colors</b>	1.07 billion colors
	<b>Aspect Ratio</b>	Native 16:10; 16:9, 4:3, 5:4, 1.88, 2.35, letter box, unscaled compatible
	<b>Contrast Ratio</b>	2000 : 1
	<b>Throw Ratio</b> (distance : width)	1.87 - 2.56 : 1 (with ML-K04 lens, sold separately)
Lens & Operation	<b>Focus Distance</b>	159" - 868" (with ML-K04 lens, sold separately)
	<b>Display Size</b>	100" - 400" (with ML-K04 lens, sold separately)
	<b>Lens</b>	F = 2.5, f = 39.0 - 53.4 mm (with ML-K04 lens, sold separately)
	<b>Lamp Wattage</b>	465W x 2
	<b>Expected Lamp Life*</b>	Approximately 2,000 hours (standard mode) 2,500 hours (Eco mode)
	<b>Expected Filter Life**</b>	Approximately 10,000 hours
	<b>Speaker Output</b>	N/A
Compatibility	<b>Keystone</b>	H: +/- 35° and V: +/- 20° (Note: Input signal is WUXGA @ 50Hz, Zoom position is Wide max. Does not work with DVI-D input.)
	<b>Computer</b>	VGA, SVGA, XGA, WXGA/WXGA+/SXGA/SXGA+/WSXGA+/UXGA/WUXGA (compressed), MAC 16"
	<b>H-Sync</b>	15.7 kHz ~ 91 kHz
	<b>V-Sync</b>	48 Hz ~ 85 Hz
	<b>Component Video</b>	480i, 480p, 576i, 720p, 1080i, 1080p
	<b>3D (DVI)</b>	1920 x 1080@120Hz, 1920 x 1080@100Hz, 1920 x 1080@60Hz, 1920 x 1200@120Hz, 1920 x 1200@100Hz, 1920 x 1080@60Hz
	<b>HDMI</b>	480i, 480p, 576i, 720p, 1080i, 1080p, Computer signal TMDS Clock 27 MHz - 150 MHz
Connectors	<b>3G SDI</b>	NTSC, PAL, 1035i, 1080i, 1080p, 720p, 1080sf
	<b>Digital Input</b>	HDMI x 2 (HDCP compliant), Stereo DVI x 1, SDI/HDS/3G BNC x 1
	<b>Computer Input 1</b>	15-pin mini D-sub x 1
	<b>Computer Input 2</b>	BNC x 5 (shared with component 2)
	<b>Digital Output</b>	SDI/HDS/3G BNC x 1
	<b>Video Input</b>	
	S-Video	N/A
	Composite Video	N/A
	Component Video	5BNC x 1 (shared with computer in 2), 3 RCA jack x 1, 15-pin mini D-sub x 1 (shared with computer in 1)
	<b>Audio Input</b>	N/A
	<b>Audio Output</b>	N/A
	<b>Network LAN Wired</b>	RJ-45 port (10 base-T / 100 base-TX)
	<b>Network LAN Wireless</b>	N/A
<b>USB</b>	N/A	
<b>Wired Remote Control</b>	3.5 mm stereo mini jack (Terminal for external IR receiver)	
<b>Control Terminals</b>	9-pin D-sub x 1 (RS-232 control), 3.5 mm mini jack x 2 (12V Trigger 1/2)	
Ratings & Warranty	<b>Power Supply</b>	AC100-130V / AC200-240V, 50/60Hz
	<b>Power Consumption</b>	1230W @110VAC/11.2A, 1250W @220VAC/5.3A
	<b>Operating Temperature</b>	32°F - 104°F (0°C - 40°C)
	<b>Dimensions (W x D x H)</b>	19.7" x 24.9" x 10.6" (500 x 633 x 270 mm) (excluding protruding parts)
	<b>Weight</b>	Approximately 74.97 lbs. (34 kg) (without lens)
	<b>Approvals</b>	UL60950-1/cUL, FCC Part 15 subpart B class A
<b>Warranty</b>	3 year limited parts and labor Extended Service Contract available (additional cost)	

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

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

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