

# ZH521

Eco-friendly compact high brightness Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 5500 ISO lumens and IP6X certified**
- **Compact for easy installation - 1.3x zoom, 360-degree and portrait projection**
- **Optoma Management Suite (OMSC)<sup>™</sup> - Remotely manage and control your device with real-time monitoring, and scheduling, helping to reduce downtime, streamline operations, and cut operating costs.**
- **Optoma Smart Control App - Streamlines device management allowing you to command, control and make image corrections all from your mobile device.**



The ZH521 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 5500 ISO 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>

Compatible with Optoma Management Suite (OMSC)<sup>™</sup> and Optoma's latest Smart Control App, control and manage your devices remotely with ease.

Specifications

EAN: 5055387669628, Colour: White

|                                  |                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display/image                    |                                                                                                                                                                                                                                                                            |
| Display technology               | DLP®                                                                                                                                                                                                                                                                       |
| Resolution                       | 1080p Full HD (1920x1080)                                                                                                                                                                                                                                                  |
| ISO 21118 brightness             | 5,500                                                                                                                                                                                                                                                                      |
| Contrast ratio                   | 3,000,000:1                                                                                                                                                                                                                                                                |
| 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 ~ 135Khz                                                                                                                                                                                                                                                                |
| Vertical scan rate               | 24 ~ 120Hz                                                                                                                                                                                                                                                                 |
| Uniformity                       | 75%                                                                                                                                                                                                                                                                        |
| Screen size                      | 0.76m ~ 7.62m (30" ~ 300") diagonal                                                                                                                                                                                                                                        |
| Lamp info                        |                                                                                                                                                                                                                                                                            |
| Light source type                | Laser                                                                                                                                                                                                                                                                      |
| LASER life                       | 30,000 hours                                                                                                                                                                                                                                                               |
| Optical                          |                                                                                                                                                                                                                                                                            |
| Throw ratio                      | 1.13:1 ~ 1.47:1                                                                                                                                                                                                                                                            |
| Projection distance (m)          | 0.746m - 7.46m                                                                                                                                                                                                                                                             |
| Zoom                             | 1.3                                                                                                                                                                                                                                                                        |
| Zoom type                        | Manual                                                                                                                                                                                                                                                                     |
| Focal length (mm)                | 16.90 ~ 21.61                                                                                                                                                                                                                                                              |
| Native offset                    | 116%                                                                                                                                                                                                                                                                       |
| Connectivity                     |                                                                                                                                                                                                                                                                            |
| Connections                      | Inputs 2 x HDMI 2.0, 1 x VGA, 1 x Audio 3.5mm<br>Outputs 1 x Audio 3.5mm, 2 x USB-A power 1.5A<br>Control 1 x RS232, 1 x RJ45, 1 x 12V trigger, 1 x 3D sync                                                                                                                |
| General                          |                                                                                                                                                                                                                                                                            |
| Noise level (min)                | 29dB                                                                                                                                                                                                                                                                       |
| Noise level (max)                | 35dB                                                                                                                                                                                                                                                                       |
| 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-r                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                        |
| Speaker count                    | 1                                                                                                                                                                                                                                                                          |
| Watts per speaker                | 15W                                                                                                                                                                                                                                                                        |
| In the box                       | AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual                                                                                                                                                                                                   |
| Power                            |                                                                                                                                                                                                                                                                            |
| Power supply                     | External power supply, 100V ~ 240V, 50-60Hz                                                                                                                                                                                                                                |
| Power consumption (standby)      | <0.5W                                                                                                                                                                                                                                                                      |
| Power consumption (min)          | 147W                                                                                                                                                                                                                                                                       |
| Power consumption (max)          | 210W                                                                                                                                                                                                                                                                       |
| Weight and dimensions            |                                                                                                                                                                                                                                                                            |
| Dimensions (W x D x H) mm        | 274 x 216 x 108                                                                                                                                                                                                                                                            |
| Gross weight                     | 4.4 kg                                                                                                                                                                                                                                                                     |
| Net weight                       | 2.9 kg                                                                                                                                                                                                                                                                     |

