

4K550ST

True to life detail - 4K Ultra HD projector









- Short throw lens
- 4K UHD resolution with HDR10
- Bright 4500 lumens
- 10% vertical lens shift

Bring the benefits of high brightness Ultra HD and short throw to your projection installation. The Optoma 4K550ST delivers impressive 4K UHD images at an amazing 4500 lumens. These high-end specifications along with true to life colour reproduction capabilities bring life and clarity to any presentation.



Specifications

-	
Display/image	
Display technology	DLP
Resolution	UHD (3840x2160)
Brightness	4,500 lumens
ANSI brightness	4,500 lumens
Contrast ratio	10.000:1
Native aspect ratio	16:9
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Aspect ratio - compatible	4:3,16:9
Horizontal scan rate	31 ~ 135Khz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	0.73m ~ 7.63m (28.89" ~ 300.46") (diagonal)
Lamp info	
Light source type	Lamp
Lamp watts	330
Lamp life (hours)	3000 (Bright), 5000 (Dynamic), 4000 (Eco), 5000 (Eco+)
Optical	
Throw ratio	0.782:1
Projection distance (m)	0.5m - 5.2m
Zoom type	Fixed
Focal length (mm)	11.66
Lens shift	Vertical +10%
Native offset	100%
Lens shift	Yes - {{downloads_link}}
	res - {{aowilloads_iii/k}}
Connectivity	
Connections	Inputs 1 x HDMI, 1 x HDMI/MHL, 1 x VGA, 1 x Mic
	3.5mm, 1 x Audio 3.5mm, 1 x USB-A power 1.5A, 1 x USB-A service, 1 x RJ45, 1 x 12V trigger, 1 x RS232
	Outputs 1 x Audio 3.5mm, 1 x S/PDIF, 2 x Speaker
General	
General Noise level (typical)	32dB
	32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD,
Noise level (typical)	
Noise level (typical)	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD,
Noise level (typical) PC compatibility	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Noise level (typical) PC compatibility	UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz),
Noise level (typical) PC compatibility 2D compatibility	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz)
Noise level (typical) PC compatibility 2D compatibility 3D compatibility	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only)
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D	UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security	UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480f/p, 576f/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese,
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker	UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count	UHD, WOHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480t/p, 576t/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, \$76l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, \$76l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power Power supply	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide Yes
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power Power supply Power consumption (standby)	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide Yes
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power Power supply Power consumption (standby) Power consumption (min)	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide Yes 100 ~ 240V, 50 ~ 60Hz 0.5W 249W
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max)	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide Yes 100 ~ 240V, 50 ~ 60Hz 0.5W
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max) Weight and dimensions	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide Yes 100 ~ 240V, 50 ~ 60Hz 0.5W 249W 335W
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max) Weight and dimensions Net weight	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide Yes 100 ~ 240V, 50 ~ 60Hz 0.5W 249W 335W
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Networking LAN - control Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max) Weight and dimensions	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576l/p, 720p(50/60Hz), 1080l(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz, PC only) 3D ready Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m Data remote with laser and mouse function 2 5W AC power cord Remote control 2x AAA batteries Quick Start Guide Yes 100 ~ 240V, 50 ~ 60Hz 0.5W 249W 335W