

# EP1690 Digital Projector

## Data to Video, Day to Night –

### The EP1690 is Your All-Around Digital Display Device

The Optoma EP1690 is a native 16:9 digital projector that delivers performance for today's widescreen laptops, the latest DVDs and high-definition content. Featuring a native resolution of 1280 x 768, 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.



## Features

- Native 16:9 WXGA (1280 x 768) widescreen display for work and play versatility
- DarkChip2™ DLP® technology by Texas Instruments ensure that images don't fade or degrade over time
- Bright and crisp picture quality with 2500 lumens and 2500:1 contrast ratio
- Optoma's exclusive Widescreen Maximizer™ (available from [www.OptomaUSA.com](http://www.OptomaUSA.com)) guarantees perfect picture matching between the video source and projector
- Extensive connectivity options, including DVI with HDCP and 4 audio and video inputs
- Express on/off function to power on/off the projector in mere seconds
- Innovative "wind tunnel" cooling system to deliver whisper quiet operation and prevent light leakage



## Specifications

### Brightness

2500 Lumens (typical)

### Resolution

Native WXGA (1280 x 768)  
WXGA (1280 x 768), PC Max  
720p, 1080p Video Max

### Contrast Ratio

2500:1 (full on/off)

### Lamp Life and Type

2500 Hours (ECO)  
220W UHP

### Display Type

0.65" DDR DLP® Technology  
by Texas Instruments

### Throw Ratio

1.58 to 1.90:1 (Distance/Width)

### Projection Distance

5' to 40'  
(1.5 to 12 m)

### Image Size

28" to 300"  
(0.71 to 7.62 m)

### Remote Control

Full Feature Remote Control  
with Laser Pointer and Mouse

### PC Compatibility

SXGA+, UXGA, XGA, SVGA,  
VGA Compression, VESA  
Standards, PC Compatible

### Video Compatibility

HDTV (480i/p, 576i/p, 720p, 1080i/p)  
with 480i/576i De-Interlacing

### Projection Lens

F/2.5 - 2.8, f = 22.25 - 26.69 mm

### I/O Connections

DVI-D w/HDCP, Two VGA  
(YPbPr/RGB/SCART), S-Video,  
Composite Video, Four Audio  
Inputs, USB, RS-232, VGA-Out

### Operating Temperature

5 to 35 C°, 80% Max Humidity

### Storage Temperature

-20 to 60 C°, 80% Max Humidity

### Uniformity

85%

### Dimensions (W x H x D)

13.56" x 3.72" x 9.67"  
(344 x 94 x 246 mm)

### Weight

7 lbs (3.2kg)

### Noise Level

30dB (STD)  
27dB (ECO)

### Power Supply

AC Input 100-240 Volts, 50 - 60Hz

### Power Consumption

295 Watts ± 10% Full Power,  
<13W Standby Power

### Warranty

2 Years Limited Parts and Labor,  
90 Days Lamp

### Standard Accessories

AC Power Cord, VGA to VGA,  
S-Video, RS-232 Cable, Remote  
Control, Batteries for Remote,  
Lens Cap, Quick Start Guide,  
Warranty Card and User's Manual

### Optional Accessories

Bering Ceiling Mount, 15-pin  
to 3 RCA Component – HDTV  
Adapter, Composite Cable,  
DVI to DVI Cable, DVI to HDMI  
Adapter, Gold Service Warranty  
and GrayWolfII™ Series Screens

### UPC:

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