

# H182X

# Super-sized home entertainment

- Bright vivid colours 3,200 ANSI lumens
- Full 3D and HD Ready 720p
- High contrast 23,000:1 contrast ratio
- Easy connectivity HDMI and built-in speaker

















# H182X

Created for home entertainment, the bright H182X is perfect for watching TV shows, sports and movies or playing action-packed games on a huge screen.

With a built-in speaker and HDMI input the H182X is easy to setup and use.

#### 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.



# HD Ready 720p

HD Ready resolution gives you sharp and detailed images from HD content without downscaling or compression; perfect for watching high definition movies, TV shows and playing video games.



#### **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.

#### **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.





#### **Color Guarantee**

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





### **Integrated Speaker**

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

# **Long Lamp Life**

The expected lifetime of a typical Optoma projector lamp is an impressive 7000 hours; so if you watch a two hour movie every day, the lamp should last over 9 years.

#### 24p

Most movies are shot at 24 frames per second (fps). To preserve the purity of the original image, Optoma projectors can accept high definition sources at 24 fps to display movies exactly as the director intended

# **H182X Specification**

Speaker         2           Keystone Correction         ± 40° Vertical           Weight (kg)         2.35           Dimensions (W x D x H) (mm)         315 x 224 x 102           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         11:5%           Projection Screen Size         0.69 − 7.62m (27.2" to 300") Diagonal 16:10           Projection Lens         17:25 −2.67; f=21.8~23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UKGA, XSGA, XGA, SVGA, VGA, Mac           Video Compatibility         D. A. (B, D, G, K, K1, L, 4.25,MHz, 4.44MHz), 576i/p, 720p(50/60Hz), 1080(50/60Hz) 1080p(24/50/60Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications inclused with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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, 7.20p50 / 60           Frame-pack: 1080p24, 720p50 / 60           Over-Under: 1080p24, 720p50 / 60           Over-Under: 1080p24, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60           Over-Under: 1080p24, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60           Over-Under: 1080p24, 720	Display Technology	Single 0.65" WXGA DC3 DMD chip DLP® Technology by Texas Instruments
Contrast	Native Resolution	WXGA 1280 x 800
Lamp Life <sup>2</sup> Eco+/Dynamic/Eco/Bright 7000/5500/6000/5000 (hrs)  Throw Ratio 1.55 − 1.7:1  Zoom Type 1.1x Manual  I/O Connectors HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio In 3.5mm, Audio Out 3.5mm, RS232, USB ser Speaker 2  Keystone Correction ± 40° Vertical  Weight (kg) 2.35  Dimensions (W x D x H) (mm) 315 x 224 x 102  Aspect Ratio 16:10 Native, 16:94:3 Compatible  Offset 115%  Projection Screen Size 0.69 − 7.62m (27.2° to 300°) Diagonal 16:10  Projection Instance 1− 10m  Projection Lens F/2.5~2.67; F=21.8~23.98mm, 1.1x Manual Zoom  Uniformity 80%  Computer Compatibility UXGA, SXGA, XGA, SVGA, VGA, Mac  Computer Compatibility UXGA, SXGA, XGA, SVGA, VGA, Mac  Compatibility PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576/ip, 7209(50/60Hz), 1080/(50/60Hz), 1080/(50/60Hz) 1080/(24/50/60Hz)  3D Support Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications incluse with 3D educational or 3D design and modelling systems. 3D TV broadcast systems. (SRY in the UK), Blur-ay 3D™ and games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.  3D Compatibility Side-9-Side:1080050 / 60, 720950 / 60  Over-Under: 1080p24, 720p50 / 60  Frame-pack: 1080p24, 720p50 / 60  Frame-pack: 1080p24, 720p50 / 60  Over-Under: 1080p24, 720p50 / 60  Power Supply 100-240V, 50-60Hz  Power Consumption 225W Bright mode / 191W Eco mode (< 0.5W Standby)  Lamp Type 190W	Brightness <sup>1</sup> (Bright Mode)	3200 ANSI Lumens
Throw Ratio         1.55 - 1.7:1           Zoom Type         1.1x Manual           I/O Connectors         HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio In 3.5mm, Audio Out 3.5mm, RS232, USB ser           Speaker         2           Keystone Correction         ± 40° Vertical           Weight (kg)         2.35           Dimensions (W x D x H) (mm)         315 x 224 x 102           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         115%           Projection Screen Size         0.69 − 7.62m (27.2° to 300°) Diagonal 16:10           Projection Distance         1 − 10m           Projection Lens         F7.25-2.67; f=21.8~23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, SXGA, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 10	Contrast	23,000:1
