

# Ultra Short Throw 1080p Laser Multimedia Projector

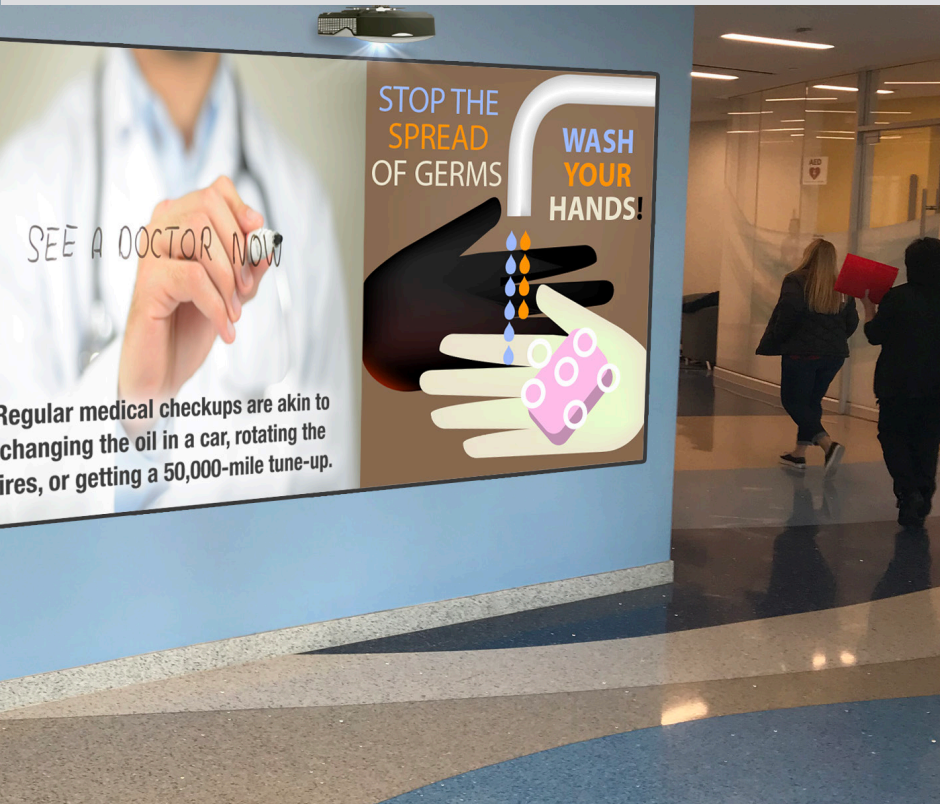
## ZH420UST-B



### 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



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



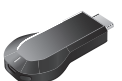
3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

# Ultra short throw 1080p laser multimedia projector - ZH420UST-B

## OPTICAL/TECHNICAL SPECIFICATIONS

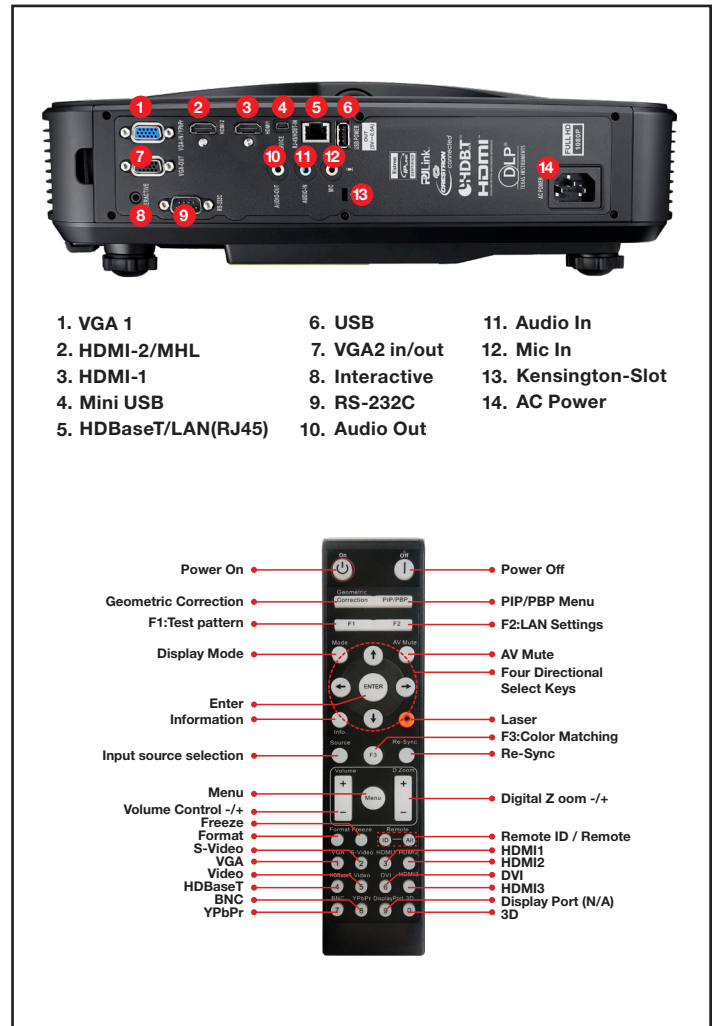
|                              |   |
|------------------------------|---|
| <b>Display Technology</b>    | Single Texas Instruments 0.65" 1080p DLP chip   |
| <b>Color Wheel</b>           | RGBY  |
| <b>Native Resolution</b>     | 1080p (1920 x 1080)   |
| <b>Maximum Resolution</b>    | WUXGA (1920 x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

|                                  |  |
|----------------------------------|--|
| <b>Computer Compatibility</b>    | SVGA, VGA, SXGA, UXGA, XGA, WXGA, HD, Mac  |
| <b>Video Input Compatibility</b> | NTSC, PAL, SECAM, SDTV 480i/p, 576i/p, HDTV 720p(50/60Hz), 1080i(50/60Hz), 1080P(50/60Hz)  |
| <b>3D Compatibility†</b>         | 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. |
| <b>Vertical Scan Rate</b>        | 24 ~ 85 Hz (120Hz for 3D feature)  |
| <b>Horizontal Scan Rate</b>      | 15.375 ~ 91.146 KHz  |
| <b>User Controls</b>             | Complete on-screen menu adjustment in 18 languages   |
| <b>I/O Connection Ports</b>      | 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   |
| <b>Loop Through (Audio)</b>      | Yes  |

## PHYSICAL SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| <b>Security</b>               | Kensington® Lock port, security bar and keypad lock |
| <b>Weight</b>                 | 12.5lbs   |
| <b>Dimensions (W x H x D)</b> | 15"x4"x11.5"  |



### Warranty

5 year or 20,000 hour light source warranty (whichever comes first)  
3-year Optoma Express Advance Exchange warranty

### What's in the Box

ZH420UST, AC power cord, VGA to VGA cable, remote control, batteries for remote, multilingual CD-ROM user's manual, quick start guide and warranty card

### Optional Accessories

Universal ceiling mount, DLP@Link™ 3D glasses, Remote, HDCast Pro, HDBaseT transmitter

### Accessory Part Numbers

Remote: BR-3075W  
Ceiling mount: OWM3000  
DLP@Link™ 3D glasses: ZD302  
HDCAST PRO: HDCAST PRO-BLACK  
HDBaseT transmitter: 4k100TX

UPC 796435 44 205 7

www.OptomaUSA.com



\*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.

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