

# W319USTi

# **Ultra Short Throw Interactive Projection**

- TouchBeam finger touch interactive
- WXGA, super bright 3300 lumens
- Large shadow-free images from a short distance, powerful 16W built-in speaker
- Multiple connections including two HDMI inputs, RJ45 control and monitoring













# W319USTi

The W319USTi, is perfect for businesses, schools and colleges. It is bright (3300 lumens) and uses a new generation of TouchBeam finger-touch interactive technology, enabling several people to work simultaneously on the screen without using a pen. The throw ratio of 0.33:1 means that it can project a 100" image from less than 0.5m away. And having the projector installed so close to the screen avoids any shadows being cast across the screen from the presenter(s).

It provides a complete package for engaging learning with many new features, including two HDMI inputs, powered USB port, powerful 16W built-in speaker, improved lamp life, compact chassis and a completely new mounting system for a fast and simple set-up.

#### Ultra short throw



With an ultra-short throw lens, you can project an impressive image greater than 100" from just 55cm away. This allows you to place the projector closer to the wall, reducing shadows so you can present with ease; perfect for interactive applications.

### TouchBeam interactive technology

Optoma's TouchBeam finger-touch interactive technology enables several people to work simultaneously on the screen without using a pen. It is easy to draw, annotate, zoom and rotate images on the projected screen. You can even open documents or browse the web without touching your computer. Designed for businesses, schools and colleges, multiple touch points allow for a more natural and intuitive way of interacting with digital content.

# **High Contrast**

Add more depth to your image with a high contrast projector; with brighter whites and ultra-rich blacks, images come alive and text appears crisp and clear - ideal for business and education applications.

#### Full 3D

Optoma projectors can display true 3D content from almost any 3D source, including 3D Blu-ray players, 3D broadcasting and the latest generation games consoles. Support for 144Hz rapid refresh rate provides ultra-smooth flicker free images.



#### **Integrated Speaker**

The built-in speaker offers excellent audio support. Easy to set up without the need for costly external speakers

#### Eco+



Eco+ technology brings together high contrast, improved lamp life and energy saving features that are easy to use while reducing power consumption.

# **Energy Saving**

Using the specially designed lamp modes, you can reduce the power consumption by up to 70%. Each mode also has a positive effect on the lamp life, while lowering the total cost of ownership and reducing maintenance.

#### **Quick Resume**

This feature allows the projector to be instantly powered on again, if it is accidentally switched off.

#### **Auto Power Off**

There may be instances when the projector is left running when not in use. To help save energy, the "Auto Power Off" feature automatically turns off the projector after a set period of time if it is not being used

#### **Eco AV Mute**

Stay in control of your presentation with Eco AV mute. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also reduces the power consumption by up to 70%, further prolonging the life of your lamp.

## **Long Lamp Life**

Reduce the number of lamp changes with lamp life of up to 6500 hours

# **EPSON®** replacement adapter

Update your EPSON® ultra short throw projector with an Optoma UST projector without changing your existing mount or white board.



#### **Remote Mouse**

Keep your audience's attention focussed on the right things using the simple, yet powerful remote with USB mouse control.

# **Networking and Control**

Featuring a wide range of options you can remotely control and monitor the projector.

- RS232 Optoma projector's come with an extensive set of RS232 commands making it simple and easy to manage using any control system.
- AMX Compatibility Dynamic discovery protocol is incorporated into the projector allowing for easy installation with AMX control systems.
- LAN Control Using the compatible RoomView® software you can power on/off, monitor, manage and control up to 250 projectors at the same time from any computer.
  - Schedule the projectors to power on/off.
  - Control and alter the projector settings using the simple web browser.
  - Emergency text broadcast capabilities for urgent or important announcements.
  - Automatically receive email updates for lamp maintenance.







#### **Colour Guarantee**

Enjoy dazzling colours for years to come; guaranteed by Optoma for five years' consistent performance.





