ES526/EX536

Optoma
World's NO.1 DLP® Projector Expert

Time to Unleash your Vision in a Limited Budget

What more can I say…. Optoma ES526/EX536 are simply born to redefine the standard for DLP entry-level multimedia projectors.

Featuring 2800 lumens & 3000:1 contrast ratio, a significant boost you can never find in this class before, ES526/EX536 assure you a true new value that far exceeds your expectation in every aspect.

Texas Instruments DarkChip3 DLP Technology
Incorporated with Texas Instruments' latest & most advanced DarkChip3 DMD

2800 ANSI Lumens & 3000:1 Native High Contrast
Brilliant optical design makes ES526/EX536 exceptional in providing high brightness & crystal-clear native high contrast

1.07 Billion Display Colors
Incorporated with Texas Instruments' latest DDP2430 scaler to realize true 10-bit signal processing

Utmost Display Resolution Support
Data: up to UXGA (1600x1200) @ 60Hz / Video: up to 1080p (HD Ready)

6 Default Display Modes + 2 User Adjustable Modes
Presentation / Bright / sRGB / Movie / Blackboard / Classroom + 2 User Modes to cater for all possible operation environments

Smart Power Saving Designs
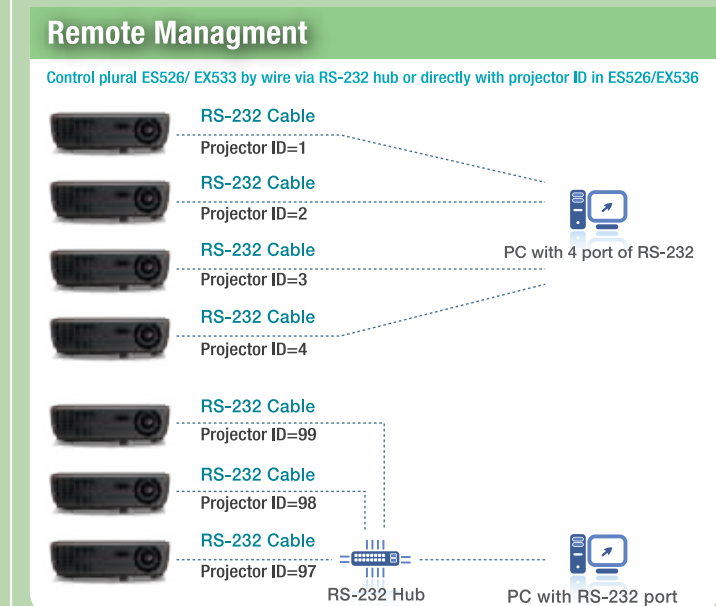Sleep timer / Auto shutdown while no input signal/Standby power < 1 watt

Enhanced Security Functions
Security bar+Keypad Lock+Password for theft deterrent and to prevent from unauthorized usage

Unsurpassed Product Quality/ Reliability
- 5-year imager guarantee
- Long-life lamp (3000/4000 hrs)
- Hassle free / filter free / minimum maintenance required
- Lowest cost of ownership

