



## Model Name MS524 Digital Projector

### Unique Selling Point

- \* SmartEco Power Saving technology
- \* Up to 10,000 hours Long lamp life
- \* <0.5W standby mode
- \* Blu-ray Full HD 3D support

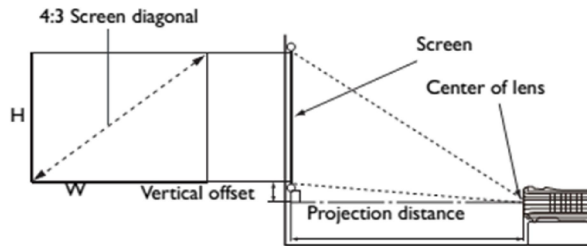
### Trade Mark



<b>Projection System</b>	DLP	
<b>Native Resolution</b>	SVGA (800 x 600)	
<b>Brightness</b>	3200AL	
<b>Contrast Ratio</b>	13000:1	
<b>Display Color</b>	1.07 Billion Colors	
<b>Lens</b>	F=2.56-2.8, f=21-23.1 mm	
<b>Aspect Ratio</b>	Native 4:3 (5 aspect ratio selectable)	
<b>Throw Ratio</b>	1.86-2.04 (53"@2m)	
<b>Image Size (Diagonal)</b>	36"~300"	
<b>Zoom Ratio</b>	1.1:1	
<b>Lamp Type</b>	190W	
<b>Lamp Mode (Normal/Eco/SmartEco/LampSave)*</b>	4500/6000/6500/10000 hours	
<b>Keystone Adjustment</b>	1D, Vertical +/- 40 degrees	
<b>Projection Offset</b>	120% ±5%	
<b>Resolution Support</b>	VGA(640 x 480) to UXGA(1600 x 1200)	
<b>Horizontal Frequency</b>	15~102KHz	
<b>Vertical Scan Rate</b>	23~120Hz	
<b>Compatibility</b>	HDTV Compatibility 480i, 480p, 576i, 576p, 720p, 1080i, 1080p Video Compatibility NTSC, PAL, SECAM 3D Compatibility Frame Sequential: Up to 720p (Please refer to User's Manual for detailed support timing.) Frame Packing: Up to 1080p Side by Side: Up to 1080i/p Top Bottom: Up to 1080p	
<b>Interface</b>	Computer in (D-sub 15pin) x 2 (Share with component) Monitor out (D-sub 15pin) x 1 Composite Video in (RCA) x 1 S-Video in (Mini DIN 4pin) x 1 HDMI x 1 Audio in (Mini Jack) x 1 Audio out (Mini Jack) x 1 Speaker 2W x 1 USB (Type mini B) x 1 RS232 (DB-9pin) x 1 IR Receiver x1 (Front)	
<b>Dimensions</b>	Dimensions(W x H x D) 283 x 95 x 222 mm (with feet) 283 x 88.7 x 222 mm (without feet) Weight 1.9kg	
<b>Power</b>	Power Supply AC100 to 240 V, 50 to 60 Hz Power Consumption Normal 270W, Eco 220W, Standby<0.5W	
<b>Audible Noise</b>	33/28 dBA (Normal/Economic mode)	
<b>On-Screen Display Languages</b>	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)	
<b>Picture Modes</b>	Dynamic/Presentation/sRGB/Cinema/(3D)/User 1/User 2	
<b>Accessories</b>	<b>Standard</b>	<b>Optional</b>
	Lens Cover	Spare Lamp Kit
	Remote Control w/ Battery	Ceiling Mount
	Power Cord (by region)	3D Glasses
	Downloading UM and Regulatory Statements	Carry bag
	Quick Start Guide	
	Warranty Card (by region)	
	VGA(D-sub 15pin) Cable	

\*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

## Distance Chart

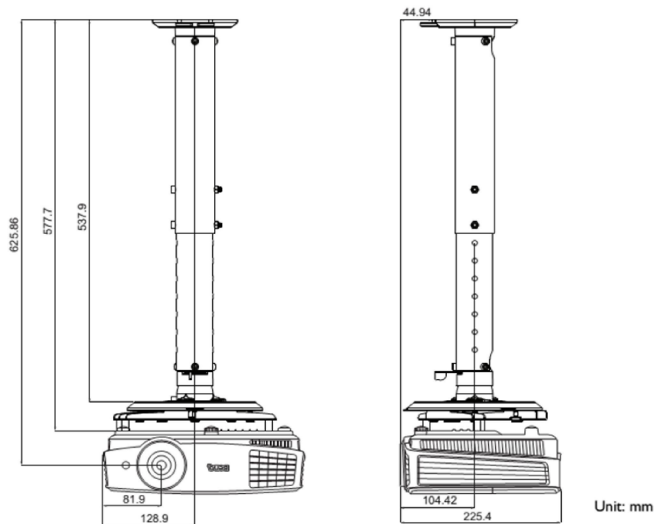
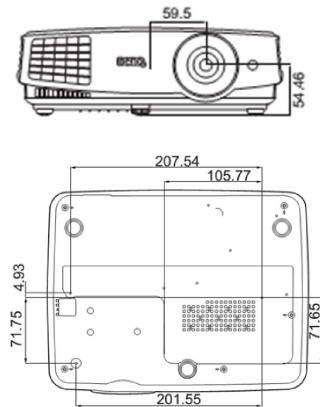


The screen aspect ratio is 4:3 and the projected picture is in a 4:3 aspect ratio

Screen size				Distance from screen (mm)			Vertical offset (mm)
Diagonal		W (mm)	H (mm)	Min length	Average	Max length	
				(max. zoom)		(min. zoom)	
Inch	mm						
30	762	610	457	1132	1189	1245	46
40	1016	813	610	1509	1585	1660	61
50	1270	1016	762	1887	1981	2075	76
60	1524	1219	914	2264	2377	2491	91
80	2032	1626	1219	3019	3170	3321	122
100	2540	2032	1524	3774	3962	4151	152
120	3048	2438	1829	4528	4755	4981	183
150	3810	3048	2286	5660	5943	6226	229
200	5080	4064	3048	7547	7925	8302	305
250	6350	5080	3810	9434	9906	10377	381
300	7620	6096	4572	11321	11887	12453	457

## Wall mount/Ceiling mount Chart

Ceiling Mount screw: M4  
(Max L = 25 mm; Min L = 20 mm)



## Dimension