# **Amazing Colour**

Watch your movies, TV shows and play games with stunning colours in any environment. Optoma projectors provides you with reliable performance suitable for any content and environment. Our home projectors are capable of reproducing the Rec.709 colour gamut, the international HDTV standard to guarantee accurate reproduction of cinematic colour exactly as the director intended. Or more saturated colours for a punchy looking image, great for gaming and animated movies.





# **Wireless Presenting (optional extra)**

Making presentations couldn't be easier using the optional wireless features of the WPS Wireless Adapter (sold separately) - you can connect and display presentations wirelessly from a laptop, PC or mobile device.



## **USB Power**

Use the USB-Power to power an HDMI dongle, such as Google Chromecast or the Optoma WHD200 wireless HDMI device.

# **W319USTi Specification**

| Native Resolution         WKGA 1280 x 800           Rightness <sup>2</sup> (Bright Mode)         3300 ANSI Lumens           Contrast         18,000-1           Lamp Life <sup>2</sup> Ec++Dynamic/Eco/Bright/Education cycle         7000/8500/6000/4500/10000 (hrs)           Order         7000/8500/6000/4500/10000 (hrs)           Throw Ratio         2.7-1           Zoom Type         Fixed           Life Commetors         2.x HDMI (1.4 as D support), 2.x VGA (YPbPr/RCB). Composite, 2.x Audio in 3.5mm, Audio Out 3.5mm, VGA Out (Shared with VGA), R.446, R.8232, USB remote mouse/service, 1.2V trigger, Mic in, USB-A Power, 3D-Sync           Speaker         18           Keystone Correction         4.20* Vertical           Weight (bg)         4.63           Dimensions (W x D x H) (mm)         385 x 310 x 120           Aspect Ratio         18-10 Native, 16:34-3. Compatible           Offiset         115%           Projection Distance         2.16 - 2.22 m (85* - 115*) Diagonal 16:10           Projection Listance         6.72.41 + 5.27mm, Fixed Zoom           Uniformity         85%           Computer Compatibility         UXGA, SXGA, WGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         Video Compatibility         PLI (30 - 1 hrs. 30* Features of Optionar projectors can only be used with organised, SKY1* in the UK).           3D Compatibility   | Display Technology                                       | Single 0.65" WXGA DC3 DMD chip DLP® Technology by Texas Instruments  |
|---|--|--|
| Contrast   Contrast | Native Resolution  | WXGA 1280 x 800  |
| Contrast  | Brightness <sup>1</sup> (Bright Mode)                    | 3300 ANSI Lumens   |
| cycle         O.27:1           Zoom Type         Fixed           IV Connectors         2 x HDMI (1.4 a 3D support), 2 x VGA (YPbP/RGB), Composite, 2 x Audio in 3.5mm, Audio Out 3.5mm, VGA Out (Shared with VGA2), RJ45, RS232, USB remote mouse/service, 12V trigger, Mic In, USB-A Power, 3D-Sync           Speaker         16           Keystone Correction         4 20* Vertical           Weight (Kg)         4.63           Dimensions (W x D x H) (mm)         385 x 310 x 120           Aspect Ratio         16:10 Native, 16:9/4.3 Compatible           Offset         115%           Projection Screen ISze         2.16 – 2.92m (85* – 115*) Diagonal 16:10           Projection Distance         0.49 - 0.66m           Projection Lens         FZ.4, Fs.3.7zmm, Fixed Zoom           Projection Lens         FZ.4, Fs.3.7zmm, Fixed Zoom           Uniformity         85%           Compatibility         U.SGA, SKGA, WXGA, HD. XGA, SVGA, VGA, Mac           Video Compatibility         U.SGA, SKGA, WXGA, HD. XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B. D. G. H. I. M. N. 576i/p), NTSC (M. 4.43/3.58 MHz, 480i/p), SECAM (B. D. G. K. K. I. L) HD (1080i, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D tV broacdast systems, (SFY in the UK), Blu   |  | 18,000:1   |
