UHZ50

Smart 4K UHD laser home Cinema projector

- **True 4K UHD resolution and laser technology - HDR and HLG compatible**

- **Bright 3,000 lumens and stable output, achieves 2,500,000 : 1 Contrast.**

- **Superb Gaming Experience with 240Hz refresh rate and extremely low 4ms Input Lag for PC gaming**

- **PureMotion MEMC delivers judder free motion video**

Entering the new generation of home entertainment with UHZ50. With DuraCore Laser technology, UHZ50 is able to deliver longer-lasting and excellent performance at true 4K UHD resolution with high brightness at 3,000 lumens and 2,500,000:1 contrast. UHZ50 also comes with the upgraded Smart Home features including Optoma Marketplace, File Manager, Creative Cast, and connectivity with voice assistants, offering the comprehensive home entertainment experience.

With the ability to implement 4-corner adjustment, 2D keystone correction, vertical lens shift, powered 1.3x zoom, and warping at 3*3 matrix, UHZ50 is also perfectly easy to install in any room at home, or to create a simulation scenario.

Specifications

Display/image

Display technology	DLP™
Resolution	UHD (3840x2160)
Brightness	3,000 lumens
Contrast ratio	2,500,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3,16:9,16:10
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Has vertical auto keystone correction	Yes
Displayable colours (millions)	1073.4
Horizontal scan rate	31~135Khz
Vertical scan rate	24 ~ 120HzHz
Uniformity	80%
Screen size	0.87m ~ 7.68m (34.1" ~ 302.4") diagonal

Lamp info

Light source type	Laser
LASER life	30,000 hours

Optical

Throw ratio	1.21:1 ~ 1.59:1
Projection distance	1.2m - 8.1m
Zoom	1.3
Zoom type	Manual
Focal length	12.81mm~16.74mm
Lens shift	Vertical +10%
Native offset	105%
Lens shift	Yes - {{downloads_link}}

Connectivity

Connections	**Inputs** 2 x HDMI 2.0, 3 x USB-A, 1 x HDMI 2.0 (eARC), 1 x 12V trigger
	Outputs 1 x Audio 3.5mm, 1 x S/PDIF
	Control 1 x RS232, 1 x RJ45, 1 x 12V trigger, 1 x 3D sync
Wireless - technology	IEEE 802.11 b/g
Wireless - security	WEP, TKIP, AES, WPA, WPA2
Wireless - operating frequency	2.4GHz

General

Noise level (typical)	26dB
PC compatibility	UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4,43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
3D compatibility	HDMI1/ HDMI2: Frame Packing(1280x720@50Hz/60Hz, 1920x1080@23.98/24Hz), Frame Sequential(800x600@120Hz, 1024x768@120Hz, 1280x800@120Hz, 1920x1080@120Hz). HDMI3: Frame Packing(1280x720@50Hz/60Hz, 1920x1080@23.98/24Hz), Frame Sequential(800x600@120Hz, 1024x768@120Hz, 1280x800@120Hz, 1920x1080@120Hz) , Top and Bottom(1280x720@50Hz/60Hz, 1920x1080@23.98/24Hz), Side by Side(1920x1080@50(25)Hz, 1920x1080@60(30)Hz).
3D	Full 3D
Security	Security bar, Kensington Lock, Password protected interface
OSD / display languages	11 languages: Dutch, English, French, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish, Chinese (traditional)
24/7 operation	Yes
Operating conditions	0°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85%
Remote control	Backlit home remote
Heat dissipation	785BTU/hour
Speaker count	2
Watts per speaker	10W
In the box	AC power cord
	Remote control
	Quick start user manual
Input lag	4.00ms

Networking

Wireless - technology	IEEE 802.11 b/g
Wireless - operating frequency	2.4GHz

Power

Power supply	100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	204W
Power consumption (max)	276W

Weight and dimensions

Dimensions (W x D x H)	337 x 265 x 119.3
Gross weight	6.5 kg
Net weight	4.8 kg