

# UHD550X

# Immerse yourself in Ultra High Definition

- 4K UHD resolution and HDR compatible
- Amazing colour accurate Rec.709 colours, 2800 ANSI lumens
- Easy connectivity HDMI 2.0, HDCP 2.2, S/PDIF, 2x 4W speakers
- Easy installation vertical lens shift















## **UHD550X**

Immerse yourself in a world of Ultra HD. The UHD550X delivers the ultimate in home entertainment with impressive 4K cinema quality images. TV, gaming and movie fans can now enjoy excellent colour depth, crystal clear detail, and sparkling contrast for a stunningly immersive experience.

Packed with the latest technology and features, the stylish UHD550X boasts High Dynamic Range (HDR) compatibility, HDCP 2.2 support and includes an integrated speaker that provides powerful sound. Bright 2800 lumen images and easy set-up means you can enjoy life-like big-screen entertainment in any living space.

### **Specification**

Native Resolution UHD (3840x2160)  Brightness <sup>1</sup> (Bright Mode) 2800 ANSI Lumens Contrast 500,000:1  Lamp Life <sup>2</sup> Dynamic/Eco/Bright 15000/10000/4000 (hrs) Throw Ratio 1.39 - 2.22:1  Zoom Type 1.6x Manual Lens Shift Vertical: +15% I/O Connectors HDMI (2.0, HDMI, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio Out 3.5mm, RJ45, RS232, USB-A Power (1.5A), USB service, 12V trigger Speaker 2x4 Weight (kg) 7.8 Dimensions (W x D x H) (mm) 498 x 331 x 141 Aspect Ratio 16: Native, 4:3 Compatible Projection Screen Size 0.67 * 7.88m (26.45* * 302.2*) Diagonal 16:9 Projection Screen Size 0.67 * 7.88m (26.45* * 302.2*) Diagonal 16:9 Projection Lens F/2,5-3.26; f=20.91-32.62mm Uniformity 85% Maximum Resolution 2160p Computer Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WUXGA, FHD, UXGA, SVGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility UHD, WOHD, WOHD, WUXGA, FHD, UXGA, SV	Display Technology	DLP
Son	Native Resolution	UHD (3840x2160)
Lamp Life <sup>2</sup> Dynamic/Eco/Bright	Brightness <sup>1</sup> (Bright Mode)	2800 ANSI Lumens
Throw Ratio   1.39 - 2.22:1   2.20m Type   1.8x Manual   2.0m Type	Contrast	500,000:1
Throw Ratio   1.39 - 2.22:1   2.20m Type   1.8x Manual   2.0m Type	Lamp Life <sup>2</sup> Dynamic/Eco/Bright	15000/10000/4000 (hrs)
Lens Shift         Vertical: +15%           I/O Connectors         HDMI 2.0, HDMI, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio Out 3.5mm, RJ45, RS232, USB-A Power (1.5A), USB service, 12V trigger           Speaker         2x 4           Weight (kg)         7.8           Dimensions (W x D x H) (mm)         498 x 331 x 141           Aspect Ratio         16:9 Native, 4:3 Compatible           Projection Screen Size         0.67 - 7.68m (26.45" - 302.2") Diagonal 16:9           Projection Distance         1.3 - 9.3m           Projection Lens         Ff.2.5~3.26 (=20.91~32.62mm           Uniformity         85%           Maximum Resolution         2160p           Computer Compatibility         UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         440ly, 576ly, 720p(50/60Hz), 1080l(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz)           Input Lag (ms)         33           Horizontal Scan Rate         31~135KHz           Vertical Scan Rate         31~135KHz           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         25dB           Power Supply         Input: 110 - 220v           Power Consumption         305W Bright mode / 249W Eco mode (< 0.5W Standby)		1.39 - 2.22:1
HDMI 2.0, HDMI, VGA (RGB/YPbPr), Audio in 3.5mm, Audio out S/PDIF, Audio Out 3.5mm, RJ45, RS232, USB-A Power (1.5A), USB service, 12V trigger   Speaker	Zoom Type	1.6x Manual
(1,5A), USB service, 12V trigger   2x 4	Lens Shift	Vertical: +15%
Weight (kg)	I/O Connectors	
Dimensions (W x D x H) (mm)         498 x 331 x 141           Aspect Ratio         16:9 Native, 4:3 Compatible           Projection Screen Size         0.67 - 7.68m (26.45" - 302.2") Diagonal 16:9           Projection Distance         1.3 - 9.3m           Projection Lens         F/2.5-3.26; f=20.91~32.62mm           Uniformity         85%           Maximum Resolution         2160p           Computer Compatibility         UHD, WCHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac           Video Compatibility         480/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz)           Input Lag (ms)         33           Horizontal Scan Rate         31~135KHz           Vertical Scan Rate         24~120 Hz           Displayable Colours         1073.4 Million           Noise Level (Eco mode)         25dB           Power Supply         Input: 110 - 220v           Power Consumption         305W Bright mode / 249W Eco mode (< 0.5W Standby)           Lamp Type         240W           Operating Conditions         5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m           Security         Security bar, Kensington lock           On Screen Display         10 Languages: English, Español, Français, Deutsch, Portugués, Italiano, Pyccxuii, 簡体中文, 日本語, 范국어           Optional Accessories<	Speaker	2x 4
