

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.¹

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

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

Optical

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|-------------------------|-----------------|
| 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

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

General

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|--------------------------|--|
| Noise level (min) | 29dB |
| Noise level (max) | 36dB |
| 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 Remote control 1x CR2025 battery Basic user manual |
| Optional wireless models | UHDCast Pro |

Power

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|-----------------------------|---|
| 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

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|---------------------------|-----------------|
| Dimensions (W x D x H) mm | 274 x 216 x 114 |
| Gross weight | 4.2 kg |
| Net weight | 3 kg |

