

## HD31UST

1080p ultra short throw home entertainment projector





- Lights on viewing bright 3400 lumens
- Ultra short throw lens 100" image from less than half a metre away
- Enjoy live sports, TV shows, games and movies in Full 1080p
- Easy to setup horizontal and vertical keystone and four corner adjustment

Experience a super-sized 100-inch image with this ultra short throw projector placed just 30cm away from a wall or screen. Perfect for live sports, TV shows, films and gaming with it's bright, razor sharp images with optimum colour performance even with the lights on.



## **Specifications**

| Display/image   |  |
|---|--|
| Display technology  | DLP™   |
|   |  |
| Resolution  | 1080p Full HD (1920x1080)  |
| Brightness  | 3,400 lumens   |
| Contrast ratio  | 28,000:1   |
| Native aspect ratio   | 16:9   |
| Aspect ratio - compatible   | 4:3,16:9   |
| Keystone correction -   | +/-4°  |
| horizontal  |  |
| Keystone correction -   | +/-4°  |
| vertical  |  |
| Horizontal scan rate  | 15.375 ~ 91.147Khz   |
| Vertical scan rate  | 24 ~ 85(120 for 3D)Hz  |
| Uniformity  | 80%  |
|   |  |
| Screen size   | 2.03m ~ 2.54m (80" ~ 100") diagonal  |
| Lamp info   |  |
| Light source type   | Lamp   |
| Lamp watts  | 240  |
| Lamp life hours (up to)   | 4000 (Bright), 12000 (Dynamic), 10000 (Eco), 15000 (Eco+)  |
| Optical   |  |
| Throw ratio   | 0.25:1   |
| Projection distance (m)   | 0.45m - 0.56m  |
|   |  |
| Zoom type   | Fixed  |
| Focal length (mm)   | 3.72   |
| Native offset   | 118%   |
| Connectivity  |  |
| Connections   | Inputs 1 x HDMI 1.4a 3D support + MHL, 1 x HDMI 1.4a   |
|   | 3D support, 1 x VGA (YPbPr/RGB), 1 x Composite video, 1  |
|   | x Audio 3.5mm, 2 x USB-A reader/wireless   |
|   | Outputs 1 x VGA, 1 x Audio 3.5mm   |
|   | Control 1 x RS232, 1 x RJ45  |
|   | CONTROL FATIOLOGY, FATIOTO   |
| General   |  |
| Noise level (typical)   | 26dB   |
| Noise level (max)   | 28dB   |
| 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,  |
| 2D compatibility  | 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  | Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack:   |
| 3D compatibility  |  |
| 20  | 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60  |
| 3D  | Full 3D  |
|   |  |
| •   | Security bar, Kensington Lock, Password protected interface  |
| •   | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,  |
| •   | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,  |
| •   | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,   |
| •   | 25 Ianguages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese   |
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| OSD / display languages<br>Operating conditions   | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese   |
| OSD / display languages<br>Operating conditions<br>Remote control   | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m   |
| OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count  | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(Irraditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m<br>Data remote with laser and mouse function   |
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| Security<br>OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count<br>Watts per speaker<br>In the box<br>Optional wireless models   | <ul> <li>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</li> <li>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function</li> <li>1</li> <li>16W</li> <li>AC power cord</li> <li>Remote control</li> <li>2x AAA batteries</li> </ul>  |
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| OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count<br>Watts per speaker<br>In the box<br>Optional wireless models<br>Networking<br>LAN - control  | 25 Ianguages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m<br>Data remote with laser and mouse function<br>1<br>16W<br>AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual<br>WHD200, WUSB  |
| OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count<br>Watts per speaker<br>In the box<br>Optional wireless models<br>Networking<br>LAN - control  | <ul> <li>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</li> <li>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m</li> <li>Data remote with laser and mouse function</li> <li>1</li> <li>16W</li> <li>AC power cord</li> <li>Remote control</li> <li>2x AAA batteries</li> <li>Basic user manual</li> <li>WHD200, WUSB</li> </ul>  |
| OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count<br>Watts per speaker<br>In the box<br>Optional wireless models<br>Networking<br>LAN - control<br>LAN - display   | 25 Ianguages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m<br>Data remote with laser and mouse function<br>1<br>16W<br>AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual<br>WHD200, WUSB  |
| OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count<br>Watts per speaker<br>In the box<br>Optional wireless models<br>Networking<br>LAN - control<br>LAN - display<br>Power  | 25 Ianguages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m<br>Data remote with laser and mouse function<br>1<br>16W<br>AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual<br>WHD200, WUSB  |
| OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count<br>Watts per speaker<br>In the box<br>Optional wireless models<br>Networking<br>LAN - control<br>LAN - control<br>LAN - display<br>Power<br>Power supply   | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m<br>Data remote with laser and mouse function<br>1<br>16W<br>AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual<br>WHD200, WUSB<br>Yes<br>Yes  |
| OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Optional wireless models Networking LAN - control LAN - display Power Power supply Power consumption   | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m<br>Data remote with laser and mouse function<br>1<br>16W<br>AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual<br>WHD200, WUSB<br>Yes<br>Yes  |
| OSD / display languages<br>Operating conditions<br>Remote control<br>Speaker count<br>Watts per speaker<br>In the box<br>Optional wireless models<br>Networking<br>LAN - control<br>LAN - display<br>Power<br>Power supply<br>Power consumption<br>(standby)  | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi,<br>Finnish, French, German, Greek, Hungarian, Indonesian,<br>Italian, Japanese, Norwegian, Polish, Portuguese, Romanian,<br>Russian, Chinese (simplified), Spanish, Swedish, Chinese<br>(traditional), Turkish, Vietnamese<br>5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m<br>Data remote with laser and mouse function<br>1<br>16W<br>AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual<br>WHD200, WUSB<br>Yes<br>Yes<br>100 ~ 240V, 50 ~ 60Hz<br>0.5W                 |
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