optoma.co.uk

# HZ146X-W

Compact high brightness Full HD laser home projector



- **Bright 3800 lumens for lights on viewing - Full HD 1080p laser projector, 4K UHD and HDR compatible**
- **Eco-friendly design - Low power consumption, energy saving and a long product lifespan**
- **External power supply - More reliability, portability and energy efficiency**
- **Lightning-fast gaming - Supports 1080p 120Hz with a 8.6ms response time**



Designed with the environment in mind, the energy-saving HZ146X laser projector provides an easy setup in any space around the home, 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 HZ146X features an external power supply offering more reliability, portability and energy efficiency.

## Specifications

EAN: 5055387668201, Colour: White

UPC: 796435 81 518 9, Colour: White



| | |
|---|---|
| **Display/image** | |
| **Display technology** | DLP® |
| **Resolution** | 1080p Full HD (1920x1080) |
| **Brightness** | 3,800 lumens |
| **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** | 0.51m ~ 7.62m (20" ~ 300") diagonal |
| **Lamp info** | |
| **Light source type** | Laser |
| **LASER life** | 30,000 hours |
| **Optical** | |
| **Throw ratio** | 1.48:1 ~ 1.62:1 |
| **Projection distance (m)** | 0.8m - 10m |
| **Zoom** | 1.1 |
| **Zoom type** | Manual |
| **Focal length (mm)** | 12.81 ~ 16.74 |
| **Native offset** | 116% |
| **Connectivity** | |
| **Connections** | **Inputs** 2 x HDMI 2.0<br>**Outputs** 1 x Audio 3.5mm, 1 x USB-A power 1.5A<br>**Control** 1 x RS232 |
| **General** | |
| **Noise level (min)** | 27dB |
| **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) |
| **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 |
| **Input lag** | 8.60ms |
| **Optional wireless models** | UHDCast Pro |
| **Power** | |
| **Power supply** | 100V ~ 240V, 50-60Hz |
| **Power consumption (standby)** | <0.5W |
| **Power consumption (min)** | 88W |
| **Power consumption (max)** | 139W |
| **Weight and dimensions** | |
| **Dimensions (W x D x H) mm** | 274 x 216 x 114 |
| **Gross weight** | 4.2 kg |
| **Net weight** | 3 kg |

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