

## EX550 DLP® Projector

# Bright & Sharp Projection



### BRIGHTNESS WHERE IT MATTERS

You can project even if there is ambient light in the room. The XGA resolution EX550 delivers an impressive 2800L, ensuring that even during the day everyone can clearly see the projected image.



### COST SAVING – LONG LAMP LIFE

Reduce the number of lamp changes with lamp life of up to 6000 hours<sup>2</sup>.

The lamp is conveniently located so that it can be changed without removing the projector from a ceiling mount – saving you time and money.



### CLEAR, FOCUSED PROJECTION

High contrast ratio, 5000:1 for a crystal clear viewing experience. Ensure you have your audience's attention during a presentation with crisp whites and ultra-rich blacks making text and graphs easier to read. Bring images and video alive on the big screen for a fantastic viewing experience.



### PROJECTION THAT LASTS

Optoma 5 year colour and imager guarantee means you can rest assured that the image performance will not degrade compared to other leading technologies. Enjoy lasting projection year after year!



### FUTURE PROOF TECHNOLOGY

Using the inherent speed of DLP® technology, Optoma 3D Ready projectors can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D from a compatible computer.



### AUDIO PERFORMANCE

Convenient audio from the built-in 2W speaker, or connect to an external audio system with the dedicated audio output.



### PRESENTATION PARTNER

Run your presentation from the projector remote control. Use the page up/down button to change slides or the mouse control to take control of the mouse functions remotely (USB cable must be connected from the computer to the projector).



### PORTABLE

The supplied carry case enables convenient protection and portability when the projector is not in use.



## EX550 SPECIFICATIONS

Native Resolution	XGA 1024 x 768
Max Supported Resolution	UXGA (1600 x 1200)
Display Technology	Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments
Brightness - BRIGHT mode¹	2800 ANSI Lumens
Contrast Ratio	5000:1
Lamp Life²	6000/5000 (ECO/BRIGHT mode)
Noise Level	28dB (ECO mode)
Weight / Dimensions (W x D x H)	2.2 kg / 280 x 230 x 77mm
Inputs	2 x 15 Pin D-Sub VGA S-Video 4 Pin Mini Din Composite RCA 3.5mm Audio Mini Jack USB (remote mouse) Component via adaptor
Control	RS232 - 9 Pin D-sub
OUTPUT	15 Pin D-Sub VGA 3.5mm Audio Mini Jack
Audio	2W Speaker
Aspect Ratio	4:3 Native, 16:9 Compatible
On Screen Display	18 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Arabic & Farsi
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
Uniformity	85%
Displayable Colours	1073.4 Million
Horizontal Scan Rate	15.3 - 91.1kHz
Vertical Scan Rate	24 - 85Hz
Projection Lens	F/2.51~2.69; f=21.95~24.18mm, 1.1x Manual Zoom
Projection Distance	1.2 - 12m
Image Size	0.69 - 7.62m (27.24" to 300.04") Diagonal 4:3
Throw Ratio	1.97 - 2.17:1 (Projection Distance:Image Width)
Keystone Correction	± 40° Vertical
Operating Conditions	Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (Max)
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	233W BRIGHT mode < 0.5W Standby mode 207W ECO mode < 0.5 Standby mode
Security	Security Bar, Kensington Lock Port, Password Protection
Standard Accessories	Soft Carry Bag, AC Power Cord, VGA Cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card
RoHS	Compliant
Lamp Warranty	1 year or 2000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see <a href="http://www.optomaeurope.com">www.optomaeurope.com</a> or ask your local supplier for details
Colour Guarantee³	5 Years
Imager Guarantee⁴	5 Years
3D Support	120Hz frame sequential 3D for resolutions up to 720p. 60Hz field sequential 3D for resolutions up to 480i
3D Viewing	Requires Optoma DLP® Link™ ZD201 glasses - sold separately
3D Compatibility	The 3D features of Optoma projectors can only be used with compatible 3D content from a computer.

## EASY TO USE REMOTE CONTROL

## EX550 Remote Control

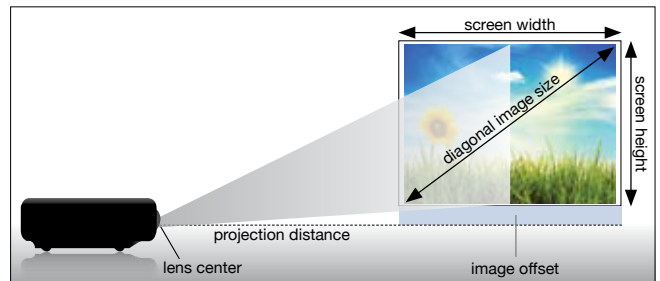
- 1 Power
- 2 Enable Mouse Control
- 3 Mouse Control
- 4 Vertical Keystone Correction
- 5 Volume Control
- 6 Direct Input Source Selection
- 7 Freeze
- 8 AV Mute
- 9 Page Up/Down Control
- 10 3D Control



## EX550 Connections

- 11 Audio In
- 12 S-Video
- 13 VGA 1 - Component
- 14 RS232
- 15 USB (Remote Mouse)
- 16 Audio Out
- 17 Video
- 18 VGA 2
- 19 VGA Out
- 20 Kensington™ Lock

## Exceptional Connectivity / Multiple Terminals



## EX550 Projection Distance 1.2 - 12m (4:3 Aspect Ratio)

Projection Distance (m)	Max Screen Width (m)	Min Screen Width (m)	Max. Screen Height (m)	Min. Screen Height (m)	Min Diagonal Image Size (m)	Max Diagonal Image Size (m)	Min Diagonal Image Size (inch)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.61	0.55	0.46	0.42	0.69	0.76	27.24	30.00	0.07
2.00	1.02	0.92	0.76	0.69	1.15	1.27	45.40	50.01	0.11
2.50	1.27	1.15	0.95	0.87	1.44	1.59	56.75	62.51	0.14
3.00	1.52	1.38	1.14	1.04	1.73	1.91	68.10	75.01	0.17
4.00	2.03	1.84	1.53	1.39	2.31	2.54	90.80	100.01	0.23
5.00	2.54	2.30	1.91	1.73	2.88	3.18	113.50	125.02	0.29
6.00	3.05	2.76	2.29	2.08	3.46	3.81	136.19	150.02	0.34
7.00	3.55	3.23	2.67	2.43	4.04	4.45	158.89	175.03	0.40
8.00	4.06	3.69	3.05	2.77	4.61	5.08	181.59	200.03	0.46
9.00	4.57	4.15	3.43	3.12	5.19	5.72	204.29	225.03	0.52
10.00	5.08	4.61	3.82	3.46	5.77	6.35	226.99	250.04	0.57
11.00	5.58	5.07	4.20	3.81	6.34	6.99	249.69	275.04	0.63
12.00	6.09	5.53	4.58	4.16	6.92	7.62	272.39	300.04	0.69

For guide purposes only

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<sup>1</sup>Brightness and lamp lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. <sup>2</sup>Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. <sup>3</sup>Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (a) Guarantee is voided if the projector is subject to damage through misuse. (b) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive. (c) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (d) Over time worn lamps within all projector types will show a slight colour variance. <sup>4</sup>Optoma guarantees that in normal use, the DLP® imager will retain image quality for at least 5 years and provide consistent pixel performance. Exclusions: (a) Guarantee is voided if the projector is subject to damage through misuse. (b) Guarantee may be void in industrial or commercial environments where dust or smoke is excessive. Copyright © 2011, Optoma Europe Ltd. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments. Some images may be simulated.