Ultra Short Throw 1080p Laser Multimedia Projector
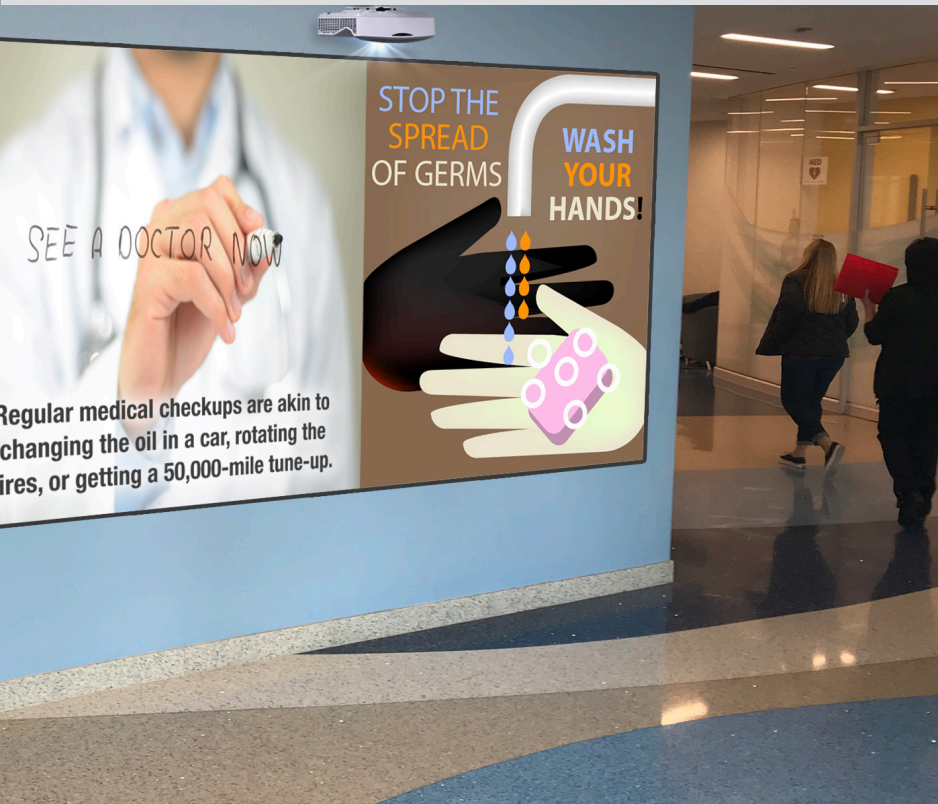
ZH420UST-W

Optoma

Spectacular 100" Full HD 1080p image from only 12" away

Bright 4,000 lumens and 100,000:1 contrast ratio for bright and sharp images

Laser light source provides up to 20,000+ hours of life

Full HD 1080p with HDMI, VGA-in and HDBaseT connectivity

Blend multiple projectors to produce a single ultra-wide image perfect for digital signage

Easily project images onto various geometric surfaces with integrated warping adjustments

Powerful 10-watt speaker enhances presentations

DLP TEXAS INSTRUMENTS | FEATURES BrilliantColor DLP | HDMI HIGH DEFINITION MULTIMEDIA INTERFACE | 1080P | Full 3D | MHL | RoHS COMPLIANT | CRESTRON

Equip space-constrained environments with the 4,000 lumen 1080p Optoma ZH420UST, driven by laser-phosphor technology for stunning images with up to 20,000 hours of life from the light source. A throw ratio of 0.25:1 enables 100-inch projections from 12 inches away, ideal for small classrooms, meeting rooms, boardrooms and digital signage.

Built-in warping adjustments provide image manipulation and projection onto virtually any geometric surface, including support for up to 17 x 17 individual point adjustments. The geometric flexibility makes combining multiple ZH420USTs to produce one large, bright and ultra-wide image easy.

