

EP759/EP758/EP751

# Ultra Bright Powerhouse



## Optoma's EP759™ - the World's First 3500 Lumens DLP™ Projector Under 8.0 lbs

Installation grade performance at a size you can handle. EP759™, EP758™, and EP751™ are perfect for a wide range of applications – from auditoriums and churches to classrooms or conference rooms. Designed with today's demanding multimedia presentations in mind, these robust, compact, ultra bright DLP™ business projectors function just as brilliantly when it comes to high definition film and video as they do with graphic presentations.

- Amazing **3500/3000/2500 lumens** (EP759/758/751) for powerful presentations anywhere
- Superior **2000:1** contrast ratio for home theater quality images as well as crisp graphics
- Exceptional **UXGA (1600 x 1200)** resolution and **HDTV** compatibility
- Convenient **DVI-HDCP**, Component, Composite, and S-Video inputs and monitor loop-through
- Revolutionary **Tunnel Cooling System** design for near-silent operation and minimal light leakage
- Full feature **Remote Mouse Control** with scroll wheel for easy navigation
- **RS-232** communications for external device control in installed environments
- **ECO mode** automatically selected to maximize lamp life when Picture Mute is enabled
- **Picture Mute** puts system directly into **ECO mode**, saving power and lamp life
- Unique **Pressure Sensor** controlled variable fan speed for higher altitude locations
- Advanced **DDR DLP™** technology by Texas Instruments for detailed graphics and video
- Perfect for use in rooms with bright ambient light or no window coverings

**Optoma**

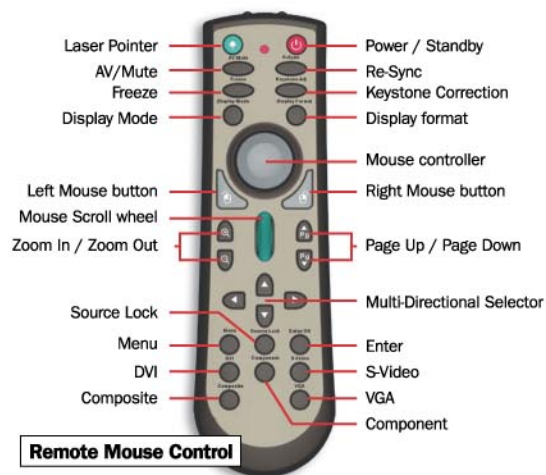
**HDTV**  
COMPATIBLE

**DVI**  
HDCP COMPLIANT

## Revolutionary Engineering



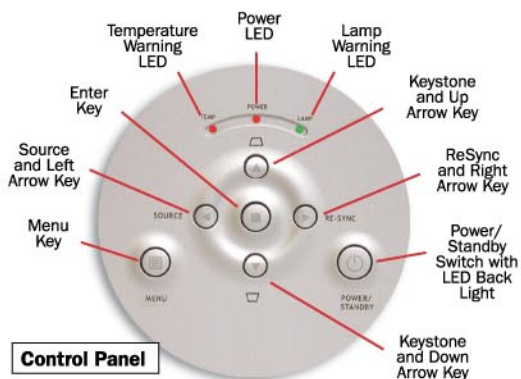
**Revolutionary Shield Design** prevents unwanted light emission and enables near silent operation. Through the strategic use of baffles within the cooling tunnel, air speeds are reduced resulting in a whisper quiet projector. *(patent pending)*



## Specifications

<b>Display Technology:</b>	Single 0.7-inch 12-degree Double Data Rate DLP™ technology from Texas Instruments
<b>Resolution:</b>	EP759/EP758/EP751: Native XGA (1024 x 768), XGA (1024 x 768) Compressed UXGA (1600 x 1200)
<b>Brightness (typical):</b>	EP759: 3500 lumens; EP758: 3000 lumens; EP751: 2500 lumens
<b>Contrast Ratio (full on/full off):</b>	2000:1
<b>Lamp Life (typical):</b>	2000 hours / 3000 hours (BriteMode™/ECO Mode)
<b>Throw ratio (distance/width):</b>	2.0:1 to 2.4:1
<b>Image Size (diagonal):</b>	29.5 to 246 inches (0.75 to 6.25 meters)
<b>Noise Level (typical):</b>	EP758/751: 30 dB BriteMode™ / 27 dB ECO Mode EP759: 33 dB BriteMode™ / 28 dB ECO Mode
<b>Remote Mouse Control:</b>	Full function with scroll wheel
<b>HDTV Compatibility:</b>	720p, 1080i, 576 p/i, 480p/i
<b>Monitor Loop Through:</b>	D sub 15 VGA output (functional in both normal and standby modes)
<b>Lamp Type:</b>	300W UHP (EP759) / 250W UHP (EP758/EP751)
<b>Projection Distance:</b>	4.9 to 32.8 feet (1.5 to 10 meters)
<b>Computer Compatibility:</b>	UXGA compressed, SXGA compressed, XGA, SVGA, VGA, VESA standards, PC & compatibles, Macintosh
<b>Video Compatibility:</b>	NTSC (M, 3.58/4.43 MHz), PAL (B, D, G, H, I, M, N), SECAM (B, D, G, K, K1, L), HDTV (720p, 1080i), EDTV (480p), SDTV (480i), 576i/p
<b>Aspect Ratio:</b>	4:3 native, 16:9 & 5:4 compatible
<b>Projection Lens:</b>	f = 28 – 33.6 mm, F/2.4 – 2.6, 1:1.2 manual zoom and focus
<b>Audio:</b>	Two 3-watt internal stereo speakers, with audio in and out minijacks
<b>Keystone Correction:</b>	Horizontal and Vertical
<b>Vertical Refresh Rate:</b>	43 to 120 Hz
<b>Power Supply:</b>	Input 100-240V, 50-60Hz
<b>Power Consumption:</b>	360 watts (maximum), standby mode <20 watts
<b>High Altitude Detection:</b>	Multiple sensors to detect altitude/operation environment for automatic cooling system adjustments
<b>Operating Temperature:</b>	41-95°F (5-35°C) (80% humidity), Adjustable fan speed for high altitude
<b>Displayable Colors:</b>	16.7 million colors
<b>Projection Method:</b>	Front/rear/ceiling-mount/table-top
<b>Uniformity:</b>	85%
<b>I/O Connectors:</b>	Inputs: DVI-HDCP, VGA, S-Video, Component video, Composite video, Audio minijack, USB, RS-232 Outputs: VGA monitor loop through, Audio minijack, USB, RS-232
<b>Standard accessories:</b>	AC power cord, VGA to DVI cable, Composite video cable, S-Video cable, VGA cable, USB cable, D-sub 15 to component (YPbPr) remote mouse control, battery for remote, lens cap, users guide, quick start guide, warranty card
<b>Optional accessories:</b>	Short throw lens, Ceiling mount kit, VGA to Component cable, DVI to DVI cable, soft carrying case
<b>Weight:</b>	7.5 pounds (3.4 kg)
<b>Dimensions (w x h x d):</b>	13.4 x 5 x 10.3 inches (340 x 127 x 260 mm)
<b>Warranty:</b>	2 years limited warranty, 90 days lamp
<b>UPC codes:</b>	EP759: 796435 11 569 2; EP758: 796435 11 568 5; EP751: 796435 11 591 3

## Control Panel



## I/O Ports