DLP
TEXAS INSTRUMENTS

ES526/EX536

Specification	ES526	EX536
Display Technology	TI DLP® 0.55'' SVGA DC3 DMD Chip	TI DLP® 0.55'' XGA DC3 DMD Chip
Resolution	Native: SVGA (800x600) Max: UXGA (1600x1200) 60Hz	Native: XGA (1024x768) Max: UXGA (1600x1200) 60Hz
Brightness (typical)	2800 ANSI Lumens	
Contrast Ratio	3000:1	
Displayable Colors	1.07 Billion colors	
Projection Lens	F# 2.41 ~ 2.55, f = 21.8 ~ 23.98mm; 1.1x Manual Zoom / focus lens	
Projection Image Size	22.9 ~ 302.85 inches	
Projection Distance	1.0-12 meters	
Throw Ratio	1.95 ~ 2.15:1 (distance/screen width)	
Keystone Correction	± 40° (vertical)	
Aspect Ratio	4:3 Native, 16:9 Compatible	
Scan Rate	Horizontal: 15.3~ 91.1KHz; Vertical: 24 ~ 85 Hz	
PC Compatibility	UXGA, SXGA+, SXGA, XGA, SVGA, VGA Compression, VESA standards PC & Macintosh compatible	
Video Compatibility	HDTV (720p, 1080i/p), SDTV (480i/p, 576i/p), Full NTSC, PAL, PAL-M, PAL-N, SECAM.	
Input Connections	-VGA (VGA/ YPbPr/ RGB/ SCART) x1 -S-Video x 1 -Composite x 1 -Audio x 1	-VGA (VGA/ YPbPr/ RGB/ SCART) x2 -S-Video x 1 -Composite x 1 -Audio x 1
Output Connections	-Audio x 1 -VGA output for monitor loop through x 1	-Audio x 1 -VGA output for monitor loop through x 1
Control Functions	-RS232 x1 -IR receiver (Front & Top) x 2	-RS232 x1 -IR receiver (Front & Top) x 2
Uniformity	85 %	
Lamp Type	185-watt replaceable lamp	
Estimated Lamp Life	4000 hours (STD mode) / 3000 hours (Bright mode)	
Speaker	2W speaker x1	
Power Supply	Universal AC input 100 ~ 240V; 50/60 Hz	
Weight	2.3 kg / 5.0 lbs	
Operational Noise	28dB(STD mode)	
Dimensions（W×D×H）	286mm x 192mm x 97mm	

Projection Distance (meter) / Image Size (4:3 diagonal inch)

	ES526/EX536	
Projection Distance	Minimum Image	Maximum Image
1.5	34.3	37.9
2.0	45.8	50.5
3.0	68.7	75.7
4.0	91.6	101.0
5.0	114.5	126.2
12.5	286.1	315.5

Remote Managment

Control plural ES526/ EX533 by wire via RS-232 hub or directly with projector ID in ES526/EX536

RS-232 Cable — Projector ID=1
RS-232 Cable — Projector ID=2
RS-232 Cable — Projector ID=3
RS-232 Cable — Projector ID=4
RS-232 Cable — Projector ID=99
RS-232 Cable — Projector ID=98
RS-232 Cable — Projector ID=97

PC with 4 port of RS-232
RS-232 Hub
PC with RS-232 port

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5-Year Color Guarantee & 5-Year Imager Guarantee

We are so confident that the ES526/EX536 colors will not fade that we guarantee the colors will remain vibrant and vivid, even after many years of use.

The large screen experience demands sharp, flawless images with instant impact and lasting crystal clear pictures. To retain image clarity, Optoma projectors are designed with DLP® technology, preventing degradation over time and consistent pixel performance. The Imager Guarantee ensures a precise picture performance for a minimum of five years.

COLOR GUARANTEED 5 YEARS

5 year IMAGER GUARANTEE
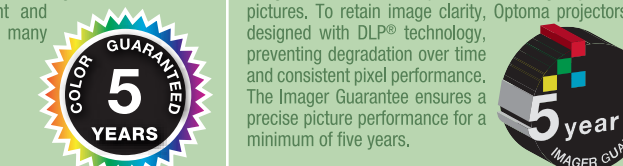
True Vivid™ Technology

Optoma proprietary TrueVivid™color enhancement technology affords better balanced chrominance and luminance for life-like colors, giving the viewer the ultimate visual experience.

truevivid

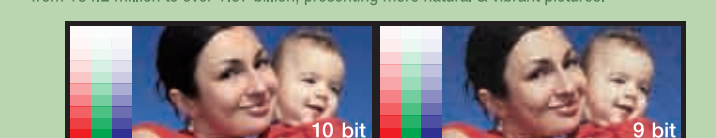with TrueVivid™ | without TrueVivid™
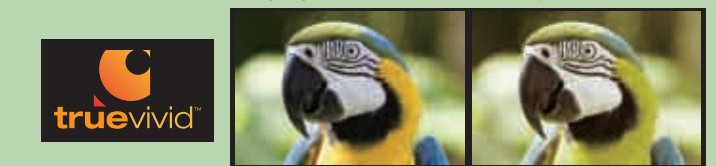
BrilliantColor™-II

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 colours projected on the screen.

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 1.07 billion, presenting more natural & vibrant pictures.

10 bit — natural, rich looking colors | 9 bit — un-natural looking images