

## Ultimate Viewing Experience



**Optoma EX/EW631** has outstanding performance by combining exceptional brightness and superior definition that match widescreen format applied for today's advanced laptops and video displays. Full-featured, HD ready, amazingly mobile and versatile, EX/EW631 makes your presentation a pleasure! Additionally, ECO+ technology brings together superb performance, efficient lamp life and energy saving features that are easy to use and save both time and money.

### **Features**

- **3500 ANSI lumens with 10,000:1 contrast**
- **Up to 6000h lamp life and 70% energy saving (ECO+ Mode)**
- **Capable with HDTV & Wide-Screen laptop signal**
- **The capability of operating computer with remote control**
- **3D Ready: supporting 120Hz playback (compatible with Optoma 3D-XL)**
- **Support RJ45 Network control Function**
- **Quick Resume**
- **7W speaker**



# EX/EW631

## 3D TECHNOLOGY

Using the inherent speed of DLP® technology, The Optoma EX/EW631 can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full color, stereoscopic 3D. The 3D effect is generated by splitting this signal into two standard video streams, one for each eye. Using DLP® Link™ technology, the 3D glasses synchronise with the image on screen to filter each stream to the correct eye. Your brain then combines the two streams to make them jump into life.

## COLOR TECHNOLOGY

Six Segments Color Wheel increases the speed of the projector color wheel rotation from 2X (7200rpm) to 3X (10800rpm) resulting in consistent colors and seamless video playback. Also, the new 10 bit Color Processing technology increases the number of colors that can be display from 134.2 million to over 1073 million, presenting more natural & vibrant pictures.



natural, rich looking colors

un-natural looking images

## CONNECTIVITY

- 01. Audio In
- 02. HDMI
- 03. S-Video
- 04. VGA 1-IN
- 05. RS-232
- 06. Service/Mouse
- 07. RJ-45
- 08. Audio Out
- 09. Video
- 10. VGA 2-IN
- 11. VGA Out
- 12. Kensington™ Lock
- 13. Power

## ECO+ TECHNOLOGY

Eco+ technology from Optoma increases our commitment to reduce the impact we all make on the environment. Eco+ technology reduces the power consumption to as little as 30%. This intelligent feature also has a positive effect on the lamp life, increasing it up to 70% while lowering the total cost of ownership and reducing maintenance.

## Quick Resume

The function allows you to turn the power back on instantly. If the projector was turned off within 100 seconds by accident, this function allows the projector to boot up again instantly.

## BrilliantColor™-II

BrilliantColor™ allows the usage of a more advanced image processing algorithm and enables the usage of more colors on the color wheel, than the standard Red, Green, Blue and White segments. New BrilliantColor™-II technology enables higher brightness levels by boosting mid-tone colors, resulting in more vibrant, precisely accurate colors projected on the screen.



Specification	EX631	EW631
<b>Display Technology</b>	TI DLP® technology / 0.55" XGA DMD Chip	TI DLP® technology / 0.65" WXGA DMD Chip
<b>Native Resolution</b>	Native: 1024 x 768 (XGA)	Native: 1280 x 800 (WXGA)
<b>Brightness / Contrast Ratio</b>	3500 ANSI Lumens / 10000 :1	
<b>Display Colors</b>	1073.4 million colors (10bit)	
<b>Projection Lens</b>	F=2.51~2.69 ; f = 21.95 ~24.18 mm 1.1x manual zoom / focus lens	F=2.57~2.84 ; f = 21~25.6 mm 1.2x manual zoom / focus lens
<b>Image Size</b>	30 to 300 inch	
<b>Projection Distance</b>	1 m~10m	
<b>Throw Ratio (Projection distance/width)</b>	1.97 ~ 2.17 :1	1.47~1.81 : 1
<b>Digital Keystone Correction</b>	±20° (System)	
<b>Aspect Ratio</b>	4:3 Native, 16:9 Compatible	16:10 Native, 4:3 /16:9 Compatible
<b>Scan Rate</b>	Horizontal: 15.3~91.1KHz ; Vertical: 24~85 Hz	Horizontal: 15.374~91.146KHz ; Vertical: 25~85 Hz
<b>Computer Compatibility</b>	UXGA, SXGA+, SXGA, SVGA, VGA Compression, VESA standards, PC & Macintosh compatible	
<b>Video Compatibility</b>	HDTV (720p,1080i/p), SDTV (480i/p,576i/p), Full NTSC, PAL PAL-M, PAL-N, SECAM	
<b>Input / Output Connections</b>	HDMI x 1, VGA1-IN (support YPbPr/wireless dongle) x 1, VGA2-IN (support YPbPr) x 1, S-Video x 1, Composite Video x 1, Audio Input x 1, Audio output x 1, VGA Out x 1, RS-232 control interface x 1 (9 Pin) mini USB (Software upgrade/Mouse control) x 1 , RJ45 x 1 (LAN control)	
<b>Uniformity</b>	85 %	
<b>Speaker</b>	7W x 1	
<b>Noise</b>	32 dB (STD mode)	
<b>Lamp Type</b>	240 watt user-replaceable lamp	
<b>Lamp Life</b>	6000 Hrs(Eco+ mode) / 5000 Hrs(ECO mode) / 3500 Hrs(Bright mode)	
<b>Power Supply</b>	Universal AC 100~240V± 10%, 50/60Hz	
<b>Dimensions (WxDxH) / Weight</b>	280 x 230 x 78.4 mm / 2.2kg (4.85 lbs)	

\*Optoma reserves the right to change this brochure without prior notice, please refer to [www.optoma.com](http://www.optoma.com) for any change



\*Optoma guarantees that in normal use, Optoma DLP® color quality will be indistinguishable from when new. Please note that worn lamps will give slight variance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other fault. Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. Optoma guarantees that in normal use, the DLP® imager guarantee will retain quality for at least 5 years providing consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive. Copyright © 2012, Optoma Corporation. All other product names and company names used herein are for identifications 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.