

# ZH420

Eco-friendly ultra-compact high brightness Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 4300 lumens and IP6X certified**
- **Small form factor for easy installation - 1.3x zoom, 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 ZH420 is one of Optoma's most compact and hassle-free Full HD 1080p DuraCore laser projectors to date. Designed for maintenance-free continuous operation, it 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 ZH420 features an external power supply offering more reliability, portability and energy efficiency.

## Specifications

EAN: 5055387666801, Colour: White

UPC: 796435 44 643 7, Colour: White



### Display/image

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Display technology               | DLP™                                |
| Resolution                       | 1080p Full HD (1920x1080)           |
| Brightness                       | 4,300 lumens                        |
| Contrast ratio                   | 300,000:1                           |
| 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 colours (millions)   | 1073.4                              |
| Horizontal scan rate             | 15 ~ 140Khz                         |
| Vertical scan rate               | 24 ~ 120Hz                          |
| Uniformity                       | 75%                                 |
| Screen size                      | 0.79m ~ 8.18m (31" ~ 322") diagonal |

### Lamp info

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

### Optical

|                         |                 |
|-------------------------|-----------------|
| Throw ratio             | 1.12:1 ~ 1.47:1 |
| Projection distance (m) | 1m - 8m         |
| Zoom                    | 1.3             |
| Zoom type               | Manual          |
| Focal length (mm)       | 16.9 ~ 21.61    |
| 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)    | 29dB   |
| Noise level (max)        | 31dB   |
| 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)   |
| 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 2500m   |
| 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) mm | 274 x 216 x 114 |
| Gross weight              | 4.2 kg          |
| Net weight                | 3 kg            |