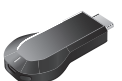## CONNECTIVITY (May require optional accessories)

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

Ultra short throw 1080p laser multimedia projector - ZH420UST-W
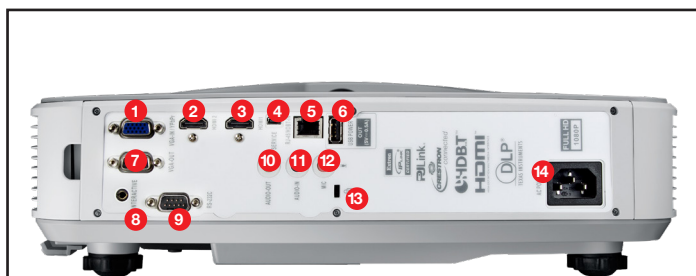
OPTICAL/TECHNICAL SPECIFICATIONS

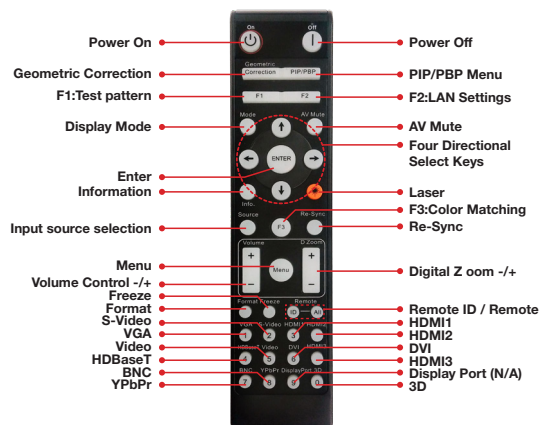|	
Display Technology	Single Texas Instruments 0.65" 1080p DLP chip
Color Wheel	RGBY
Native Resolution	1080p (1920 x 1080)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness	4000 ANSI lumens
Contrast Ratio	100,000:1
Displayable Colors	1.07 billion
Lamp Life and Type*	20,000 hours
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±30° vertical & horizontal
Uniformity	80%
Offset	120%±5%
Aspect Ratio	16:9 (native) and 4:3 compatible
Throw Ratio	0.25:1 (with tolerance +/- 5%)
Max Projection Distance	9.2" - 12.4" (233-316mm)
Image Size	87" ~ 102"
Projection Lens	f/2.4
Optical Zoom	Fixed lens
Digital Zoom	Yes
Audio	10W
Noise Level	32dB (Eco)
Remote Control	Full size remote
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 90 – 264V, 50–60 Hz
Power Consumption	Full : 350W±15% ECO : 245W±15%
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

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 sold separately. Please 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, HDBaseT (shared with LAN), VGA in, VGA out, audio-In (3.5 mm), Mic-in (3.5 mm), audio-out (3.5mm), RS-232C, LAN (shared with HDBaseT), mini-USB (service), USB power
Loop Through (Audio)	Yes

PHYSICAL SPECIFICATIONS

Security	Kensington® Lock Port, security bar and keypad lock
Weight	12.5lbs
Dimensions (W x H x D)	15"x4"x11.5"

1. VGA 1
2. HDMI-2/MHL
3. HDMI-1
4. Mini USB
5. HDBaseT/LAN(RJ45)
6. USB
7. VGA2 in/out
8. Interactive
9. RS-232C
10. Audio Out
11. Audio In
12. Mic In
13. Kensington-Slot
14. AC Power

Power On — Power Off
Geometric Correction — PIP/PBP Menu
F1:Test pattern — F2:LAN Settings
Display Mode — AV Mute
 — Four Directional Select Keys
Enter
Information — Laser
 — F3:Color Matching
Input source selection — Re-Sync
Menu — Digital Zoom -/+
Volume Control -/+
Freeze
Format — Remote ID / Remote
S-Video — HDMI1
VGA — HDMI2
Video — DVI
HDBaseT — HDMI3
BNC — Display Port (N/A)
YPbPr — 3D

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