

## ZH520

Eco-friendly compact high brightness Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 5500 lumens and IP6X certified**
- **Compact 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 ZH520 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 ZH520 features an external power supply offering more reliability, portability and energy efficiency.



Specifications

|                                     |                                                                                                                                                                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EAN: 5055387667754, Colour: White   |                                                                                                                                                                                                                                                                            |
| UPC: 796435 44 693 2, Colour: White |                                                                                                                                                                                                                                                                            |
| <b>Display/image</b>                |                                                                                                                                                                                                                                                                            |
| Display technology                  | DLP®                                                                                                                                                                                                                                                                       |
| Resolution                          | 1080p Full HD (1920x1080)                                                                                                                                                                                                                                                  |
| Brightness                          | 5,500 lumens                                                                                                                                                                                                                                                               |
| Contrast ratio                      | 3,000,000:1                                                                                                                                                                                                                                                                |
| Native aspect ratio                 | 16:9                                                                                                                                                                                                                                                                       |
| Aspect ratio - compatible           | 4:3, 16:9                                                                                                                                                                                                                                                                  |
| Keystone correction - horizontal    | 30°                                                                                                                                                                                                                                                                        |
| Keystone correction - vertical      | 30°                                                                                                                                                                                                                                                                        |
| Displayable colours (millions)      | 1073.4                                                                                                                                                                                                                                                                     |
| Uniformity                          | 75%                                                                                                                                                                                                                                                                        |
| <b>Lamp info</b>                    |                                                                                                                                                                                                                                                                            |
| Light source type                   | Laser                                                                                                                                                                                                                                                                      |
| LASER life                          | 30,000 hours                                                                                                                                                                                                                                                               |
| <b>Optical</b>                      |                                                                                                                                                                                                                                                                            |
| Throw ratio                         | 1.13:1 ~ 1.47:1                                                                                                                                                                                                                                                            |
| Projection distance (m)             | 1m - 8m                                                                                                                                                                                                                                                                    |
| Zoom                                | 1.3                                                                                                                                                                                                                                                                        |
| Zoom type                           | Manual                                                                                                                                                                                                                                                                     |
| Focal length (mm)                   | 16.90 ~ 21.61                                                                                                                                                                                                                                                              |
| Native offset                       | 116%                                                                                                                                                                                                                                                                       |
| <b>Connectivity</b>                 |                                                                                                                                                                                                                                                                            |
| 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                                                                                                                                                   |
| <b>General</b>                      |                                                                                                                                                                                                                                                                            |
| 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                                                                                                                                                                                                                        |
| 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                                                                                                                                                                                                                                                                |
| <b>Power</b>                        |                                                                                                                                                                                                                                                                            |
| Power supply                        | External power supply, 100V ~ 240V, 50-60Hz                                                                                                                                                                                                                                |
| Power consumption (standby)         | <0.5W                                                                                                                                                                                                                                                                      |
| Power consumption (min)             | 128W                                                                                                                                                                                                                                                                       |
| Power consumption (max)             | 205W                                                                                                                                                                                                                                                                       |
| <b>Weight and dimensions</b>        |                                                                                                                                                                                                                                                                            |
| Dimensions (W x D x H) mm           | 274 x 216 x 108                                                                                                                                                                                                                                                            |
| Gross weight                        | 4.6 kg                                                                                                                                                                                                                                                                     |
| Net weight                          | 3.4 kg                                                                                                                                                                                                                                                                     |

