

# Super bright 1080p projection

## EH465



### Wireless presentation and multimedia



- Extraordinarily bright 1080p projection with 4,800 lumens and 20,000:1 contrast ratio
- Extensive I/O connectivity with HDMI, VGA, audio, RJ45, USB and RS-232C
- PC-free USB image viewer and office document reader
- Wireless presentations and images with HDCast Pro (optional USB Wi-Fi adapter required)
- 1.5x zoom & 4 corner correction for robust installations in any environment
- USB display screen mirroring with iOS and Android devices
- LAN display via Ethernet with Windows and Mac OS X



The bright 4,800 lumen 1080p Optoma EH465 is the ultimate projector for classrooms, boardrooms and multi-purpose offices. Its 20,000:1 contrast ratio, sRGB and REC.709 color profile support produce luminous images with accurate colors visible practically any time of day.

A PC-free image viewer and document reader displays office documents, PDFs and images from USB storage devices. Optional QuickCast Pro 4K Kit provides wireless screen mirroring with Android, iOS, Mac OS and Windows devices.

LAN display supports up to 4 simultaneous computers while USB display mirrors Android and iOS devices. A 1.5x zoom and four corner geometry correction allows flexible installations while robust input options include HDMI, VGA and RJ-45 for connectivity to a wide range of devices.

### CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

## SUPER BRIGHT 1080P PROJECTION— EH465

### OPTICAL/TECHNICAL SPECIFICATIONS

|                              |   |
|------------------------------|---|
| <b>Display Technology</b>    | Single 0.65" DMD S600, DC3 chip DLP® Technology by Texas Instruments  |
| <b>Color Wheel</b>           | RYGBW   |
| <b>Native Resolution</b>     | 1080p (1920x1080)   |
| <b>Maximum Resolution</b>    | WUXGA (1920x1200)   |
| <b>Brightness</b>            | 4,800 ANSI lumens   |
| <b>Contrast Ratio</b>        | 20,000:1  |
| <b>Displayable Colors</b>    | 1.07 billion  |
| <b>Lamp Life and Type*</b>   | 4500/3500/2500 (EDU/ECO/Bright) - 285W  |
| <b>Projection Method</b>     | Front, rear, ceiling mount, table top   |
| <b>Keystone Correction</b>   | ± 30° vertical / ± 25° horizontal   |
| <b>Keystone Distortion</b>   | ±0.5% max   |
| <b>Geometry Correction</b>   | 4 corner correction with individual point adjustment  |
| <b>Uniformity</b>            | 75%   |
| <b>Offset</b>                | 114.9%±5%   |
| <b>Aspect Ratio</b>          | 16:9 (native), 16:10, 4:3 and LBX compatible  |
| <b>Throw Ratio</b>           | 1.39 - 2.09   |
| <b>Projection Distance</b>   | 3.93' - 49.1' (no zoom)   |
| <b>Image Size</b>            | 25.9" - 324.9"  |
| <b>Projection Lens</b>       | F=2.42 ~2.97, f=20.70 ~ 31.05mm manual  |
| <b>Optical Zoom</b>          | 1.5x  |
| <b>Digital Zoom</b>          | 0.8 - 2.0   |
| <b>Audio</b>                 | 10W   |
| <b>Noise Level</b>           | 31dB/37dB (ECO/Bright)  |
| <b>Remote Control</b>        | Full size remote  |
| <b>Operating Temperature</b> | 41–104°F (5–40°C), 85% max humidity   |
| <b>Power Supply</b>          | AC input 100–240V, 50–60Hz, auto-switching  |
| <b>Power Consumption</b>     | 370W typical (Bright mode), 390W max (Bright mode), 300W typical (Eco+ mode), 320W max (Eco+ mode)                                  |
| <b>High Altitude</b>         | Operating temp @ sea level up to 10000 feet = 23F (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD) |

### MULTIMEDIA AND PRESENTATION FEATURES

|   |   |
|---|---|
| <b>Wireless Screen Mirroring</b>                | Windows, Mac and Android devices (requires HD Cast Pro app)   |
| <b>LAN Display (Ethernet)</b>                   | Screen mirroring with Windows and Mac systems, up to 4 simultaneous users (requires HD Cast Pro app)                                |
| <b>USB Display</b>                              | Screen mirror with Android and iOS devices over USB cable (requires HD Cast Pro app)  |
| <b>PC-free Image Viewer and Document Viewer</b> | Supports viewing of office documents (Word, Excel & Powerpoint [animations not supported]), PDFs and images via USB storage devices |
| <b>PC-free Image Format Support</b>             | JPEG  |

