

Data to Video, Day to Night



The All-Around Digital Display Device

The Optoma EP1690 is fully featured HD Ready digital projector that delivers performance for today's widescreen laptops, the latest DVDs and high-definition content. Featuring a native resolution of 1280x768 (WXGA), the EP1690 offers amazingly bright picture quality with 2500 lumens and a 2500:1 contrast ratio. Stylish, lightweight and amazingly versatile, the EP1690 goes from laptop to big screen home entertainment easily.

- Texas Instruments' latest DarkChip2 DMD chip with native 16:9 WXGA (1280x768) widescreen display for work and play versatility.
Dual true resolution support:
 - ① 16x10 (1280x768), native on WXGA
 - ② 16x9 (1280x720), native 720P HDTV compatible
- Bright and crisp picture quality with 2500 lumens and 2500:1 contrast ratio
- First data-projector with professional image quality:
 - ① 10-level BrilliantColor™ image adjustment brings truer, more vibrant colors to video and image viewing
 - ② Build-in multi-Gamma and color adjustment for each signal (by Optoma proprietary TrueVivid™ color enhancement technology)
- Extensive connectivity options, including DVI with HDCP and 4 audio and video inputs
- Innovative "wind tunnel" cooling system to deliver whisper quiet operation and prevent light leakage
- Security Timer function
- Full feature remote control with laser pointer and mouse
- Express on/off function to power on/off the projector in mere seconds

EP1690

Digital DLP® Projector



Excellent Connectivity

DVI-D, 2 VGA, S-Video, Composite and 4 audio inputs

5 preset user modes

Cinema, Bright, TV, sRGB, User

Remote Control with Mouse and LASER

Stay in control

PIN Number Security

Keep this projector to yourself

Specification

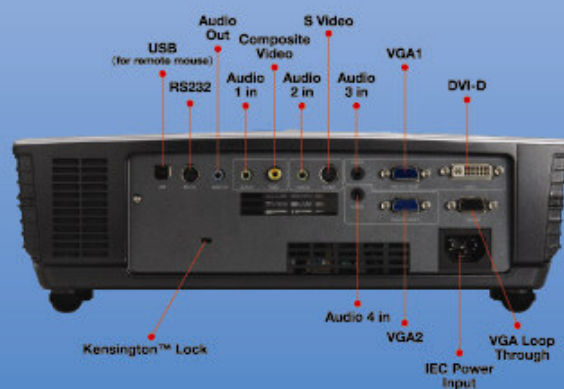
Display Technology	0.65" DDR DLP® Technology by Texas Instruments
Resolution	Native WXGA (1280×768)
Maximum Resolution	PC:UXGA (1600×1200), Video:720p,1080p
Computer Compatibility	UXGA, SXGA+, WXGA, XGA, SVGA, VGA Compression, VESA Standards, PC & Mac Compatible
Video Compatibility	HDTV (480i/p, 576i/p, 720p, 1080i/p), with 480i/576i De-Interlacing
Aspect Ratio	Native on 16:10 (WXGA 1280×768), also native on XGA (1024×768) Native on 16:9 (HDTV 720P 1280×720) widescreen, 4:3 compatible
Contrast Ratio	2500:1 (Full On/Full Off)
Displayable Colors	16.7 Million
Brightness (Typical)	2500 Lumens
Projection Lens	f = 22.25 ~ 26.69 mm, F/ 2.5 ~ 2.8, Manual Focus
Throw Ratio	1.58 to 1.90:1
Projection Screen Size (Diagonal)	0.91 to 8.2 m (36" to 323")
Projection Distance	5 to 37 feet (1.5 to 11 m)
Horizontal Scan Rate	15 ~ 100 KHz
Vertical Scan Rate	56 ~ 85 Hz
Lamp Type and Life	220W UHP, 2000/3000 Hours (STD/Bright Mode)
Keystone Correction	±15° Vertical and Horizontal
Audio	One 3-Watt Speaker
Weight	3.2 kg (7 lbs)
Dimensions (W×D×H)	13.56"×3.72"×9.67" (344×94×246 mm)
Remote Control	Full Feature Remote Control with Laser Pointer and Mouse
Power Supply	AC Input 100 ~ 240 Volts, 50 ~ 60Hz
Power Consumption	295 Watts ±10% Full Power, <13W Standby Power
Operating Temperature	Operating: -5 ~ 35°C, 80% Humidity (Max) Storage: -20 ~ 60°C, 80% Humidity (Max)
Noise Level (STD/BriteMode)	27/30dB
Uniformity	85%
I/O Connectors	DVI-D w/HDCP, Two VGA, S-Video, Composite Video, Four Audio Inputs, USB, RS-232, VGA-Out with audio output
Security	One Kensington Lock Port
Standard Accessories	AC Power Cord, 15-Pin VGA Cable 1.8m, Composite Cable 1.8m, RS-232 Cable, Remote Control includes Batteries, Lens Cap, Soft Carry bag, Quick Start Guide, Warranty Card and User's Manual
Optional Accessories	Ceiling Mount, 15-pin to 3 RCA Component – HDTV Adapter, S-Video Cable, DVI to DVI Cable, DVI to HDMI Adapter

PROJECTION DISTANCE/IMAGE SIZE

Projection Distance (feet)	Max. Diagonal 16:10 (inches)	Min. Diagonal 16:10 (inches)
2.5	73.5	61.1
3	88.2	73.3
4	117.5	97.7
5	146.9	122.2

PROJECTION DISTANCE/IMAGE SIZE

Screen Size 16:10 (inch)	Max. Projection Distance (meter)	Min. Projection Distance (meter)
80	2.72	3.27
90	3.06	3.68
100	3.40	4.09
120	4.08	4.91



Available from:



www.optoma.com

*Typical lamp life achieved through testing. Will vary according to operational use and environment conditions.

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