

# HZ147X

Compact high brightness Full HD laser home projector



- **Bright 4000 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**
- **Optoma Smart Control App - Control this projector and make quick and easy image adjustments all from your mobile device**
- **Low input lag - Supports 1080p 120Hz at 8.4ms and 4K 60Hz at 16.7ms for responsive gaming and viewing**



The HZ147X 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 4000-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>

Use Optoma's latest Smart Control App to make quick adjustments to your setup and take advantage of low latency gaming mode for lightning quick response times.

Specifications

EAN: 5055387600614, Colour: Black



|                                  |                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display/image                    |                                                                                                                                                                                                                                                                            |
| Display technology               | DLP®                                                                                                                                                                                                                                                                       |
| Resolution                       | 1080p Full HD (1920x1080)                                                                                                                                                                                                                                                  |
| Brightness                       | 4,000 lumens                                                                                                                                                                                                                                                               |
| ISO 21118 brightness             | 4,000                                                                                                                                                                                                                                                                      |
| Contrast ratio                   | 2,500,000:1                                                                                                                                                                                                                                                                |
| 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                      | 1.48:1 ~ 1.62:1                                                                                                                                                                                                                                                            |
| Projection distance (m)          | 0.98m - 9.8m                                                                                                                                                                                                                                                               |
| Zoom                             | 1.1                                                                                                                                                                                                                                                                        |
| Zoom type                        | Manual                                                                                                                                                                                                                                                                     |
| Focal length (mm)                | 21.86 ~ 24mm                                                                                                                                                                                                                                                               |
| 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 12V trigger, 1 x RJ45, 1 x 3D sync                                                                                                                |
| General                          |                                                                                                                                                                                                                                                                            |
| Noise level (min)                | 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                                                                                                                                                                                                                         |
| 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                     | 100V ~ 240V, 50-60Hz                                                                                                                                                                                                                                                       |
| Power consumption (standby)      | <0.5W                                                                                                                                                                                                                                                                      |
| Power consumption (min)          | 110W                                                                                                                                                                                                                                                                       |
| Power consumption (max)          | 150W                                                                                                                                                                                                                                                                       |
| Weight and dimensions            |                                                                                                                                                                                                                                                                            |
| Dimensions (W x D x H) mm        | 274 x 216 x 114                                                                                                                                                                                                                                                            |
| Gross weight                     | 4.3 kg                                                                                                                                                                                                                                                                     |
| Net weight                       | 2.9 kg                                                                                                                                                                                                                                                                     |