Throw Ratio         1.55 - 1.7:1           Zoom Type         1.1x Manual           I/O Connectors         HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio In 3.5mm, Audio Out 3.5mm, RS232, USB ser           Speaker         2           Keystone Correction         ± 40° Vertical           Weight (kg)         2.35           Dimensions (W x D x H) (mm)         315 x 224 x 102           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         115%           Projection Screen Size         0.69 − 7.62m (27.2° to 300°) Diagonal 16:10           Projection Distance         1 − 10m           Projection Lens         F7.25-2.67; f=21.8~23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, SXGA, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 10	Lamp Life <sup>2</sup> Eco+/Dynamic/Eco/Bright	7000/6500/6000/5000 (hrs)
DO Connectors		1.55 – 1.7:1
Speaker         2           Keystone Correction         ± 40" Vertical           Weight (kg)         2.35           Dimensions (W x D x H) (mm)         315 x 224 x 102           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         11:5%           Projection Screen Size         0.69 − 7.62m (27.2" to 300") Diagonal 16:10           Projection Lens         Fr.25 −2.67; f=21.8~23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, XXGA, XGA, VGA, VGA, Mac           Video Compatibility         D. M. J. M. A. M. A. M. M. M. M. M. M. TSC (M. J. 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080(50/60Hz) 1080p(24/50/60Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications inclue with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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(50/6) (40, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60         Over-Under: 1080p24, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60         Over-Under: 1080p24, 720p50 / 60           Horizontal Scan Rate         24 - 85Hz           Displayable Colours         1073.4 Mill	Zoom Type	1.1x Manual
Keystone Correction         ± 40° Vertical           Weight (kg)         2.35           Dimensions (W x D x H) (mm)         315 x 224 x 102           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         115%           Projection Distance         0.69 − 7.62m (27.2" to 300") Diagonal 16:10           Projection Lens         1 − 10m           Projection Lens         F/2.5-2.67; f=21.8-23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, SXGA, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.44MHz, 576/p, 720p(50/60Hz), 1080p(24/76/060Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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: 1080p24, 720p50 / 60         Over-Under: 1080p24, 720p50 / 60           Horizontal Scan Rate         15.3 - 91.1kHz           Vertical Scan Rate         24 - 85Hz           Displayable Colours         1073.4 Million <t< td=""><td>I/O Connectors</td><td>HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio In 3.5mm, Audio Out 3.5mm, RS232, USB service</td></t<>	I/O Connectors	HDMI (1.4a 3D support), VGA (YPbPr/RGB), S-Video, Composite, Audio In 3.5mm, Audio Out 3.5mm, RS232, USB service
Weight (kg)         2.35           Dimensions (W x D x H) (mm)         315 x 224 x 102           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         115%           Projection Screen Size         0.69 − 7.62m (27.2" to 300") Diagonal 16:10           Projection Lens         F/2.5−2.67; f=21.8−23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, SXGA, XGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.44MHz, 576½p, 720p(50/60Hz), 1080p(24/50/60Hz) 1080p(24/50/60Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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 f 60, 720p50 / 60           Frame-pack: 1080p24, 720p50 / 60         Over-Under: 1080p24, 720p50 / 60           Horizontal Scan Rate         15.3 • 91.14Hz           Vertical Scan Rate         24 • 85Hz           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         29dB           Power Supply         100-240V, 50-60Hz      <	Speaker	2
Dimensions (W x D x H) (mm)         315 x 224 x 102           Aspect Ratio         16:10 Native, 16:9/4:3 Compatible           Offset         115%           Projection Screen Size         0.69 - 7.62m (27.2" to 300") Diagonal 16:10           Projection Distance         1 - 10m           Projection Lens         F/2.5~2.67; f=21.8~23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, SXGA, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576/i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications included with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and games from the Sonyè 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         Orer-Under: 1080p24, 720p50 / 60           Horizontal Scan Rate         15.3 - 91.1kHz         15.3 - 91.1kHz           Vertical Scan Rate         15.3 - 91.1kHz         24 - 88Hz           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         29dB           Power Supply         100-240V, 50-60Hz	Keystone Correction	± 40° Vertical
