

ZH521ST



Bright, Robust and Reliable Laser Short-throw Projectors

- Bright and robust laser light source projectors with good color representation
- More stable brightness output than lamp projectors but lower power consumption
- Short-throw lens design for easy projection of a 100-inch Full HD screen.
- Environmental friendly with mercury free and compliance with ErP Directive
- Flexible installation with 360° projection and portrait mode support
- Certified for IP6X which offers complete protection from dust
- Reliable thermal design for 24/7 operation
- 4K and HDR compatible
- Vertical & horizontal keystone correction support
- Vertical Lens shift support
- Multiple network control protocols support
- Optoma Management Suite(OMS) centralizes the control of all you device.
- Stay up to date effortlessly with firmware over-the-air(OTA) update.



Display/image	Display technology	DLP™
	Resolution	Full HD (1920x1080)
	Brightness	5,300 lumens
	Contrast ratio	300,000:1
	Native aspect ratio	16:9
	Aspect ratio - support	4:3, 16:9, 16:10, Full, Native, Auto
	Keystone correction	H±15°, V±15°
	Horizontal scan rate	15~135 KHz
	Vertical scan rate	24~120Hz
	Uniformity	75%
	Screen size	30~300 inches.
Light Source	Light source type	Laser
	Light source life	30,000 hours (Eco mode)
Optical	Throw ratio	0.79
	Projection distance	Up to 5.3M
	Zoom	n/a
	Zoom type	Fixed
	Focal length (mm)	11.6mm
	Lens shift	Vertical:106%~127%
	Native offset	106%~127%(+/-5%)
Connectivity	Connections	Inputs HDMI 2.0 x 2, VGA-In x 1, Audio In x 1, Outputs Audio Out x 1, USB-A (5V/1.5A) x 1, USB-A(5V/0.5A) x 1, 3D sync out x 1 Control RJ45 x 1 (LAN Control), RS232 x 1, 12V Trigger x 1
General	Noise level (min)	29dB (Eco mode)
	Noise level (max)	31dB (Bright mode)
	PC compatibility	VGA, SVGA, XGA, 720p, WXGA, SXGA, SXGA+, UXGA, 1080p, WUXGA
	2D compatibility	NTSC, PAL, SECAM, SDTV, HDTV, UHD
	3D compatibility	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz
	3D	Full 3D
	Security	Kensington Lock, Password protected interface
	OSD / display languages	27 languages: English, Arabic, Czech, Danish, Dutch, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romania, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnam
	Operating conditions	Max Temperature(operating):0 ~ 40°C; Tolerance +/- 2°C, Max Altitude(operating): 10,000 ft., for 0°C~30°C, Max humidity(operating): 80% RH, non-condensing
	24/7 operation	Yes
	Speaker count	1
	Watts per speaker	15W
	Input lag	4K/ 60Hz: 16.7 ms 1080P/ 60Hz: 16.7 ms 1080P/ 120Hz: 8.4 ms
	In the box	AC power cord, Remote control, Basic user manual
Networking	LAN - control	Yes
Power	Power supply	100 ~ 240V, 50 ~ 60Hz
	Power consumption (standby)	≤0.5W
	Power consumption (Eco mode)	150 W@110VAC 147 W@220VAC
	Power consumption (Bright mode)	211 W @110VAC 205 W @220VAC
Weight and dimensions	Dimensions (W x D x H)	W/o feet: 216 x 274 x 108.5mm (10.8 x 8.5 x 4.3 inches) With feet: 216 x 274 x 114mm (10.8 x 8.5 x 4.5 inches)
	Gross weight	4.6 kg / 9.9 lbs
	Net weight	3.1kg / 6.6 lbs