

HD8300 - Home Theater Projector

Designed for Smooth and Subtle Home Theater Projection

Optoma's HD8300 delivers high-quality color and smooth motion performance for unbeatable home theatre performance. PureColor technology ensures vivid, balanced and uniform color for vibrant and natural looking images. Lens shift capabilities allow installers to optimize performance for the layout and room size of each individual installation. Meanwhile, ISFccc calibration lets the technician capture best picture quality for the environment and lighting conditions. Support for both 2D and 3D* operation ensures that viewers can enjoy the broadest array of media today and into the future.

*3D source, 3D content & 3D glasses are required for 3D viewing

Features

- PureMotion4D processing ensures smooth and judder-free images for greater realism
- Latest 1080p DarkChip3 DLP® technology by Texas Instruments
- Features full lens shift for flexible projector placement
- 1080p 3D ready for high definition 3D source
- 1500 lumens and a 30,000:1 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" 1080p DarkChip3™
DLP Technology by Texas Instruments

Brightness

1500 ANSI Lumens

Resolution

Native 1080p (1920 x 1080), 2D/3D

Contrast Ratio

2000:1 (Full On/Full Off)
30,000:1 (Max) w/ DynamicBlack

Image Processing

True 10-Bit Full HD Processing
3 Stage Optoma Image Processing
and 9-step manual setting

Iris Control

DynamicBlack Technology

Lamp Life and Type

4000/3000 Hours (STD/Bright)
280W P-VIP

Throw Ratio (Distance/Width)

1.5 to 2.25

Projection Distance

4.9' to 32.8' (1.5 to 10m)

Image Size (Diagonal)

29.8" to 297.3" (0.76 to 7.55m)

Uniformity

85%

Noise Level

28dB

Displayable Colors

1.07 Billion

Lens Shift

Manual V105 - 130%, H±15%@V105%

Projection Lenses

Standard: F= 2.45-2.9, f = 22.18-33.27
mm, 1.5x Manual Zoom and Focus

Aspect Ratio

Native 16:9, Fully Automatic 2.35:1 with
Anamorphic Lens

Keystone Correction

±5° Vertical

Security

Kensington® Lock Port

Projection Method

Front, Rear, Ceiling Mount, Table Top

User Controls

Complete On-Screen Menu Adjustments
in 22 Languages

I/O Connectors

Two HDMI v1.4a, VGA-In, Composite
Video, Component Video, RS-232, Two
12v Trigger, Mini USB-B, VESA 3D Port

Remote Control

Backlit Remote Control with Discrete IR
Codes for Power and Source
Selection, Magnetically Attached
Convenience Remote

Computer Compatibility

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

Video Compatibility

1080P 3D, 720p 3D, HD (1080i/p, 720p),
EDTV (480p/576p), NTSC, PAL, SECAM

Horizontal Scan Rate

15.3 to 91.1 kHz

Vertical Scan Rate

24 to 85 Hz, 120Hz



Weight

18.5 lbs (8.4 kg)

Dimensions (W x H x D)

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

Power Supply

AC Input 100-240V, 50-60Hz,
Auto-Switching

Power Consumption

360 Watts (Bright), 305 Watts (STD),
<0.5 Watt (Standby)

Operating Temperature

41 to 95°F (5 to 35°C), 85% Max
Humidity, Adjustable Fan Speed for
High Altitude Application

Standard Accessories

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

Optional Accessories

Ceiling Mount, HDMI Cable, VGA Cable,
S-Video Cable, Component Cable,
Lens Option, Anamorphic Lens Kit,
and Panoview™ Series Screens, DLP
Link Glasses, 3D-RF Glasses

Warranty

3-Years Optoma Express Replacement
Service, 2-Years on Lamp

UPC

796435 41 718 5

Accessory Part Numbers

Lamp: BL-FP280F
Primary Remote: BR-3058B

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