

4K550

True to life detail - 4K Ultra HD projector









- 4K UHD resolution with HDR10
- Bright 5000 lumens
- 1.6 x zoom
- 15% vertical lens shift

Bring the benefits of high brightness Ultra HD to your projection installation. The Optoma 4K550 delivers impressive 4K UHD images at an amazing 5000 lumens. These high-end specifications along with true to life colour reproduction capabilities bring life and clarity to any presentation.



Specifications

Power consumption (min)

Power consumption (max)

Dimensions (W x D x H)

Net weight

mm

Weight and dimensions

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Display/image	_
Display technology	DLP
Resolution	UHD (3840x2160)
Brightness	5,000 lumens
Brightness (eco)	3,000 lumens
ANSI brightness	5,000 lumens
Contrast ratio	10,000:1
Contrast ratio - dynamic	6,000:1
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	0.67m ~ 7.68m (26.45" ~ 302.2") (diagonal)
Lamp info	0.07111 4 7.00111 (20.40 4 002.2) (diagonal)
Light source type	Lamp
Lamp watts	330
Lamp life (hours)	3000 (Bright), 5000 (Dynamic), 4000 (Eco), 5000 (Eco+)
Optical	3000 (Bright), 3000 (Byriainic), 4000 (Eco), 3000 (Eco+)
Throw ratio	1.39:1 - 2.22:1
Projection distance (m)	1.3m - 9.3m
Zoom	1.6
Zoom type	Manual
Focal length (mm)	20.91- 32.62
Lens shift	Vertical +15%
Native offset	100%
Lens shift	Yes - {{downloads_link}}
Connectivity	163 - {{downloads_ill in}}
Connections	Innute 1 v HDML 1 v HDMI/MHL 1 v VCA 1 v Mio
Connections	Inputs 1 x HDMI, 1 x HDMI/MHL, 1 x VGA, 1 x Mic
	3.5mm, 1 v Audio 3.5mm, 1 v LISB-A power 1.5A, 1 v
	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
	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	USB-A service, 1 x RJ45, 1 x 12V trigger, 1 x RS232
General Noise level (typical)	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
Noise level (typical)	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 32dB
	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD,
Noise level (typical) PC compatibility	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Noise level (typical)	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD,
Noise level (typical) PC compatibility	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/p, 720p(50/60Hz), 1080i(50/60Hz),
Noise level (typical) PC compatibility 2D compatibility	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 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	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 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, PC only)
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D	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 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, PC only) 3D ready
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security	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 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, PC only) 3D ready Security bar, Kensington Lock, Password protected interface
Noise level (typical) PC compatibility 2D compatibility 3D compatibility 3D Security	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 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, 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	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480Vp, 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	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480Vp, 576Vp, 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	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 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, 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	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 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, 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	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/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
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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	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/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
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	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 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, 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	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480/p, 576/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
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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	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 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, 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	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 32dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac 480l/p, 576i/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

249W

335W

5.8kg

392 x 281 x 129

