# ULTRA SHORT THROW LASER PHOSPHOR PROJECTOR

# Optoma

### Spectacular 100" FullHD 1080p image from only 13" away





Combines laser phosphor technology with 4000 lumens and 100,000:1 contrast ratio to produce bright visuals and razor sharp text



PC-Free USB Media Player supports playback of video and audio files along with shared images and presentations



Full HD 1080p and extensive I/O connectivity with Dual HDMI featuring MHL, VGA-In, RJ-45 and 2x Audio-In



Powerful 10-Watt speakers enhance presentations and fill every room with loud crisp audio



Laser phosphor light source provides up to 20,000 hours of light source expectancy



HDMI MHL port supports popular HDMI dongles including Optoma's HDCast Pro, Chromecast, FireTV & more



ZH400UST

















The Optoma ZH400UST is equipped with laser phosphor display technology for state-of-the-art picture and color performance. The ZH400UST impresses with rich color and deep black levels that outperform traditional lamp-based projectors, while the laser solid-state light source provides up to 20,000 hours of life for a virtually maintenance-free operation.

With a throw ratio of .25, the ZH400UST can display a 100" 1080p image from only 13" away making it ideal for space constrained environments such as small classrooms, meeting rooms, boardrooms and digital signage applications. Allowing for presentations to transition from external sources seamlessly, the ZH400UST's PC-Free USB Media Player supports playback of video and audio files along with images and presentations shared directly from any USB device.

Featuring a powerful 10-watt speaker, the ZH400UST enhances presentations, videos and audio files by delivering crisp, robust audio. In addition, streaming and presenting is made easy with an MHL-powered HDMI port that supports popular dongles including Optoma's HDCast Pro and Amazon's FireTV. The USB port can also be used to power Optoma's WHD200 Wireless HDMI system or Google's Chromecast media dongle.

**CONNECTIVITY** (May require optional accessories)



Smart Phones













Apple TV®

Chromecast™

#### **ULTRA SHORT THROW LASER PHOSPHOR PROJECTOR** — ZH400UST

#### **OPTICAL/TECHNICAL SPECIFICATIONS**

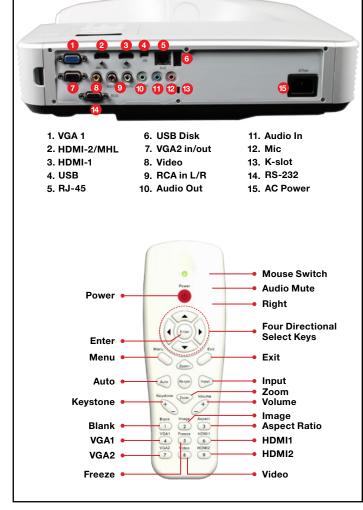
Display Technology         Single Texas Instrument DMD, 12 degree .65" 1080P DMD X1, Type S600, DC3           Color Wheel         3 Segment; Y/G/B Wheel Diameter 59mm           Native Resolution         1080p (1920x1080)           Maximum Resolution         1080p (1920x1080)           Brightness         4000 Lumens           Contrast Ratio         100,000:1 (dynamic black enabled)           Displayable Colors         1.7 Billion Colors           Lamp Life and Type*         Up to 20,000 hrs           Projection Method         Front, rear, ceiling mount, table top           Keystone Correction         ± 15° Vertical           Uniformity         80%           Offset         120%±3%           Aspect Ratio         16:9 (native), 16:10, 4:3, Auto           Throw Ratio         0.25:1 (distance/width), ±5% Variance           Projection Distance         17.7"-22.1" (0.45-0.56 m)           Image Size         85" - 100"           Projection Lens         F=2.5~ 3.26, f=20.91 ~ 32.62 mm manual focus           Optical Zoom         Fixed lens           Digital Zoom         Yes           Audio         10W Mono Speaker           Noise Level         30dB (ECO)           Remote Control         Full Function Remote           Operating Temperature	OF HUAL/ ILCHNIO	AL SPECIFICATIONS
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#### **COMPATIBILITY SPECIFICATIONS**

PC Free USB Media Player and Office Document Viewer	Supports playback of video files, audio files, and viewing of Office Documents and PDF files via USB 2.0 and USB 3.0 Flash Disks and Drives
PC Free USB Media Player Video Codecs and Containers	H.264, H.263, VC-1, MPEG-1/2/4, DIVX-3/4/5/6, XVID, WMV7/8, VP8,VP6, AVS, MKV
PC Free USB Media Player Audio Codecs and Containers	MP3, WMA, OGG, FLAC, APE, ATRA
PC Free USB Media Player Image formats	JPEG, GIF, BMP
PC Free Office Document and PDF Viewer formats	Word Documents (.doc, .docx), Excel Spreadsheets (.xls, .xlsx), Powerpoint Presentations (.ppt, .pptx), Adobe Acrobat files (.pdf)
Computer Compatibility	SVGA, VGA, SXGA, UXGA, XGA,WXGA, HD, Mac
Video Input Compatibility	NTSC, PAL, SECAM, SDTV 480i/p, 576i/p, HDTV 720p(50/60Hz), 1080i(50/60Hz), 1080P(50/60Hz)
3D Compatibility <sup>†</sup>	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 (i.e. 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
Vertical Scan Rate	24~ 85 Hz (120Hz for 3D feature)
Horizontal Scan Rate	15.375~91.146 KHz
User Controls	Complete on-screen menu adjustment in 18 languages
I/O Connection Ports	2xHDMI (with MHL), Composite Video In, 2xAudio-In (3.5mm & RCA), Mic-In (3.5mm), VGA-In, VGA-Out, Audio-Out (3.5mm), RS232, RJ-45, USB-A (USB Power 1A and PC Free USB Media Player), USB-B (Service only)
Loop Through (Audio)	Yes

#### PHYSICAL SPECIFICATIONS

Security	Kensington® Lock Port, security bar and keypad lock
Weight	12.3 lb
Dimensions (W x H x D)	15" x 5" x 12.5" (381 x 127 x 317.5mm)



#### Warranty

2 Year Optoma Express Service 1Yeae / 1000 Hours Which is Early Year on Lamp

#### What's in the Box

ZH400UST, AC power cord, VGA to VGA cable, remote control, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card

#### **Optional Accessories**

Universal ceiling mount, DLP®Link™ 3D glasses, Wireless HDMI system, Remote, HDCast Pro

### **Accessory Part Numbers**

Remote: BR-3080N Ceiling mount: OWM3000 DLP®Link™ 3D glasses: ZD302 Wireless HDMI system: WHD200 HDCast Pro: HDCAST PRO-BLACK

**UPC** 796435 44 049 7





<sup>\*</sup>Light source life is dependent upon many factors, including brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.