

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

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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
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 (28.89in - 300.46in)(Diagonal)
Lamp info	Leave and the second
Light source	Lamp
Lamp watts	330 2000 (Pright) 5000 (Dynamia) 4000 (Eas) 5000 (Easy)
Lamp life (hours)	3000 (Bright), 5000 (Dynamic), 4000 (Eco), 5000 (Eco+)
Optical Throw ratio	0.782:1
Projection distance (m)	0.762.1 0.5m - 5.2m
Zoom type	Fixed
Focal length (mm)	11.66
Lens shift	Vertical +10, %
Native offset	100%
Lens shift	Yes - {{downloads_link}}
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	Outputs 1 x Audio 3.5mm, 1 x S/PDIF, 2 x Speaker
General Noise level (typical)	Outputs 1 x Audio 3.5mm, 1 x S/PDIF, 2 x Speaker
General Noise level (typical) PC compatibility	
Noise level (typical)	32dB
Noise level (typical)	32dB UHD, WQHD, 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	32dB 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	32dB 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)
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D	32dB 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) 3D ready
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security	32dB 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) 3D ready Security bar,Kensington Lock,Password protected interface
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D	32dB 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) 3D ready Security bar,Kensington Lock,Password protected interface 10 languages:
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Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages	32dB 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) 3D ready Security bar,Kensington Lock,Password protected interface 10 languages: English,French,German,Italian,Japanese,Portuguese,Russian,Chinese (simplified),Spanish
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Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control	32dB 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) 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	32dB 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) 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
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker	32dB 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) 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
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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	32dB 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) 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
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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	32dB 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) 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 Networking LAN - control Power	32dB 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) 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	32dB 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) 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 Power supply Power consumption	32dB 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) 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 Power consumption (standby)	32dB 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) 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
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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)	32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz) 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)	32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz) 120Hz Frame Sequential (Max. 1920x1080 120Hz) 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
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