

# EH490 High Definition Data and Business Projector



-  Full HD 1080p Installation Data and Business projector
-  Bright Projection - 4600 ANSI lumens
-  Vertical and Horizontal Keystone
-  Vertical Lens Shift
-  Full control over LAN and RS-232C
-  Four corner correction - For a quick installation onto uneven walls and for image stacking



The Optoma EH490 is a full HD 1080p Installation projector, offering bright, crystal clear images, and a variety of advanced features to facilitate a quick installation. EH490 DLP® technology provides accurate colors and great contrast for dark images.

Features include: Four corner correction, Horizontal and Vertical Keystone together with 1.6x zoom range permit an easy setup and usability from any angle.

Equipped with a variety of inputs, including HDMI built in MHL technology, EH490 allows you to connect to a wide variety of HD devices to easily display your content. In addition, the environmentally friendly EH490 has energy saving features including Eco+ lamp power management, <0.5W standby mode and auto power off, saving you both time and money by prolonging your lamp life.



## CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Digital Cameras



Apple TV®

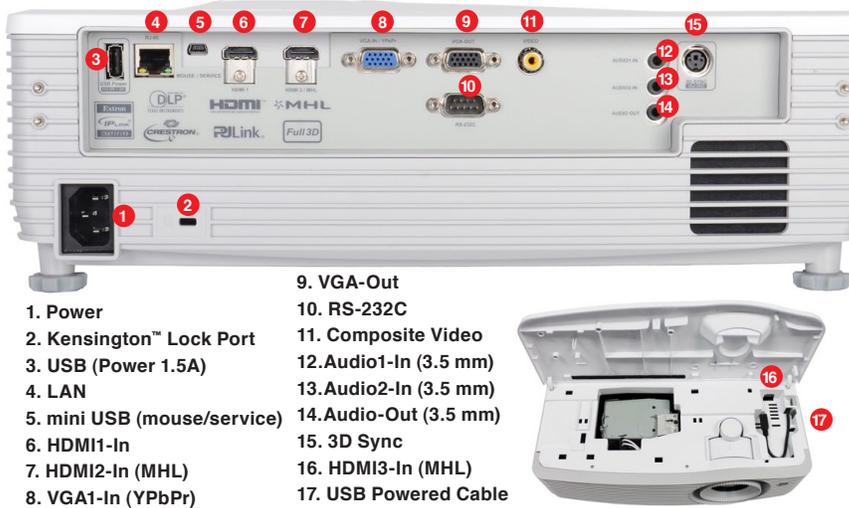


Chromecast™

## TECHNOLOGY/FEATURES



## Full HD 1080p Installation DLP projector – EH490



1. Power
2. Kensington™ Lock Port
3. USB (Power 1.5A)
4. LAN
5. mini USB (mouse/service)
6. HDMI1-In
7. HDMI2-In (MHL)
8. VGA1-In (YPbPr)
9. VGA-Out
10. RS-232C
11. Composite Video
12. Audio1-In (3.5 mm)
13. Audio2-In (3.5 mm)
14. Audio-Out (3.5 mm)
15. 3D Sync
16. HDMI3-In (MHL)
17. USB Powered Cable