Aspect Ratio       16:9 Native, 4:3 Compatible         Projection Screen Size       0.67 - 7.68m (26.45" - 302.2") Diagonal 16:9         Projection Lens       F/2.5~3.26; f=20.91~32.62mm         Uniformity       85%         Maximum Resolution       2160p         Computer Compatibility       UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac         Video Compatibility       480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz)         Input Lag (ms)       33         Horizontal Scan Rate       31~135KHz         Vertical Scan Rate       24~120 Hz         Displayable Colours       1073.4 Million         Noise Level (Eco mode)       25dB         Power Supply       Input: 110 - 220v         Power Consumption       305W Bright mode / 249W Eco mode (< 0.5W Standby)	Weight (kg)	7.8
Projection Screen Size	Dimensions (W x D x H) (mm)	498 x 331 x 141
Projection Distance 1.3 - 9.3m F72.5~3.26; f=20.91~32.62mm Uniformity 85% Maximum Resolution 2160p Computer Compatibility UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz) Input Lag (ms) 33 Horizontal Scan Rate 31~135KHz Vertical Scan Rate 24~120 Hz Displayable Colours 1073.4 Million Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security Dar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Portuguès, Italiano, Pyccκий, 簡体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Wireless No Warranty 2 Years	Aspect Ratio	16:9 Native, 4:3 Compatible
Frojection Lens Fr.2.5~3.26; f=20.91~32.62mm Uniformity 85% Maximum Resolution Computer Compatibility UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz) Input Lag (ms) 33 Horizontal Scan Rate 31-135KHz Vertical Scan Rate 24-120 Hz Displayable Colours 1073.4 Million Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories AC power control, 2x AA batteries, Basic user manual Optional Mireless No Warranty 2 Years	Projection Screen Size	0.67 - 7.68m (26.45" - 302.2") Diagonal 16:9
Uniformity 85%  Maximum Resolution 2160p  Computer Compatibility UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac  Video Compatibility 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz)  Input Lag (ms) 33  Horizontal Scan Rate 31~135KHz  Vertical Scan Rate 24~120 Hz  Displayable Colours 1073.4 Million  Noise Level (Eco mode) 25dB  Power Supply Input: 110 - 220v  Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby)  Lamp Type 240W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security Security bar, Kensington lock  On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어  Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual  Optional Accessories No  Warranty 2 Years	Projection Distance	1.3 - 9.3m
Maximum Resolution 2160р Computer Compatibility UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz) Input Lag (ms) 33 Horizontal Scan Rate 31~135KHz Vertical Scan Rate 24~120 Hz Displayable Colours 1073.4 Million Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Portuguès, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories Ceiling mount Optional Wireless No Warranty 2 Years	Projection Lens	F/2.5~3.26; f=20.91~32.62mm
Computer Compatibility UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac Video Compatibility 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz) Input Lag (ms) 33 Horizontal Scan Rate 31~135KHz Vertical Scan Rate 24~120 Hz Displayable Colours 1073.4 Million Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type Q40W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories Optional Accessories Ceiling mount Optional Wireless No Warranty 2 Years	Uniformity	85%
