The Optoma EH416 is the ideal 1080p projector for corporate, house of worship and higher education applications. The EH416 is loaded with a host of features including 4200 lumens, advanced optical lens, 1920 x 1080 resolution, a massive 1.6x Zoom, SRGB support, and 20000:1 contrast ratio. Whether you are deliver quarter earnings, a sales presentation or daily science lesson, the EH416 impresses with an incredibly bright image, vivid colors, and deep blacks.

sRGB color profile enables rich accurate color, based on the primaries of Rec.709 HDTV specification when used with a PC, Mac, or any sRGB compatible source. Wall Color Adjustment is designed to compensate for the loss of brightness when projecting on non-white projection surfaces in various environments. This feature is extremely useful in classrooms, conference rooms, training rooms or anywhere the presenter may be using a colored wall, blackboard, chalkboard, or whiteboard for the projection surface.

The EH416 features a new cutting edge optical lens, 1.6x Zoom, and Vertical Lens Shift to ease installations. Edge Mask eliminates soft edges and jaggies on border of the projection image to produce a smooth, consistent image. The included carrying bag makes the EH416 perfect for meetings in the field, presentations in the conference room or trainings in the classroom.
BRIGHT 1080P PROJECTOR - EH416

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology  Single 0.65” DC3 DMD DLP® Technology by Texas Instruments™
Native Resolution  1920x1080 1080p FullHD
Maximum Resolution  1920x1080 1080p FullHD
Brightness  4200 Lumens
Contrast Ratio  20000:1
Displayable Colors  1.07 Billion
Lamp Life and Type†  6500/5000/5000/3000 – ECO+/Dynamic/ECO/Bright
Projection Method  Front, rear, ceiling mount, table top
Keystone Correction  ±40° Vertical
Vertical Lens Shift  17%
Uniformity  75%
Offset  115%@45%
Aspect Ratio  16:9 (native), auto, 16:10, 4:3, LBX
Throw Ratio  1.4 - 2.24
Projection Distance  4.26” - 30.8” (1.3 - 9.4 m)
Image Size  26.21” – 303”
Projection Lens  F=2.5– 3.26, f=20.91 ~ 32.62 mm manual focus
Optical Zoon  1.6x
Digital Zoom  0.8 - 2.0
Audio  10W Mono Speaker
Noise Level  29dB
Remote Control  Full Function Remote with Laser Pointer
Operating Temperature  41–104°F (5–40°C), 85% max humidity
Power Supply  AC input 100–240V, 50–60Hz, auto-switching
Power Consumption  321W Bright (Typical), 353W Bright (Max), 257W ECO (Typical), 283W ECO (MAX)
High Altitude  Operating Temp @ Sea Level to 10000 feet = 23°C (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD)

COMPATIBILITY SPECIFICATIONS

Computer Compatibility  WUXGA, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac
Video Compatibility  NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
3D Compatibility†  Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e. 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
Vertical Scan Rate  24–85Hz, 120Hz
Horizontal Scan Rate  15.375–91.146KHz
User Controls  Complete on-screen menu adjustment in 26 languages
I/O Connection Ports  2x HDMI 1.4v with MHL, VGA-In, VGA-Out, Composite Video, 2xAudio-In (3.5mm), Audio-Out (3.5mm), RJ-45, USB Power, USB-B Mini (service), RS232C
Loop Through (Audio)  Yes

PHYSICAL SPECIFICATIONS

Security  Kensington® lock, security bar and keypad lock
Weight  6.8 lbs
Dimensions (W x H x D)  12.36” x 4.48” x 8.81”