### OPTICAL/TECHNICAL SPECIFICATIONS

<b>Display Technology</b>	Single 0.65" 1080p chip, DLP® Technology from Texas Instruments™
<b>Native Resolution</b>	1080p (1920 x 1080)
<b>Maximum Resolution</b>	1080p (1920 x 1080)
<b>Brightness</b>	4600 ANSI Lumens
<b>Contrast Ratio</b>	10,000:1 (full on/full off)
<b>Displayable Colors</b>	1.07 Billion
<b>Lamp Life</b>	3000/3500 Hrs (Bright/Eco Mode)
<b>Lamp Type<sup>1</sup></b>	310-Watt
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±30° Vertical; ±30° Horizontal
<b>Uniformity</b>	70%
<b>Offset</b>	99% – 116%
<b>Lens Shift</b>	Vertical: +17% (constraints apply see user manual for details)
<b>Geometry</b>	Four corner adjustment for each individual point
<b>Aspect Ratio</b>	16:9 (Native), 4:3, Auto
<b>Throw Ratio<sup>2</sup></b>	1.41:1~2.24:1
<b>Projection Distance</b>	51.18"–370" (1.3–9.4 m)
<b>Image Size</b>	26.2"~301.1" (0.66–7.64 m), Diagonal 16:9
<b>Projection Lens</b>	F=2.5~3.26, f=20.91~32.63 mm; manual focus
<b>Optical Zoom</b>	1.6x Manual zoom
<b>Digital Zoom</b>	0.8–2.0
<b>Speaker</b>	Two 16-Watt Speaker
<b>Noise Level</b>	29dB
<b>Remote Control</b>	IR remote
<b>Operating Temperature</b>	41~113°F (5~45°C), 85% max humidity
<b>Power Supply</b>	AC input 100–240V, 50–60 Hz, auto-switching
<b>Power Consumption</b>	421W Max (Bright), 329W Max (ECO), <0.5W (Standby)
<b>High Altitude</b>	Operating Temperature at sea level 10,000 feet = 73.4°F (23°C) max; must manually switch to high altitude mode at 5,000 feet

### PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, security bar, and keypad lock
<b>Weight</b>	10.2 lb (4.6 kg)
<b>Dimensions (W x H x D)</b>	14.5" x 5.2" x 12" (369 x 132 x 295 mm)

### COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	UXGA, SXGA, XGA, SVGA, VGA, WXGA, 1080p, Mac
<b>Video Input Compatibility</b>	PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25MHz, 4.4MHz, 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)
<b>3D Compatibility<sup>3</sup></b>	Side-by-Side: 1080i(50/60Hz) Frame-pack: 1080p(24Hz), 720p(50/60Hz) Over-Under: 1080p(24Hz), 1080i(50/60Hz), 720p(50/60Hz) 3D glasses are needed and are sold separately. Refer to user manual for details.
<b>Vertical Scan Rate</b>	24–85 Hz (120 Hz for 3D feature projector)
<b>Horizontal Scan Rate</b>	15.375–91.146 KHz
<b>User Controls</b>	Complete on-screen menu, adjustments in 26 languages
<b>I/O Connection Ports</b>	3x HDMI 1.4a (2 with MHL, 2 rear and 1 on top), 1x VGA-In, 1x VGA-Out, 1x Composite Video (RCA-Y), 2x Audio-In (3.5mm jack), 1x Audio-Out (3.5mm jack), 1x RS-232C (9pin d-sub), 1x mini-USB (service/control), 1x USB-A (5V/1.5A out), RJ45 (LAN), 1x 3D vesa port, AC power (3 pin)
<b>Wireless Compatibility</b>	WHD200 (Source lock on), Chromecast™, FireTV™ Stick, HDCast PRO - BLACK

#### Warranty

3-Year Optoma Express Service, 1-Year on Lamp

#### In the Box (Standard Accessories)

EH490 projector, AC power cord, VGA cable, remote control, batteries, multilingual CD-ROM user's manual, basic user manual and warranty card

#### Optional Accessories

Universal ceiling mount, Optoma screen, DLP® Link™ 3D glasses, wireless HDMI system

#### Accessory Part Numbers

Lamp: SP.70B01GC01  
RF 3D Glasses: ZF2300Glasses  
DLP® Link™ 3D glasses: ZD302  
Wireless HDMI system: WHD200, HDCast PRO - BLACK  
Universal ceiling mount: OCM815B, OCM815W, OCM818B-RU, OCM818W-RU

UPC 796435 41 981 3

<sup>1</sup>Lamp life is dependent upon many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time

<sup>2</sup>3D content can be viewed with RF of DLP® Link active shutter 3D glasses when projector is used with a compatible 3D player. RF 3D glasses require the use of an RF 3D emitter and a projector with a 3D VESA Sync port. Please visit [www.OptomaUSA.com](http://www.OptomaUSA.com) for more information.

<sup>3</sup>±5% variance