Aspect Ratio Offset 115% Offset 115% Projection Screen Size 0.69 − 7.62m (27.2" to 300") Diagonal 16:10 Projection Distance 1 − 10m Projection Lens F/2.5−2.67; f=21.8~23.98mm, 1.1x Manual Zoom Uniformity 80% Computer Compatibility Video Compatibility PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz) 3D Support Pull 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications inclur with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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 24 - 85Hz Displayable Colours Noise Level (Eco mode) 29dB Power Supply 100-240V, 50-60Hz Power Consumption 225W Bright mode / 191W Eco mode (< 0.5W Standby) Lamp Type Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Weight (kg)	2.35
Offset         115%           Projection Screen Size         0.69 − 7.62m (27.2" to 300") Diagonal 16:10           Projection Distance         1 − 10m           Projection Lens         F72.5 − 2.67; f= 21.8 ~ 23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, XGA, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576lp, 720p(50/60Hz), 1080l(50/60Hz) 1080p(24/50/60Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications inclus with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         29dB           Power Supply         100-240V, 50-60Hz           Power Consumption         225W Bright mode / 191W Eco mode (< 0.5W Standby)	Dimensions (W x D x H) (mm)	315 x 224 x 102
Projection Screen Size         0.69 − 7.62m (27.2" to 300") Diagonal 16:10           Projection Distance         1 − 10m           Projection Lens         F/2.5~2.67; f=21.8~23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, SXGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576l/p, 720p(50/60Hz), 1080l(50/60Hz) 1080p(24/50/60Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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         Frame-pack: 1080p24, 720p50 / 60           Horizontal Scan Rate         15.3 - 91.1kHz           Vertical Scan Rate         24 - 85Hz           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         29dB           Power Consumption         225W Bright mode / 191W Eco mode (< 0.5W Standby)	Aspect Ratio	16:10 Native, 16:9/4:3 Compatible
Projection Distance         1 − 10m           Projection Lens         F/2.5~2.67; f=21.8~23.98mm, 1.1x Manual Zoom           Uniformity         80%           Computer Compatibility         UXGA, SXGA, XGA, SVGA, VGA, Mac           Video Compatibility         PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)           3D Support         Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications included with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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         Frame-pack: 1080p24, 720p50 / 60           Horizontal Scan Rate         15.3 - 91.1kHz           Vertical Scan Rate         24 - 85Hz           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         29dB           Power Consumption         225W Bright mode / 191W Eco mode (< 0.5W Standby)	Offset	115%
Projection Lens	Projection Screen Size	0.69 – 7.62m (27.2" to 300") Diagonal 16:10
Uniformity 80% Computer Compatibility UXGA, SXGA, XGA, SVGA, VGA, Mac Video Compatibility PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)  3D Support Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D and 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 24 - 85Hz Displayable Colours 1073.4 Million Noise Level (Eco mode) 29dB Power Supply 100-240V, 50-60Hz Power Consumption 225W Bright mode / 191W Eco mode (< 0.5W Standby) Lamp Type 190W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Projection Distance	1 – 10m
Computer CompatibilityUXGA, SXGA, XGA, SVGA, VGA, MacVideo CompatibilityPAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080l(50/60Hz) 1080p(24/50/60Hz)3D SupportFull 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.3D CompatibilitySide-by-Side:1080i50 / 60, 720p50 / 60Frame-pack: 1080p24, 720p50 / 60Over-Under: 1080p24, 720p50 / 60Horizontal Scan Rate15.3 - 91.1kHzVertical Scan Rate24 - 85HzDisplayable Colours1073.4 MillionNoise Level (Eco mode)29dBPower Consumption225W Bright mode / 191W Eco mode (< 0.5W Standby)	Projection Lens	F/2.5~2.67; f=21.8~23.98mm, 1.1x Manual Zoom
Video Compatibility  PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)  3D Support  Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications includ with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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  24 - 85Hz  Displayable Colours  1073.4 Million  Noise Level (Eco mode)  Power Supply  100-240V, 50-60Hz  Power Consumption  225W Bright mode / 191W Eco mode (< 0.5W Standby)  Lamp Type  190W  Operating Conditions  5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Uniformity	80%
