Optoma
Experience more

ZK521ST

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 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**
- **Support 4K and HDR**
- **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	4K UHD (3840x2160)
	Brightness	5,100 lumens
	Contrast ratio	300,000:1
	Native aspect ratio	16:9
	Aspect ratio - support	4:3, 16:9, 16:10, Full, Auto, Native
	Keystone correction	H±15º, V±15º
	Horizontal scan rate	15~150 KHz
	Vertical scan rate	24~120Hz
	Uniformity	75%
	Screen size	30"~300"
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	106%~127%
	Native offset	106%~127%(+/-5%)
Connectivity	Connections	**Inputs** HDMI 2.0 x 2, 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 1080P/ 240Hz: 4.2 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)	147 W@110VAC 146 W@220VAC
	Power consumption (Bright mode)	196 W @110VAC 193 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	4.9±0.2KG
	Net weight	3.25±0.2KG

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