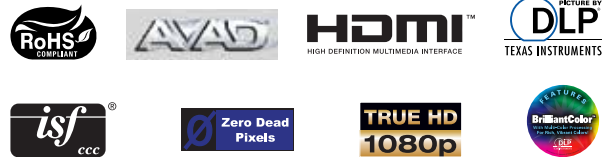# HD8600 – Home Theater Projector

Performance and Versatility without Peer

The HD8600 is bright, bold and driven to perfection by Optoma's PureEngine image processing technologies. Movie aficionados will be astounded at how the HD8600's exclusive PureMotion2 processing seamlessly adapts film content with remarkably smooth motion and depth. Comprised of ED glass elements optically matched by our experienced engineers, the HD8600's three lens options coupled with full lens shift optimize installation for a variety of environments. The all-new comprehensive Color Management System allows powerful adjustments of the HD8600's extensive color gamut. Certified technicians can perfect the setup using ISFccc Day and Night modes. The Optoma HD8600 sets a new standard for home theater excellence.

Features

- PureMotion2 processing ensures images are smooth and judder-free for greater realism
- Latest 1080p DarkChip3™ DLP® technology by Texas Instruments
- Features full lens shift for flexible projector placement
- Three lens choices, all with PureOptics (Extra Low Dispersion glass lens elements for brighter, sharper images), create a wide range of installation options
- 1600 ANSI lumens and a 50,000:1 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

Resolution
Native 1080p (1920 x 1080)

Brightness
1600 ANSI Lumens

Contrast Ratio
50,000:1 (Max) w/DynamicBlack

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

Iris Control
DynamicBlack Technology Programmable 9-Step Lens Iris

Lamp Life and Type
3000/2000 Hours (STD/Bright) 280W P-VIP

Displayable Colors
1.07 Billion

Lens Shift
Vertical 30~110% Offset (80% Image Height Shift Range) Horizontal ±5% Image Width

Keystone Correction
±5° Vertical

Uniformity
85%

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

User Controls
Complete On-Screen Menu Adjustments in 22 Languages

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

Video Compatibility
True HD (1080i/p, 720p), EDTV (480p/576p), NTSC, PAL, SECAM

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

I/O Connection Ports
Three HDMI v1.3 w/Deep Color, VGA-In, Component Video, S-Video, Composite Video, RS-232 and Two +12V Triggers

Security
Kensington® Lock Port, Security Bar

Projection Method
Front, Rear, Ceiling Mount, Table Top

Weight
19.0 lbs (8.6 kg) w/o lens

Dimensions (W x H x D)
16.9" x 6.5" x 13.4"
(430 x 164 x 340mm)

Noise Level (STD)
29dB

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

Power Consumption
390 Watts (Bright), 335 Watts (STD), <1 Watt (Standby)

Operating Temperature
41 to 104°F (5 to 40°C), 85% Max Humidity, Adjustable Fan Speed for High Altitude Application

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

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

Optional Accessories
Ceiling Mount, HDMI Cable, VGA Cable, S-Video Cable, Component Cable, Lens Throw Options, Anamorphic Lens Kit and Panoview™ Series Screens

UPC
796435 81 101 3

Accessory Part Numbers
Lamp: BL-FP280C
Remote: BR-3046B
2nd Remote: BR-1004N
Mount: BM-5001U
Anamorphic Lens: BX-AL133B

	Lens Throw Options (PureOptics)		
	Standard Throw Lens	Long Throw Lens	Short Throw Lens
Throw Ratio (Distance/Width)	1.54 to 1.93:1	1.93 to 2.90:1	0.77:1
Projection Distance	4.9' to 23.0' (1.5 to 7m)	6.6' to 65.6' (2 to 20m)	1.6' to 9.8' (0.5 to 3m)
Image Size (Diagonal)	34.3" to 200" (0.87 to 5.08m)	30.0" to 457" (0.76 to 11.61m)	34.3" to 200" (0.87 to 5.08m)
Projection Lenses	F=2.46-2.56, f=22.8-28.5 mm, 1.25x Manual Zoom and Focus	F=2.5-3.1, f=28.5-42.75 mm, 1.5x Manual Zoom and Focus	F=2.5, f=11.5 mm, Manual Focus
Weight w/Projector	19.8 lbs (9.0 kg)	19.8 lbs (9.0 kg)	20.0 lbs (9.1 kg)
Part Number	BX-DL200	BX-DL300	BX-DL080

www.optoma.com