

# HZ45UST

## Laser 1080p Ultra Short Throw Projector

- Bright Full HD 1080p laser projector - 4200 ANSI Lumens
- Super-sized 100-inch images from only 30cm away from a flat surface or screen
- Enjoy live sports, TV shows and gaming in Full 1080p
- Easy to setup – multiple connectivity for digital devices and great sound from integrated speakers



Super-sized 100-inch images from 30cm Experience a super-sized 100-inch image with the HZ45UST placed less than 30cm away from a flat surface\* or screen. Laser technology provides accurate, true to life colour reproduction for movies, gaming and live sports. And with high brightness and low latency it is great for playing action-packed games in any room.

An integrated speaker provides you with great sound and two HDMI inputs enables an easy setup. You can even turn it into a smart projector by connecting a HDMI dongle like the Google Chromecast™, Amazon Fire Stick or Apple TV™ to play games, stream videos and share photos on the big screen in the comfort of your own home.

\*30cm measured from the back of the projector. Like all Ultra short projectors; to get a perfect image requires a completely flat surface. As most walls are not entirely flat, to avoid slight distortion to the top of the picture, you may need to install a screen onto your projection surface for a perfect image. If this is not possible, we suggest that for non-flat walls you might be better to use a short throw projector which can throw a 100" image from just over 1m".

## Display/image

|                                |                              |
|--------------------------------|------------------------------|
| Display technology             | DLP                          |
| Resolution                     | 1080p Full HD (1920x1080)    |
| Brightness                     | 4,200 lumens                 |
| Contrast ratio                 | 3,000,000:1                  |
| Native aspect ratio            | 16:10                        |
| Aspect ratio - compatible      | 4:3, 16:9                    |
| Keystone correction - vertical | 15                           |
| Horizontal scan rate           | 15.3 ~ 91.1Khz               |
| Vertical scan rate             | 24 ~ 85(120 for 3D)Hz        |
| Uniformity                     | 80%                          |
| Screen size                    | 2.21m - 2.59m (87in - 102in) |

## Lamp info

|              |              |
|--------------|--------------|
| Light source | Laser        |
| LASER life   | 20,000 hours |

## Optical

|                         |               |
|-------------------------|---------------|
| Throw ratio             | 0.25:1        |
| Projection distance (m) | 0.45m - 0.59m |
| Zoom type               | Fixed         |
| Focal length (mm)       | 3.72          |
| Native offset           | 120%          |

## Connectivity

|             |  |
|-------------|--|
| Connections | <b>Inputs</b> 2 x HDMI 1.4a 3D support, 2 x VGA (YPbPr/RGB), 1 x Composite video, 1 x Audio 3.5mm, 1 x Audio RCA L&R<br><b>Outputs</b> 1 x VGA shared with VGA2, 1 x Audio 3.5mm, 1 x USB-A power 2A<br><b>Control</b> 1 x RS232, 1 x RJ45, 1 x 12V trigger, 1 x mini USB service, 1 x USB-A reader/wireless |
|-------------|--|

## General

|                         |   |
|-------------------------|---|
| Noise level (typical)   | 30dB  |
| 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/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)   |
| 3D compatibility        | Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60  |
| 3D                      | Full 3D   |
| Security                | Security bar, Kensington Lock, Password protected interface   |
| OSD / display languages | 18 languages: Arabic, Danish, Dutch, English, Finnish, French, German, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Chinese (simplified), Spanish, Chinese (traditional), Turkish |
| Operating conditions    | 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m  |
| Remote control          | Yes   |
| Speaker count           | 1   |
| Watts per speaker       | 10W   |
| In the box              | AC power cord Remote control 2x AAA batteries Basic user manual   |

## Networking

|               |     |
|---------------|-----|
| LAN - control | Yes |
|---------------|-----|

## Power

|                             |                       |
|-----------------------------|-----------------------|
| Power supply                | 100 ~ 240V, 50 ~ 60Hz |
| Power consumption (standby) | 0.5W                  |
| Power consumption (max)     | 330W                  |

## Weight and dimensions

|                             |                 |
|-----------------------------|-----------------|
| Net weight                  | 5.6kg           |
| Dimensions (W x D x H) (mm) | 382 x 310 x 124 |

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