

# ZH450ST

Eco-friendly high brightness short throw Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 4200 lumens and IP6X certified**
- **Compact and short throw lens for easy installation - 360-degree and portrait projection**
- **Reduced power consumption for a long life span - DuraCore laser technology delivers 30,000 hours maintenance free laser light source**
- **External power supply - More reliability, portability and energy efficiency**



The ZH450ST is one of Optoma's most compact and hassle-free Full HD 1080p DuraCore laser projectors to date. Designed for maintenance-free continuous operation, this 4200-lumen projector delivers powerful image performance with flexible installation features and extensive connectivity options in a sleek, compact form factor, up to 34% smaller than previous Optoma models.<sup>1</sup>

An added benefit, the ZH450ST features an external power supply offering more reliability, portability and energy efficiency.

## Specifications

EAN: 5055387666818, Colour: White

UPC: 796435 44 658 1, Colour: White



### Display/image

|                                  |                           |
|----------------------------------|---------------------------|
| Display technology               | DLP™                      |
| Resolution                       | 1080p Full HD (1920x1080) |
| Brightness                       | 4,200 lumens              |
| Contrast ratio                   | 1,800:1                   |
| ANSI contrast ratio              | 300,000                   |
| Contrast ratio - dynamic         | 2,000,000:1               |
| Native aspect ratio              | 16:9                      |
| Aspect ratio - compatible        | 4:3, 16:9, 16:10          |
| Keystone correction - horizontal | +/-30°                    |
| Keystone correction - vertical   | +/-30°                    |
| Displayable colors (millions)    | 1073.4                    |
| Horizontal scan rate             | 15 ~ 140Khz               |
| Vertical scan rate               | 24 ~ 120Hz                |
| Uniformity                       | 75%                       |
| Screen size                      | 36" ~ 292" diagonal       |

### Lamp info

|                   |              |
|-------------------|--------------|
| Light source type | Laser        |
| LASER life        | 30,000 hours |

### Optical

|                     |                  |
|---------------------|------------------|
| Throw ratio         | 0.496:1          |
| Projection distance | 15.75" - 125.98" |
| Zoom type           | Fixed            |
| Focal length (mm)   | 7.51             |
| Native offset       | 116%             |

### Connectivity

|             |  |
|-------------|--|
| Connections | <b>Inputs</b> 2 x HDMI 2.0<br><b>Outputs</b> 1 x Audio 3.5mm, 1 x USB-A power 1.5A<br><b>Control</b> 1 x RS232, 1 x RJ45 |
|-------------|--|

### General

|                         |  |
|-------------------------|--|
| Noise level (typical)   | 32dB   |
| Noise level (max)       | 34dB   |
| PC compatibility        | FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac   |
| 2D compatibility        | NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4.43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)  |
| 3D compatibility        | Yes (DLP 3D; PC frame sequential 120Hz 3D, Blu-ray DVD 3D)ver-Under: 1080p24, 720p50 / 60  |
| 3D                      | Full 3D  |
| Security                | Security bar, Kensington Lock, Password protected interface  |
| IP rating               | IP6X   |
| OSD / display languages | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese |
| 24/7 operation          | Yes  |
| 360° operation          | Yes  |
| Operating conditions    | 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m  |
| Remote control          | Card style   |
| Speaker count           | 1  |
| Watts per speaker       | 15W  |
| In the box              | AC power cord<br>Remote control<br>1x CR2025 battery<br>Basic user manual  |

### Optional wireless models

UHDCast Pro

### Power

|                             |   |
|-----------------------------|---|
| Power supply                | External power supply, 100V ~ 240V, 50-60Hz |
| Power consumption (standby) | <0.5W                                       |
| Power consumption (min)     | 119W  |
| Power consumption (max)     | 173W  |

### Weight and dimensions

|                        |                       |
|------------------------|-----------------------|
| Dimensions (W x D x H) | 10.79" x 8.5" x 4.49" |
| Gross weight           | 9.26 lbs              |
| Net weight             | 6.61 lbs              |