576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)  3D Support  Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications includ with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 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  Horizontal Scan Rate  15.3 - 91.1kHz  Vertical Scan Rate  24 - 85Hz  Displayable Colours  1073.4 Million  Noise Level (Eco mode) 29dB  Power Supply  100-240V, 50-60Hz  Power Consumption 225W Bright mode / 191W Eco mode (< 0.5W Standby)  Lamp Type 190W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Computer Compatibility	UXGA, SXGA, 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 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  24 - 85Hz Displayable Colours Noise Level (Eco mode)  Power Supply  100-240V, 50-60Hz  Power Consumption  225W Bright mode / 191W Eco mode (< 0.5W Standby)  Lamp Type  190W  Operating Conditions  5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Video Compatibility	PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)
Frame-pack: 1080p24, 720p50 / 60         Horizontal Scan Rate       15.3 - 91.1kHz         Vertical Scan Rate       24 - 85Hz         Displayable Colours       1073.4 Million         Noise Level (Eco mode)       29dB         Power Supply       100-240V, 50-60Hz         Power Consumption       225W Bright mode / 191W Eco mode (< 0.5W Standby)	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.
Vertical Scan Rate         24 - 85Hz           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         29dB           Power Supply         100-240V, 50-60Hz           Power Consumption         225W Bright mode / 191W Eco mode (< 0.5W Standby)	3D Compatibility	Frame-pack: 1080p24, 720p50 / 60
Displayable Colours 1073.4 Million  Noise Level (Eco mode) 29dB  Power Supply 100-240V, 50-60Hz  Power Consumption 225W Bright mode / 191W Eco mode (< 0.5W Standby)  Lamp Type 190W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Horizontal Scan Rate	15.3 - 91.1kHz
Noise Level (Eco mode)  Power Supply  100-240V, 50-60Hz  Power Consumption  225W Bright mode / 191W Eco mode (< 0.5W Standby)  Lamp Type  190W  Operating Conditions  5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Vertical Scan Rate	24 - 85Hz
Power Supply 100-240V, 50-60Hz Power Consumption 225W Bright mode / 191W Eco mode (< 0.5W Standby) Lamp Type 190W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Displayable Colours	1073.4 Million
Power Consumption 225W Bright mode / 191W Eco mode (< 0.5W Standby)  Lamp Type 190W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Noise Level (Eco mode)	29dB
Lamp Type190WOperating Conditions5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Power Supply	100-240V, 50-60Hz
Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m	Power Consumption	225W Bright mode / 191W Eco mode (< 0.5W Standby)
	Lamp Type	190W
Security Security bar Kensington lock password protection	Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
County but, from ingrom both, padomora protoculon	Security	Security bar, Kensington lock, password protection
On Screen Display  19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi and Arabic.	On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi and Arabic.
Standard Accessories AC power cord, remote control, battery, quick start card, CD user manuall	Standard Accessories	
Optional Accessories DLP® Link™ 3D glasses, wireless, ceiling mount	Optional Accessories	DLP® Link™ 3D glasses, wireless, ceiling mount
Optional Wireless Yes	Optional Wireless	Yes
RoHS Compliant	RoHS	Compliant



#### Optoma Europe Ltd.

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<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. <sup>2</sup>Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. DLP®, and the DLP logo are registered trademarks of Texas Instruments. All other product names and company names used herein are for identifications purposes only and may be trademarks or registered trademarks of their respective owners. All images of products are for representation purposes only. Whilst every care is taken to provide accurate images of our products, actual products may differ slightly. Some product images may have been digitally altered by us to add an Optoma logo to the front panel. Optoma reserves the right to amend or alter actual product or product images without notice. Some images may have been simulated. Errors and omissions excepted, all specifications are subject to change without notice. Copyright © 2014, Optoma Europe Ltd.

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