| cycle         O.27:1           Zoom Type         Fixed           IV Connectors         2 x HDMI (1.4 a 3D support), 2 x VGA (YPbP/RGB), Composite, 2 x Audio in 3.5mm, Audio Out 3.5mm, VGA Out (Shared with VGA2), RJ45, RS232, USB remote mouse/service, 12V trigger, Mic In, USB-A Power, 3D-Sync           Speaker         16           Keystone Correction         4 20* Vertical           Weight (Kg)         4.63           Dimensions (W x D x H) (mm)         385 x 310 x 120           Aspect Ratio         16:10 Native, 16:9/4.3 Compatible           Offset         115%           Projection Screen ISze         2.16 – 2.92m (85* – 115*) Diagonal 16:10           Projection Distance         0.49 - 0.66m           Projection Lens         FZ.4, Fs.3.7zmm, Fixed Zoom           Projection Lens         FZ.4, Fs.3.7zmm, Fixed Zoom           Uniformity         85%           Compatibility         U.SGA, SKGA, WXGA, HD. XGA, SVGA, VGA, Mac           Video Compatibility         U.SGA, SKGA, WXGA, HD. XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B. D. G. H. I. M. N. 576i/p), NTSC (M. 4.43/3.58 MHz, 480i/p), SECAM (B. D. G. K. K. I. L) HD (1080i, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D tV broacdast systems, (SFY in the UK), Blu   | Lamp Life <sup>2</sup> Eco+/Dynamic/Eco/Bright/Education | 7000/6500/6000/4500/10000 /hrs)  |
| Fixed   |  | 700/0300/000/4300/10000 (ilis)   |
| ZV HDMI (1.4a 3D support), 2 x VGA (YPDP/IRCB), Composite, 2 x Audio In 3.5mm, Audio Out 3.5mm, VGA Out (Shared with VGA2), R.145, RS232, USB remote mouse/service, 12V trigger, Mic In, USB-A Power, 3D-Sync   | Throw Ratio  | 0.27:1   |
| VGA2 , RJ45, RS232, USB remote mouse/service, 12V trigger, Mic In, USB-A Power, 3D-Sync Speaker   16  | Zoom Type  | Fixed  |
| Keyston Correction         ± 20" Vertical           Weight (kg)         4.63           Dimensions (W x D x H) (mm)         385 x 310 x 120           Aspect Ratio         16:10 Native, 16:94:3 Compatible           Offset         115%           Projection Screen Size         2.16 - 2.92m (85" – 115") Diagonal 16:10           Projection Lens         56.4 (+3.72mm, Fixed Zoom           Uniformity         85%           Computer Compatibility         UXGA, SXGA, WXGA, HD, XGA, SVGA, WGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 576"µ), NTSC (M, 44.33,5.8 MHz, 480"µ), SECAM (B, D, G, K, K1, L) HD (1080), 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems, 3D TV broadcast systems, (SKY in the UK), 8lu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.           3D Compatibility         Side-by-Side-1080150 / 60, 720;50 / 60           Frame-pack: 1080;24, 720;50 / 60         Frame-pack: 1080;24, 720;50 / 60           Horizontal Scan Rate         24 - 85Hz (120Hz for 3D)           Horizontal Scan Rate         24 - 85Hz (120Hz for 3D)           Power Supply         100 - 240V, 50-60Hz           Power Supply         100 - 240V, 50-60Hz           Power Consump   | I/O Connectors   |  |
| Weight (kg)         4.63           Dimensions (W x D x H) (mm)         385 x 310 x 120           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         115%           Projection Screen Size         2.16 - 2.92m (85° - 115°) Diagonal 16:10           Projection Distance         0.49 - 0.66m           Projection Lens         Fi2.4; F-3.72mm, Fixed Zoom           Uniformity         85%           Computer Compatibility         UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 30 educational or 3D design and modelling systems systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.           3D Compatibility         Side-by-Side-1080150 / 60, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60           Vertical Scan Rate         15.3 • 91.1kHz           Vertical Scan Rate         24 • 58t+2 (120Hz for 3D)           Displayable Colours         1.07 Billion           Noise Level (Eco mode)         28dB           Power Supply   | Speaker  | 16   |
| Dimensions (W x D x H) (mm)   385 x 310 x 120   | Keystone Correction                                      | ± 20° Vertical   |
| Aspect Ratio   16:10 Native, 16:94:3 Compatible   |  | 4.63   |
| Offset         115%           Projection Screen Size         2.16 – 2.92m (85" – 115") Diagonal 16:10           Projection Distance         0.49 - 0.66m           Projection Lens         F/2 4; 1=3.72mm, Fixed Zoom           Uniformity         85%           Computer Compatibility         UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 576irp), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.           3D Compatibility         Side-by-Side:1080i50 / 60, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60           Power Linder: 1080p24, 720p50 / 60           Power Linder: 1080p24, 720p50 / 60           Vertical Scan Rate         24 - 85Hz (120Hz for 3D)           Displayable Colours         1.07 Billion           Noise Level (Eco mode)         26dB           Power Consumption         235W Bright mode / 200W Eco mode (< 0.5W Standby)   | Dimensions (W x D x H) (mm)                              | 385 x 310 x 120  |
