



EX612/EX615

Simply Awesome Simply Cool



Like a pair of Aces, **EX612** tops the brightness/dollar in 3.5K lumen category, and **EX615** brings the spec/dollar to a whole new level ever seen in this class. We know life is full of choices with decisions sometimes hard to make. But, with Ace at hand, you win anyway.

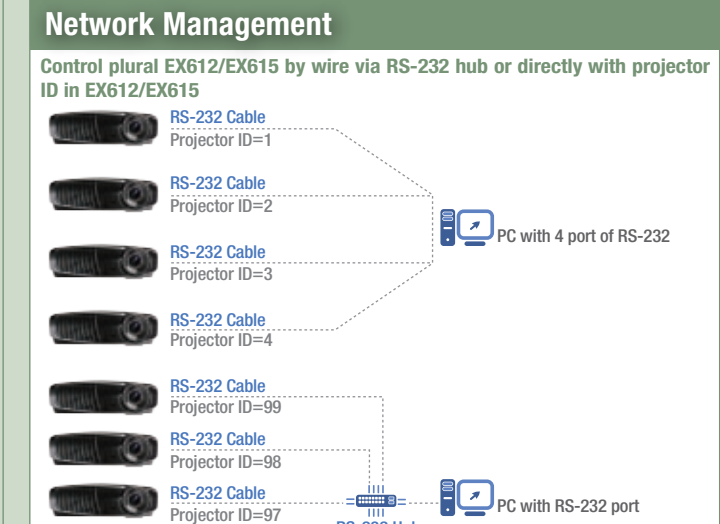


- Texas Instruments DarkChip3 DLP® Technology**
 Incorporated with Texas Instruments' latest & most advanced DarkChip3 DMD
- 3500 ANSI Lumens & 3000:1 Native High Contrast**
 Advanced optical design in providing high brightness & crystal-clear native high contrast
- New Generation BrilliantColor™ Technology**
 Incorporated with Texas Instruments' latest DDP2430 scaler to realize true 10-bit signal processing and 1.07 billion color displaying
- 6 Default Display Modes + 2 User Adjustable Modes**
 Presentation / Bright / sRGB / Movie / Blackboard / Classroom + 2 User Modes to cater for all possible operation environments
- Wireless Capability (Option)**
 An easy attached wireless dangle available (Direct connect to VGA port / no additional power adapter required) for IEEE802.11 b/g wireless connection
- Dual Control System (EX615 only) with ID Programmable**
 RJ45 & RS232 Control with projector ID for more effective/efficient remote management/control (EX612 supports RS232 only)
- "Help Key" Function (EX615 only)**
 "Help Key" on keypad & remote controller to guide end users through operation troubles/difficulties
- Comprehensive Connectivity (EX615 only)**
 1 HDMI (support audio input) + 2 VGA in (YPbPr/RGB/SCART) + 1 S-Video + 1 Composite Video + 3 Audio in + 1 VGA out + 1 Audio out + 12V Relay-out + USB (for remote mouse & service)
- Unmatched Product Quality / Reliability**
 - 5-year color guarantee
 - 5-year imager guarantee
 - Long-life lamp (3000/4000 hrs)
 - Hassle free / filter free / minimum maintenance required
 - Lowest cost of ownership

| Specification | EX612 | EX615 |
|-----------------------|---|---|
| Display Technology | TI DLP® 0.55" XGA DC3 DMD Chip | |
| Resolution | Native: XGA (1024x768) Max: UXGA (1600x1200) 60Hz | |
| Brightness | 3500 ANSI Lumens | |
| Contrast Ratio | 3000:1 | |
| Displayable Colors | 1.07 billion colors | |
| Projection Lens | F# 2.41 ~ 2.55, f = 21.8 ~ 24mm; 1.1x Manual Zoom / focus lens | F# 2.4 ~ 2.66, f = 18.2 ~ 21.8mm; 1.2x Manual Zoom / focus lens |
| Projection Image Size | 22.9 ~ 302.85 inches | 30.7 ~ 307.6 inches |
| Projection Distance | 1.0 ~ 12 meters | 1.2 ~ 10 meters |
| Throw Ratio | 1.95 ~ 2.15:1 (distance/screen width) | 1.6 ~ 1.92:1 (distance/screen width) |
| Keystone Correction | ±30° (vertical) | |
| Aspect Ratio | 4:3 Native, 16:9 Compatible | |
| Scan Rate | Horizontal: 15.3~ 91.1KHz; Vertical: 43 ~ 87 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(YPbPr/ RGB/ SCART)x2 S-Video x1 Composite x1 Mini-jack Audio x1 IR receiver (Front & Top) x 2 | HDMI(Support audio in) x1 VGA (YPbPr/ RGB/ SCART) x2 S-Video x1 Composite x1 Mini-jack Audio (R/L) input x3 IR receiver (Front & Top) x2 |
| Output Connections | VGA x1 | Mini-jack Audio x1 |
| Control Functions | RS232 x1 Mini USB Port x 1 (Remote mouse/ service) | RS232 x1 Mini USB Port x 1 (Remote mouse/ service) RJ45 x 1 (LAN for network control interface) +12V Relay output x 1 |
| Speaker | 2W speaker x1 | 5W speaker x 2 |
| Lamp Type | 230-watt replaceable lamp | |
| Estimated Lamp Life | 4000 hours (STD mode) / 3000 hours (Bright mode) | |
| Power Supply | Universal AC input 100 ~ 240V; 50/60 Hz | |
| Operational Noise | 30dB (STD mode) | |
| Dimensions (WxDxH) | 324mm x 234mm x 97mm | |
| Weight | 2.86 kg / 6.3 lbs | |
| Uniformity | 85 % | |

EX612/EX615

| Projection Distance (meter) | Image size range (inch) | |
|-----------------------------|-------------------------|---------------|
| | EX612 | EX615 |
| 1.5 | 34.3 - 37.9 | 38.4 - 46.1 |
| 2.0 | 45.8 - 50.5 | 51.3 - 61.5 |
| 3.0 | 68.7 - 75.7 | 76.9 - 92.3 |
| 4.0 | 91.6 - 101.0 | 102.5 - 123.0 |
| 5.0 | 114.5 - 126.2 | 128.2 - 153.8 |
| 10.0 | 228.2 - 252.4 | 256.3 - 307.6 |
| 12.0 | 274.7 - 302.8 | |



5-Year Color Guarantee & 5-Year Imager Guarantee

We are so confident that the EX612/EX615 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.



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 than others.

New Generation of BrilliantColor™

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™ 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 1073 million, presenting more natural & vibrant pictures.

Available from:

OP-EX612/EX615-200907