ULTRA SHORT THROW LASER PHOSPHOR PROJECTOR

ZH400UST

Optoma

Spectacular 100" FullHD 1080p image from only 12" 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

HD **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 30,000 hours of light source expectancy

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

PICTURE BY **DLP** TEXAS INSTRUMENTS | FEATURES **BrilliantColor** With Multi-Color Processing For Rich, Vibrant Colors | **NATIVE 16:9** WIDESCREEN | **Full 3D** 1080p | **HDMI** HIGH DEFINITION MULTIMEDIA INTERFACE | **CRESTRON** | **RoHS COMPLIANT** | **DuraCore LASER**

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 30,000 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 12" 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)

Computers | Smart Phones | Tablets | 3D Blu-ray/DVD Players | Camcorders | Digital Cameras | Apple TV® | Chromecast™

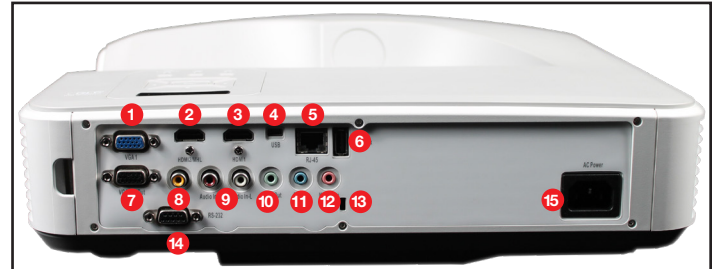## OPTICAL/TECHNICAL SPECIFICATIONS

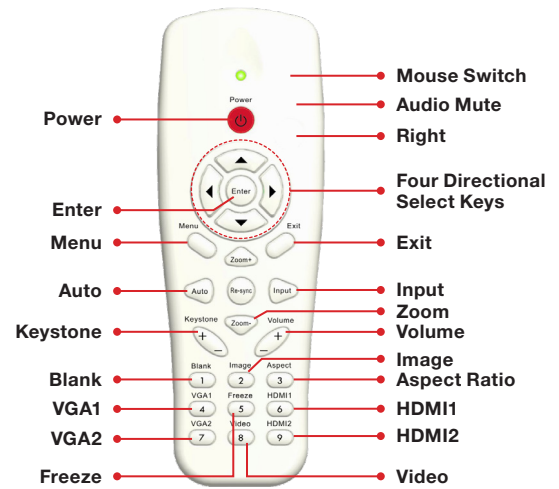|	
Display Technology	Single Texas Instrument DMD, 12 degree .65" 1080P DMD X1, Type S600, DC3
Color Wheel	3 Segment; Y/G/B Wheel Diameter 59mm
Native Resolution	1080p (1920x1080)
Maximum Resolution	1080p (1920x1080)
Brightness	4000 Lumens
Contrast Ratio	100,000:1 (dynamic black enabled)
Displayable Colors	1.07 Billion Colors
Lamp Life and Type*	Up to 30,000 hrs (Eco), 20,000 hrs (Bright)
Projection Method	Front, rear, wall mount, table top, ceiling mount
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	9.2" - 12.4" (233-316mm)
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	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 90 – 264V, 50–60 Hz
Power Consumption	335W (Bright), 225W (ECO)
High Altitude	Operating temperature at sea level up to 10000 feet = 73F (max); Must manually switch to high altitude mode from 5000 feet and above (using OSD menu) to maintain optimal functionality.

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[†]	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 4" x 11.5"

1. VGA 1
2. HDMI-2/MHL
3. HDMI-1
4. USB
5. RJ-45
6. USB Disk
7. VGA2 in/out
8. Video
9. RCA in L/R
10. Audio Out
11. Audio In
12. Mic
13. K-slot
14. RS-232
15. AC Power

Mouse Switch
Audio Mute
Power
Right
Four Directional Select Keys
Enter
Menu
Exit
Auto
Input
Zoom
Keystone
Volume
Blank
Image
Aspect Ratio
VGA1
HDMI1
VGA2
HDMI2
Freeze
Video

Warranty

5-year or 12,000 hour light source warranty (whichever comes first), 3-year parts and labor limited warranty on the projector.

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
Wall mount: OWM3000
DLP®Link™ 3D glasses: ZD302
Wireless HDMI system: WHD200
HDCast Pro: HDCAST PRO-BLACK

UPC 796435 44 049 7

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*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.

†3D content can be viewed with DLP Link active shutter 3D glasses when projector is used with a compatible 3D player. Please visit www.OptomaUSA.com for more information.