| Projection Screen Size         2.16 – 2.92m (85" – 115") Diagonal 16:10           Projection Distance         0.49 - 0.68m           Projection Distance         F/2 4; Fe3.72mm, Fixed Zoom           Uniformity         85%           Computer Compatibility         UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 576/p), NTSC (M, 4.43/3.58 MHz, 480/p), SECAM (B, D, G, K, K1, L) HD (10801, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.           3D Compatibility         Side-by-Side:1080160 / 60, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60           Horizontal Scan Rate         15.3 - 91.1kHz           Vertical Scan Rate         24 - 85Hz (120Hz for 3D)           Displayable Colours         1.07 Billion           Noise Level (Eco mode)         28dB           Power Consumption         235W Bright mode / 200W Eco mode (< 0.5W Standby)  | Aspect Ratio   | 16:10 Native, 16:9/4:3 Compatible  |
| Projection Distance         0.49 - 0.68m           Projection Lens         F72.4; f=3.72mm, Fixed Zoom           Uniformity         85%           Computer Compatibility         UXGA, SKGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 576l/p), NTSC (M, 4.43/3.58 MHz, 480l/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.           3D Compatibility         Side-by-Side:1880i60 / 60, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60         Prame-pack: 1080p24, 720p50 / 60           Horizontal Scan Rate         15.3 - 91.1kHz           Vertical Scan Rate         24 - 85Hz (120Hz for 3D)           Displayable Colours         1.07 Billion           Noise Level (Eco mode)         26dB           Power Supply         100-240V; 50-60Hz           Power Supply         100-240V; 50-60Hz           Power Consumption         235W Bright mode / 200W Eco mode (<0.5W Standby)   | Offset   | 115%   |
| Projection Lens         F/2.4; f=3.72mm, Fixed Zoom           Uniformity         85%           Computer Compatibility         UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 576/p), NTSC (M, 4.43/3.58 MHz, 480/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.           3D Compatibility         Side-by-Side:1080/50 / 60, 720p50 / 60           Frame-pack: 1080/50 / 60, 720p50 / 60           Over-Under: 1080/p24, 720p50 / 60           Over-Under: 1080/p24, 720p50 / 60           Vertical Scan Rate         15.3 - 91 / 1kHz           Vertical Scan Rate         24 - 85Hz (120Hz for 3D)           Displayable Colours         1.07 Billion           Noise Level (Eco mode)         26dB           Power Consumption         235W Bright mode / 200W Eco mode (< 0.5W Standby)   | Projection Screen Size                                   | 2.16 – 2.92m (85" – 115") Diagonal 16:10   |
| Uniformity 85% Computer Compatibility UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility PAL (B, D, G, H, I, M, N, 576/p), NTSC (M, 4.43/3.58 MHz, 480/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p) 3D Support Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D <sup>TM</sup> and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.  3D Compatibility Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Horizontal Scan Rate 15.3 - 91.1kHz Vertical Scan Rate 24 - 88Hz (120Hz for 3D) Displayable Colours 1.07 Billion Noise Level (Eco mode) 26dB Power Supply 100-240V, 50-80Hz Power Consumption 235W Bright mode / 200W Eco mode (< 0.5W Standby) Lamp Type 190W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security Security Joar, Kensington lock, password protection On Screen Display 25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian Standard Accessories 3D glasses, wireless, wall mount Optional Wireless Ves Warranty 3  | Projection Distance                                      | 0.49 - 0.66m   |
| Computer Compatibility         UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 576/Ip), NTSC (M, 4.43/3.58 MHz, 480/Ip), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.           3D Compatibility         Side-by-Side:1080160 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1  | Projection Lens  | F/2.4; f=3.72mm, Fixed Zoom  |
