

## HD82 - Home Theater Projector

### Revolutionary Functionality, Stunning Images

The Optoma HD82 is a revolutionary combination of the finest home theater technologies. Utilizing Optoma's exclusive PureMotion Technology and a 1080p DLP® chipset from Texas Instruments, the HD82 delivers excellent color saturation and subtle details by smoothing motion and reducing judder. Through this unique combination of amazing motion processing, ISFccc Day and Night certified modes and user friendly features, the HD82 delivers superior theater experience for the most demanding custom installations.



### Features

- Optoma's PureMotion Technology enhances image quality by reducing judder
- Native 1080p DarkChip3™ DLP technology by Texas Instruments
- Features Optoma's PureShift Technology for easy installation
- 1300 lumens and a 20,000:1 contrast ratio with DynamicBlack
- Full function, backlit remote with discrete IR codes and secondary convenience remote
- ISF Certified Calibration Controls, with Day and Night modes



### Specifications

#### Display Technology

Single 0.65" DarkChip3 DMD DLP Technology by Texas Instruments

#### Brightness

1300 ANSI Lumens

#### Resolution

Native 1080p (1920 x 1080)

#### Contrast Ratio

680:1 ANSI Contrast  
20,000:1 (Max) w/ DynamicBlack

#### Image Processing

True 10-Bit Full HD Processing  
3 Stage Optoma Image Processing

#### Iris Control

DynamicBlack Technology

#### Lamp Life and Type

3000/2000 Hours (STD/Bright)  
220W UHP

#### Throw Ratio (Distance/Width)

1.49 to 2.28:1

#### Image Size

29.8" to 297.3" (0.75 to 7.55 m)

#### Projection Distance

4.92' to 49.66' (1.5 to 15.13 m)

#### Aspect Ratio

Native 16:9, Fully automatic 2.35:1 w/Anamorphic Lens

#### Lens Shift

Manual V105 – 130%  
H±15%/V105%

#### Projection Lens

Manual 1.5x Zoom

#### Displayable Colors

1.07 Billion

#### Computer Compatibility

HD, UXGA, SXGA+, WXGA, SXGA, XGA, SVGA, VGA, VESA, PC and Macintosh Compatible

#### Video Compatibility

Full NTSC, PAL, SECAM, True HDTV (720p, 1080i/p), 480i/p, 576i/p

#### Keystone Correction

±5° Vertical

#### Uniformity

80%

#### I/O Connection Ports

Two HDMI v1.3 w/Deep Color, DVI w/HDCP, VGA-In, S-Video, Composite Video, Component Video, RS-232, Two +12V Trigger

#### Security

One Kensington® Lock Port

#### Weight

18.5 lbs (8.4 kg)

#### Dimensions (W x H x D)

14.6" x 7.6" x 19.2"  
(371 x 194 x 490 mm)

#### Noise Level

22dB/26dB (STD/Bright)

#### Storage Temperature

-4 - 140°F (-20 - 60°C), 80% Humidity

#### Operating Temperature

41 - 95°F (5 - 35°C), 80% Humidity

#### Power Supply

AC Input 100-240V, 50-60 Hz

#### Power Consumption

Max. 345W, Min. 232W

#### Standard Accessories

AC Power Cord, Composite Video Cable, Remote Control, Secondary Convenience Remote, Batteries for Remote, Lens Cap, User's Manual, Warranty Card and Quick Start Guide

#### Optional Accessories

Anamorphic Lens Kit, Ceiling Mount, HDMI Cable, DVI Cable, VGA to VGA Cable, Component Cable, S-Video Cable, RS-232 Cable and Panoview Series Screens

#### Warranty

3 Years Optoma Express Replacement Service, 1 Year on Lamp

#### UPC

796435 21 196 7

#### Accessory Part Numbers

Lamp: BL-FU220D  
Remote: BR-3041B  
Mount: BM-5001U  
Lens: BX-AL133B  
2nd Remote: BR-1002N