Video Compatibility 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz)  Input Lag (ms) 33 Horizontal Scan Rate 31~135KHz  Vertical Scan Rate 24~120 Hz Displayable Colours 1073.4 Million Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby)  Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Oscreen Display Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Optional Accessories AC power cond, remote control, 2x AA batteries, Basic user manual Optional Accessories Optional Wireless No Warranty 2 Years	Maximum Resolution	2160p
Input Lag (ms) 33 Horizontal Scan Rate 31~135KHz  Vertical Scan Rate 24~120 Hz  Displayable Colours 1073.4 Million  Noise Level (Eco mode) 25dB  Power Supply Input: 110 - 220v  Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby)  Lamp Type 240W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security Security Security Security bar, Kensington lock  On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어  Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual  Optional Accessories Ceiling mount  Optional Wireless No  Warranty 2 Years	Computer Compatibility	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Horizontal Scan Rate 31~135KHz Vertical Scan Rate 24~120 Hz Displayable Colours 1073.4 Million Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories No Warranty 2 Years	Video Compatibility	480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz), 2160p(24/50/60Hz)
Vertical Scan Rate Displayable Colours 1073.4 Million Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories Optional Wireless No Warranty 2 Years	Input Lag (ms)	33
Displayable Colours Noise Level (Eco mode) 25dB Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories Optional Wireless No Warranty 2 Years	Horizontal Scan Rate	31~135KHz
Noise Level (Eco mode) Power Supply Input: 110 - 220v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 简体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories Ceiling mount Optional Wireless No Warranty 2 Years	Vertical Scan Rate	24~120 Hz
Power Supply Input: 110 - 220 v Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby) Lamp Type 240W Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories Ceiling mount Optional Wireless No Warranty 2 Years	Displayable Colours	1073.4 Million
Power Consumption 305W Bright mode / 249W Eco mode (< 0.5W Standby)  Lamp Type 240W  Operating Conditions 5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m  Security Security Security bar, Kensington lock  On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어  Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual  Optional Accessories Ceiling mount  Optional Wireless No  Warranty 2 Years	Noise Level (Eco mode)	25dB
Lamp Type240WOperating Conditions5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000mSecuritySecurity bar, Kensington lockOn Screen Display10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어Standard AccessoriesAC power cord, remote control, 2x AA batteries, Basic user manualOptional AccessoriesCeiling mountOptional WirelessNoWarranty2 Years	Power Supply	Input: 110 - 220v
Security	Power Consumption	305W Bright mode / 249W Eco mode (< 0.5W Standby)
Security Security Security bar, Kensington lock On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories Ceiling mount Optional Wireless No Warranty 2 Years	Lamp Type	240W
On Screen Display 10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어 Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories Ceiling mount Optional Wireless No Warranty 2 Years	Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Standard Accessories AC power cord, remote control, 2x AA batteries, Basic user manual Optional Accessories Ceiling mount Optional Wireless No Warranty 2 Years	Security	Security bar, Kensington lock
Optional Accessories Ceiling mount Optional Wireless No Warranty 2 Years	On Screen Display	10 Languages: English, Español, Français, Deutsch, Português, Italiano, Русский, 簡体中文, 日本語, 한국어
Optional Wireless No Warranty 2 Years	Standard Accessories	AC power cord, remote control, 2x AA batteries, Basic user manual
Warranty 2 Years	Optional Accessories	Ceiling mount
	Optional Wireless	No
	Warranty	2 Years
ROHS Compliant	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

\*The quoted LED brightness rating is based on the perceived equivalent ANSI lumen brightness when compared to a standard lamp projector. The LED brightness rating takes into account the Helmholtz–Kohlrausch (HK) effect on the perceived brightness of colours.

21/06/2017 14:54