| Video Compatibility       PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)         3D Support       Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modecast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.         3D Compatibility       Side-by-Side:1080150 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60         Horizontal Scan Rate       15.3 - 91.1kHz         Vertical Scan Rate       24 - 85Hz (120Hz for 3D)         Displayable Colours       1.07 Billion         Noise Level (Eco mode)       26dB         Power Supply       100-240V, 50-60Hz         Power Consumption       235W Bright mode / 200W Eco mode (< 0.5W Standby)  | Uniformity   | 85%  |
| Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D <sup>-</sup> and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.  3D Compatibility  Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Horizontal Scan Rate  15.3 - 91.1kHz  Vertical Scan Rate  15.3 - 91.1kHz  Vertical Scan Rate  24 + 85Hz (120Hz for 3D) Displayable Colours  1.07 Billion Noise Level (Eco mode) 26dB Power Supply  100-240V, 50-60Hz Power Consumption 235W Bright mode / 200W Eco mode (< 0.5W Standby) Lamp Type 190W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security bar, Kensington lock, password protection On Screen Display  25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories 3D glasses, wireless, wall mount Optional Wireless Yes  Warranty 3   | Computer Compatibility                                   | UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac  |
| with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.  3D Compatibility Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60  Horizontal Scan Rate 15.3 - 91.1kHz Vertical Scan Rate 24 - 85Hz (120Hz for 3D) Displayable Colours 1.07 Billion Noise Level (Eco mode) 26dB Power Supply 100-240V, 50-60Hz Power Consumption 235W Bright mode / 200W Eco mode (< 0.5W Standby) Lamp Type 190W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security bar, Kensington lock, password protection On Screen Display 25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian Standard Accessories 3D glasses, wireless, wall mount Optional Wireless Yes Warranty 3   |  |  |
| Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Horizontal Scan Rate 15.3 - 91.1kHz Vertical Scan Rate 24 - 85Hz (120Hz for 3D) Displayable Colours 1.07 Billion Noise Level (Eco mode) 26dB Power Supply 100-240V, 50-60Hz Power Consumption 235W Bright mode / 200W Eco mode (< 0.5W Standby) Lamp Type 190W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security bar, Kensington lock, password protection On Screen Display 25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian Standard Accessories AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens Optional Accessories Yes Warranty 3   | 3D Support   | with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a |
| Vertical Scan Rate 24 - 85Hz (120Hz for 3D)  Displayable Colours 1.07 Billion  Noise Level (Eco mode) 26dB  Power Supply 100-240V, 50-60Hz  Power Consumption 235W Bright mode / 200W Eco mode (< 0.5W Standby)  Lamp Type 190W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security Security Ar, Kensington lock, password protection  On Screen Display 25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories 3D glasses, wireless, wall mount  Optional Wireless Yes  Warranty 3  | 3D Compatibility   | Frame-pack: 1080p24, 720p50 / 60   |
| Displayable Colours  1.07 Billion  Noise Level (Eco mode)  26dB  Power Supply  100-240V, 50-60Hz  Power Consumption  235W Bright mode / 200W Eco mode (< 0.5W Standby)  Lamp Type  190W  Operating Conditions  5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security  Security  Security  Security bar, Kensington lock, password protection  On Screen Display  25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories  AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories  3D glasses, wireless, wall mount  Optional Wireless  Yes  Warranty  3  | Horizontal Scan Rate                                     | 15.3 - 91.1kHz   |
