

# Compact and Great for Business



## **Optoma ES550/EX550 Projector Series**

The Optoma ES550/EX550 brings together all of the features that business presenters need, including 2800 ANSI lumens of brightness and 5000:1 contrast ratio. Weighing in at less than five pounds, this powerful projector is a take-along size that lets presenters ensure effective presentations wherever they go. This feature promises that you can deliver detailed presentations that capture audiences and deliver information with high impact. Educators and business users alike will appreciate the 3D capabilities, which support use of the projector with emerging 3D content offerings.

- **Brightness at 2800 ANSI lumens**
- **5000:1 high contrast ratio**
- **3D-capable**
- **Power saving eco-friendly at <0.5W**
- **Long lamp life**
- **The capability of operating computer with remote control**



## 3D TECHNOLOGY

Using the inherent speed of DLP® technology, The Optoma ES550/EX550 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.

## ENVIRONMENTALLY FRIENDLY

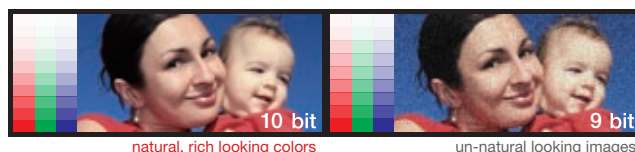
To achieve the maximum lamp life time the projector should be operating in ECO mode and the shut down timer should be enabled to automatically switch off the projector if it is accidentally left on when no longer required. Enabling the <0.5W Standby mode will ensure the minimum energy consumption when the projector is not being used.

## 6 SEGMENTS COLOR WHEEL

Produces 3X Color Wheel Rotation Speed projectors support PAL video signals in movie mode, which operate at only 50 Hz frequency. Under this low frequency, projector increases the speed of the color wheel rotation from 2X (7200 rpm) to 3X (10800 rpm) resulting in consistent colors and seamless video playback.

## 10 bit COLOR PROCESSING

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.



## BrilliantColor™-II

BrilliantColor™ is a Texas Instruments technology, which uses innovations in image processing to improve the optical efficiency of DLP® projection systems. 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.

Projection Distance (M)		1.5	3	5	10	13
Screen Size 4:3 (inch)	Max	37.5	74.9	124.9	249.8	324.8
	Min	34.0	68.0	113.4	226.8	294.8

	ES550	EX550
Display Technology	Ti DLP® technology / 0.55" SVGA DMD Chip	Ti DLP® technology / 0.55" XGA DMD Chip
Native Resolution	800×600 (SVGA)	1024×768 (XGA)
Brightness / Contest Ratio	2800 ANSI Lumens / 5000 :1	
Display Colors	1073.4 million colors (10bit)	
Projection Lens	f = 21.95 ~ 24.18 mm; 1.1 x manual zoom / focus lens.	
Image Size	30 to 300" (4:3)	
Projection Distance	1.2 ~ 10m	
Digital Keystone Correction	Vertical±40°	
Aspect Ratio	4:3 Native, 16:9 Compatible	
Input / Output Connections	VGA in × 2 S-Video × 1 Composite Video × 1 Audio input × 1 Audio output × 1 VGA output × 1 RS232 × 1 Mini USB x1	
3D Display	Video: 480i, Computer: 1280 x 720 / 1024 x 768 /800 x 600@120Hz	
Speaker	2W x 1	
Lamp Type	180 watt user-replaceable lamp	
Lamp Life	6000 Hrs (ECO mode)/ 5000 Hrs(Bright mode)	
Power Supply	Universal AC 100 ~ 240V, 50/60Hz	
Dimensions(WxDxH) / Weight	28 × 23 × 7.7cm/ 2.2 kg	

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\*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 © 2011, 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.