Optoma

EH416e
Compact and powerful Full HD 1080p projector

Eco⁺ 3D AUTO OFF

- **Bright Full HD 1080p projector – 4200 ANSI lumens**

- **Installation flexibility – Vertical lens shift and 1.6x zoom**

- **Ultimate control - Full support for Crestron, Extron, AMX, PJ-Link and Telnet LAN commands**

- **Easy connectivity - HDMI, MHL, VGA, 10W speaker**

Project high resolution visuals regardless of the ambient light level using the bright full HD 1080p EH416. Designed for businesses and professional installation environments this compact and powerful projector can be installed or taken on the move. Perfect for small edge blending and stacking projects.

Easy to connect to with multiple inputs including two HDMI, MHL, VGA and a built in 10W speaker. You can even present wirelessly using the HDCast Pro (sold separately) or use the USB Power to connect and power HDMI dongles such as the Google Chromecast.

Specifications

Display/image

Display technology	DLP™
Resolution	1080p Full HD (1920x1080)
Brightness	4,200 lumens
Contrast ratio	20,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3
Keystone correction - vertical	+/-40°
Horizontal scan rate	15 ~ 91Khz
Vertical scan rate	24 ~ 85(120 for 3D)Hz
Uniformity	80%
Screen size	0.67m ~ 7.7m (26.21" ~ 303.3") diagonal

Lamp info

Light source type	Lamp
Lamp watts	240
Lamp life hours (up to)	4000 (Bright), 8000 (Dynamic), 10000 (Eco), 15000 (Eco+)

Optical

Throw ratio	1.4:1 ~ 2.24:1
Projection distance (m)	1.3m - 9.4m
Zoom	1.6
Zoom type	Manual
Focal length (mm)	20.91 ~ 32.62
Lens shift	Vertical +17%
Native offset	99%

Connectivity

Connections	**Inputs** 1 x HDMI 1.4a 3D support + MHL, 1 x HDMI 1.4a 3D support, 1 x VGA (YPbPr/RGB), 1 x Composite video, 2 x Audio 3.5mm
	Outputs 1 x VGA (YPbPr/RGB), 1 x Audio 3.5mm, 1 x USB-A power 1A
	Control 1 x RS232, 1 x RJ45, 1 x mini USB mouse/service

General

Noise level (typical)	32dB
Noise level (max)	34dB
PC compatibility	FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4,43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
3D compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
3D	Full 3D
Security	Security bar, Kensington Lock, Password protected interface
OSD / display languages	21 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish
Operating conditions	5°C ~ 40°C, Max. Humidity 85%, Max. Altitude 3000m
Remote control	Data remote with laser and mouse function
Speaker count	1
Watts per speaker	10W
In the box	AC power cord
	Remote control
	2x AAA batteries
	Basic user manual
Optional wireless models	HDCast Pro, QuickCast Bundle, QuickCast starter kit, WHD200

Networking

LAN - control	Yes

Power

Power supply	100 ~ 240V, 50 ~ 60Hz
Power consumption (standby)	0.5W
Power consumption (min)	249W
Power consumption (max)	309W

Weight and dimensions

Dimensions (W x D x H) mm	315 x 224 x 114
Gross weight	3.8 kg
Net weight	3.23 kg