| Noise Level (Eco mode)  Power Supply  100-240V, 50-60Hz  Power Consumption  235W Bright mode / 200W Eco mode (< 0.5W Standby)  Lamp Type  190W  Operating Conditions  5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security  Security bar, Kensington lock, password protection  On Screen Display  25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories  AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories  3D glasses, wireless, wall mount  Optional Wireless  Yes  Warranty  3   | Vertical Scan Rate                                       | 24 - 85Hz (120Hz for 3D)   |
| Power Supply 100-240V, 50-60Hz Power Consumption 235W Bright mode / 200W Eco mode (< 0.5W Standby)  Lamp Type 190W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security Security Security bar, Kensington lock, password protection  On Screen Display 25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories 3D glasses, wireless, wall mount  Optional Wireless Yes  Warranty 3   | Displayable Colours                                      | 1.07 Billion   |
| Power Consumption  235W Bright mode / 200W Eco mode (< 0.5W Standby)  Lamp Type  190W  Operating Conditions  5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security  Security bar, Kensington lock, password protection  On Screen Display  25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories  AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories  3D glasses, wireless, wall mount  Optional Wireless  Yes  Warranty  3  | Noise Level (Eco mode)                                   | 26dB   |
| Lamp Type 190W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security bar, Kensington lock, password protection On Screen Display 25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories 3D glasses, wireless, wall mount Optional Wireless Yes  Warranty 3   | Power Supply   | 100-240V, 50-60Hz  |
| Operating Conditions       5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m         Security       Security bar, Kensington lock, password protection         On Screen Display       25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian         Standard Accessories       AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens         Optional Accessories       3D glasses, wireless, wall mount         Optional Wireless       Yes         Warranty       3  | Power Consumption  | 235W Bright mode / 200W Eco mode (< 0.5W Standby)  |
| Security Security bar, Kensington lock, password protection On Screen Display 25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories 3D glasses, wireless, wall mount  Optional Wireless Yes  Warranty 3  |  | 190W   |
| On Screen Display  25 Languages: English, German, French, Italian, Spanish, Portuguese, Swedish, Dutch, Norwegian/Danish, Polish, Russian, Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories  AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories  3D glasses, wireless, wall mount  Optional Wireless  Yes  Warranty  3   | Operating Conditions                                     | 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m   |
| Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi, Romanian, Slovenian  Standard Accessories  AC power cord, USB cable, remote control, batteries, quick start card, CD user manual, TouchBeam interactive module, 2 x passive pens  Optional Accessories  3D glasses, wireless, wall mount  Optional Wireless  Yes  Warranty  3  | Security   | Security bar, Kensington lock, password protection   |
| passive pens  Optional Accessories 3D glasses, wireless, wall mount  Optional Wireless Yes  Warranty 3  | On Screen Display  | Finnish, Greek, Hungarian, Czech, Arabic, Traditional Chinese, Simplified Chinese, Japanese, Korean, Thai, Turkish, Farsi,   |
| Optional Wireless Yes Warranty 3  | Standard Accessories                                     |  |
| Warranty 3  | Optional Accessories                                     | 3D glasses, wireless, wall mount   |
|   | Optional Wireless  | Yes  |
| RoHS Compliant  | Warranty   | 3  |
|   | RoHS   | Compliant  |



# Optoma Europe Ltd. 42 Caxton Way, Watford Business Park, Watford, Hertfordshire, UK. WD18 8QZ www.optoma.co.uk

<sup>1</sup>Lamp based projectors brightness and lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. LED projectors do not have a replaceable lamp and the brightness does not decay significantly over the product lifetime.

 $^2$ Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions

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