### COMPATIBILITY SPECIFICATIONS

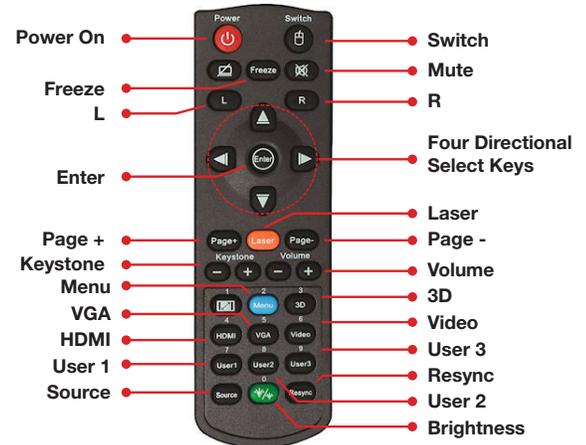
|                                  |   |
|----------------------------------|---|
| <b>Computer Compatibility</b>    | FHD, HD, WXGA, UXGA, SXGA, XGA, SVGA, VGA, Mac  |
| <b>Video Input Compatibility</b> | PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, L) HD (1080i, 720p)  |
| <b>3D Compatibility†</b>         | Side-by-side: 1080i50 / 60, 720p50 / 60<br>Frame-pack: 1080p24, 720p50 / 60<br>Over-under: 1080p24, 720p50 / 60   |
| <b>Vertical Scan Rate</b>        | 15 - 91kHz  |
| <b>Horizontal Scan Rate</b>      | 25 - 85Hz (120Hz for 3D)  |
| <b>User Controls</b>             | Complete on-screen menu adjustment in 26 languages  |
| <b>I/O Connection Ports</b>      | 2xHDMI (with MHL), VGA-in, VGA-out, audio-in (3.5mm), audio-out (3.5mm), RJ-45, 1x USB (Wi-Fi adapter), 1x USB (USB reader and USB power), USB-B Mini (service), 12V trigger (3.5mm), RS-232C |
| <b>Loop Through (Audio)</b>      | Yes   |

\*Light source life is dependent upon many factors, including brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

†3D content can be viewed with DLP Link active shutter 3D glasses when projector is used with a compatible 3D player. Please visit [www.OptomaUSA.com](http://www.OptomaUSA.com) for more information.



- |                   |                      |                        |
|-------------------|----------------------|------------------------|
| 1. HDMI1-In       | 6. RJ-45             | 11. Audio-Out          |
| 2. HDMI2-In (MHL) | 7. 12V-Out           | 12. USB Reader/Display |
| 3. RS-232C        | 8. USB Wi-Fi Adapter | 13. AC Power           |
| 4. VGA-In/YPbPr   | 9. Mouse service     | 14. Kensington™ Lock   |
| 5. Audio-In       | 10. VGA-Out/YPbPr    |                        |



### PHYSICAL SPECIFICATIONS

|                               |  |
|-------------------------------|--|
| <b>Security</b>               | Security bar, Kensington lock, password protection |
| <b>Weight</b>                 | 6.75 lbs.  |
| <b>Dimensions (W x H x D)</b> | 12.20" x 8.66" x 3.93"                             |

#### Warranty

2 Year parts and labor limited warranty on the projector, 90 days lamp warranty

#### What's in the Box

EH465 projector, AC power cord, remote control, batteries for remote, quick start user manual

#### Accessories

Lamp (replacement): BL-FP285A  
 Remote (replacement): BR-5011L  
 Wi-Fi adapter (required for HDCast Pro functions): WUSB  
 Universal ceiling mount: OCM818W-RU  
 Universal ceiling mount: BM-5001U  
 Universal ceiling mount (with extensional pole): OCM815W  
 QuickCast Pro 4K HDMI starter kit: QCP-SK-4K-HDMI (1 TX and 1RX)  
 QuickCast Pro 4K HDMI starter kit: QCP-4K-KIT (2 TX, 1 RX, 1 Cradle)  
 Carrying case: BK-4028

UPC 796435 44 105 0

[www.OptomaUSA.com](http://www.OptomaUSA.com)



Copyright © 2018 Optoma Technology, Inc. DLP® and the DLP logo are registered trademarks of Texas Instruments™. All other trademarks are the property of their respective owners. All specifications subject to change at any time. 06222020