

H50 Cinema



HOME CINEMA
Choice
Best Buy
GUARANTEED
★
October 2002

...And for money its performance is nothing short of miraculous...



Optoma

H50

Cinema



Projecting Perfection

Until now you could only dream of a home cinema experience this compelling.

Optoma products defy conventional projection constraints with their astoundingly natural colours and faithful reproduction of intricate light and shade detail. You can trust the advanced projection technology in Optoma, endorsed by the worlds leading film creators, to faithfully reproduce a movie the way the director intended.

TRANSPARENT

The H50 provides a transparent coupling between the source material and projection screen, maintaining the integrity of the content for exceptional quality video. High Contrast Ratios and exceptional Brightness levels provide a phenomenal viewing experience across a range of demanding lighting conditions.

FAITHFUL

Revolutionary Digital Light Processing (DLP) means faithful, digital colour reproduction. The H50 incorporates a special colour wheel to accurately reproduce true PAL colours and in particular provide true red colour rarely seen in DLP projectors.

INTELLIGENT

The video processing core of the H50 enhances the quality of source material to match the capabilities of the H50 by intelligently deinterlacing video signals to provide the highest possible video quality.

CONNECTED

A DVI input, accepting digital video, enables All-Digital-Projection for the highest video quality. Extensive connection options ensure all video sources; computer or games consoles can be connected quickly and easily for trouble free operation.

QUIET

Innovative cooling, air-flow and vibration control provide ultra quiet operation - leaving you undistracted and free to enjoy the movie.



Zoom lens projects image up to 7.5m (25ft)



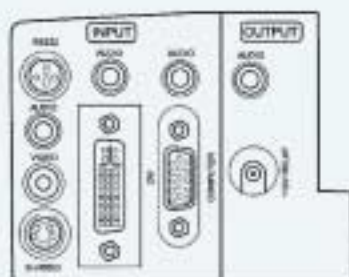
Control panel provides intuitive, single-touch operation



DLP™ technology by Texas Instruments offers crystal clear images with superior quality

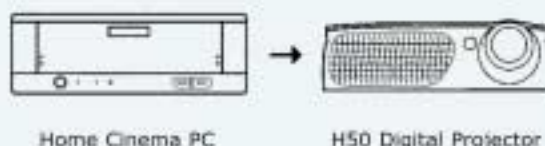


Extensive Connectivity



All-Digital-Projection

Paired with a Home Cinema PC with DVI output, the H50 offers an All-Digital-Projection experience



Home Cinema PC

H50 Digital Projector

Advanced Optical System



DLP vs. Non-DLP Digital Projectors

Improved Peak Contrast to 800:1
Improved Colour Saturation

TECHNICAL SPECIFICATIONS

Optical features

Projection System:	DLP™ technology by Texas Instruments
Resolution:	800 x 600 SVGA, Compression to 1024 x 768 XGA
Brightness:	1300 ANSI Lumens (Peak)
Contrast Ratio:	800:1 (Full ON: Full OFF) (Typical)
Displayable Colour:	16.7M Colours
Lamp Type:	200 Watt UHP Lamp
Lamp Life:	2000 Hours
Projection Lens:	f=28.8~34.5mm, (F=2.44~2.69)
Zoom Factor:	1-2X, Manual
Projection Screen Size:	0.7m - 7.5m (22 - 305) Diagonal
Projection Distance:	1.14m to 12.4m (3.74ft to 40.68ft)
Throw Ratio:	2.0~2.5(Projection Distance/Image Width)
Keystone Correction:	+/-16 Degrees

Electrical Features

Horizontal Scan Rate:	15-100kHz
Vertical Refresh Rate:	43-120Hz
Pixel Frequency:	140MHz
Aspect Ratio:	4:3 Support 5:4/ 16:9 (WideScreen) Compatible
Video Compatibility:	PAL (B,D,G,H,I,M,N) SECAM (B, D, G, K, K1, L) NTSC (M, 4.43 MHz/3.58 MHz) HDTV (720p, 480p, 480i, 576p, 576i, 1080i)
TV Lines:	760 TV Lines

Software Features

On Screen Display Menu:	Multi-Language: English, French, Italian, Deutsch, Spanish, Portuguese, Chinese-C, Chinese-S, Japanese and Korean. User-Friendly and intuitive interface.
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Environment Features

Environmental:	Operating Temperature 0°C-40°C (32°F-104°F) Humidity 80% maximum Storage Temperature 10°C-60°C (14°F-140°F) Humidity 80% maximum
Operational Noise:	34dB (25°C / 200W)
Power Supply:	AC input 100-240V
Frequency:	50-60Hz
Power Consumption:	320W at normal operation. Standby mode < 35W

Mechanical Features

Weight:	2.9kg (6.5lbs)
Unit Dimension (H x W x D):	280 x 230 x 91mm (11.02 x 9.06 x 3.58)
User Control: (On Projector)	Power On/Stand-by, Menu, Re-Sync, Up/Down/Left/Right/Enter Direction Buttons, Source, Zoom, Volume +/- Volume - / Mute
I/O Connectors:	PC Input: 1 x HDB 15-Pin D-SUB 1 x Audio Mini-Jack (for 15-pin D-SUB) 1 x DVI Connector VIDEO Input: 1 x Mini DIN for S-Video Input 1 x Composite Video Input 1 x Audio Mini-Jack Input (For S-Video/Composite Video) 1 x HDB 15-Pin D-SUB (For Component Video Input) 1 x Audio Mini-Jack (For Component Video/HDTV Input Port) 12V Relay for Remote Screen Operation 1 x Audio Mini-Jack (For Speaker Output) 2 x Internal Speakers 3 Watt Output
Audio:	

Accessories

Standard:	
Lens Cover	
Power Cable	
Video and Data Signal Cables:	1 x 15-Pin VGA Signal Cable (1.8 M) 1 x S-Video Signal Cable 1 x Composite Video Cable 1 x DVI to VGA Cable 1 x 15-Pin D-SUB to 3 x RCA Cable (For Component Video) 1 x RS-232 Cable
Audio Cables:	1 x Mini Phone Jack to two RCA Audio Cable AA Type Batteries x 2
Remote Control:	
Soft Handle Carry Bag	
Multilingual User Manual on CD	
Optional:	Ceiling Mount Kit 1 x 30pin-DVI Signal DVI to DVI Cable (1.8M)



H50 Cinema

"Its performance is a revelation, providing like no other DLP model...
...you really don't have to spend megabucks to get a genuinely
cinematic big-screen picture in your living room"

(Home Cinema Choice, October 2002)



Due to a process of continuous improvements specifications are subject to change without notice

 **Optoma**

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