

## UHD50X

Next-Level 1080p Gaming & 4K UHD Home Theater





- Bright 3,400 lumens with 500,000:1 contrast ratio for lights-on viewing
- Ultra-fast 240 Hz refresh rate for unmatched 1080p gaming smoothness
- Enhanced Gaming Mode delivers 16ms response time at 1080p, 240 Hz
- Vertical lens shift with 1.3x zoom



Supercharge your huge-screen experience with the 3,400 lumens, 4K UHD Optoma UHD50X projector. Engineered for movies and gaming, the UHD50X delivers incredible details and vibrant colors that brings the cinematic experience home.

## **Specifications**

Display/image	DLDTM
Display technology	DLP™ LIHD (2840×2160)
Resolution	UHD (3840x2160)
Brightness	3,400 lumens
Contrast ratio	500,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3
Keystone correction - vertical	+/-40°
Horizontal scan rate	31 ~ 135Khz
Vertical scan rate	24 ~ 120Hz
Uniformity	80%
Screen size	34.1" ~ 302.4" diagonal
Lamp info	
Light source type	Lamp
Lamp watts	240
Lamp life hours (up to)	4000 (Bright), 15000 (Dynamic), 10000 (Eco)
Optical	
Throw ratio	1.21:1 ~ 1.59:1
Projection distance	47.24" - 318.9"
Zoom	1.3
Zoom type	Manual
Focal length (mm)	12.81 mm~16.74mm/0.504"~0.659"
Lens shift	Vertical +10%
Native offset	105%
Connectivity	
Connections	Inputs 1 x HDMI 2.0, 1 x HDMI 1.4a 3D support, 1 x VGA
	(YPbPr/RGB), 1 x Audio 3.5mm
	Outputs 1 x Audio 3.5mm, 1 x S/PDIF
	Control 1 x USB-A power 1.5A, 1 x USB-A service, 1 x
	RS232, 1 x 12V trigger
General	
<b>General</b> Noise level (typical)	26dB
	26dB 28dB
Noise level (typical)	
Noise level (typical) Noise level (max)	28dB
Noise level (typical) Noise level (max)	28dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA,
Noise level (typical) Noise level (max) PC compatibility	28dB UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Noise level (typical) Noise level (max) PC compatibility	28dB 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) Noise level (max) PC compatibility 2D compatibility	28dB 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) Noise level (max) PC compatibility 2D compatibility 3D	28dB 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) Full 3D
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese,
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security DSD / display languages Operating conditions	28dB 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) Full 3D 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) Noise level (max) PC compatibility 2D compatibility 3D Security DSD / display languages Operating conditions Remote control	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85%
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security OSD / display languages	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1 10W AC power cord Remote control
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Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security DSD / display languages Operating conditions Remote control Speaker count Watts per speaker n the box	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1 10W AC power cord Remote control 2x AAA batteries Basic user manual
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Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1 10W AC power cord Remote control 2x AAA batteries Basic user manual 15.70ms
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1 10W AC power cord Remote control 2x AAA batteries Basic user manual 15.70ms
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Noise level (typical) Noise level (max) PC compatibility 2D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Input lag Power Power supply Power consumption (standby) Power consumption (min)	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1 10W AC power cord Remote control 2x AAA batterries Basic user manual 15.70ms 100 ~ 240V, 50 ~ 60Hz 0.5W 220W
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 2D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Input lag Power Power supply Power consumption (standby) Power consumption (max)	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1 10W AC power cord Remote control 2x AAA batteries Basic user manual 15.70ms 100 ~ 240V, 50 ~ 60Hz 0.5W
Noise level (typical) Noise level (max) PC compatibility 2D compatibility 2D compatibility 3D Security OSD / display languages Operating conditions Remote control Speaker count Watts per speaker In the box Input lag Power Power consumption (standby) Power consumption (max) Weight and dimensions	28dB 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) Full 3D Security bar, Kensington Lock, Password protected interface 10 languages: English, French, German, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% Backlit home remote 1 10W AC power cord Remote control 2x AAA batterries Basic user manual 15.70ms 100 ~ 240V, 50 ~ 60Hz 0.5W 220W
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