HD72 | Home Theater Projector

Optoma
High-Definition Lifestyle

FEATURES

- **Highest quality**, entry level **720p Home Cinema** projector in the market

- **1300 lumens with 5000:1** contrast ratio in ImageAI™ mode

- **HD** compatibility **1080p** and **UXGA**

- **7 segment** color wheel

- Long lamp life of **3000 hours**

- **Texas Instruments' DDP3020** Processing

- **BrilliantColor™** technology

- **TrueVivid™** Color enhancement

- **TrueVision™** Motion-Adaptive enhancement

- **Wide angle zoom lens** with throw ratio of 1.58-1.9

- Light shield design and **ultra-quiet operation**

- **Dual digital** HD connectivity (DVI-I and HDMI)

- **YPbPr, RGB, SCART** support

- Supports 18 languages

HD72 – Great Quality…Great Performance…Great Value

The Optoma HD72 projector is a true 720p, high-performance projector for home theater enthusiasts. The HD72 features Texas Instruments' BrilliantColor™ color processing technology to deliver higher brightness and provide truer, more vibrant colors to the projected picture. And, with 10-bit color per channel color processing, a 7-segment color wheel and its 5000:1 contrast ratio, the Optoma HD72 DLP™ home theater projector delivers great color saturation and subtle color details for the best image quality.

PICTURE BY DLP™ — A TEXAS INSTRUMENTS TECHNOLOGY

truevivid™

HDMI™ — HIGH DEFINITION MULTIMEDIA INTERFACE

ImageAI

DVI — HDCP COMPLIANT

HDTV — COMPATIBLE

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SPECIFICATIONS

Display Technology	Single 0.65-inch DarkChip2™ DLP™ technology by Texas Instruments
Brightness	1300 lumens (typical)
Weight	7 pounds (3.2 kg)
Resolution	1280 x 768 native UXGA (1600 x 1200), 1080p (1920 x 1080) Resize
Dimensions (WxHxD)	13.56 x 3.72 x 9.67 (344 x 94 x 246 mm)
Contrast Ratio	5000:1 in ImageAI™ mode and 3500:1 (full on/full off)
Noise Level	27 dB standard (typical)
Lamp Type	220W UHP
Lamp Life	2,000 hours Brightmode™ / 3,000 hours STD
Image Size	28" - 304"
Projection Distance	3.9' - 39'
Computer Compatibility	UXGA, SXGA+, WXGA, XGA, SVGA, VGA compression, VESA standards, PC & & Macintosh compatible
Video Compatibility	NTSC (M, 3.58/4.43 MHz), PAL (B, D, G, H, I, M, N), SECAM (B, D, G, K, K1, L), HDTV (720p, 1080i, 1080p)
Aspect Ratio	16:10 widescreen native with support for 4:3 and 16:9
Projection Lens	F/2.5~2.8, f = 22.25~26.69mm 1.2x Manual focus/Digital zoom
Keystone Correction	Horizontal and Vertical
Throw Ratio	1.58 to 1.90 (distance/width)
Vertical Refresh Rate	43 to 120 Hz
Power Supply	100-240 volts, 50-60 Hz
Power Consumption	285 W+-10% Full Power, < 13W Standby Power
Operating Temperature	Operating: 5-35C, 80% humidity (Max.) Storage: -20 - 60C, 80% humidity (Max.)
Displayable Colors	10-bit per channel color processing
Projection Method	Front / rear / ceiling mount / table-top
Uniformity	90%
I/O Connectors	HDMI, DVI-I w/HDCP, Component video, Composite video (RCA), S-Video, RS-232 Two IR receivers, Dual 12+12V trigger relays
Standard Accessories	Composite video cable, S-video cable, Remote control, battery for remote, lenscap, User's Manual, quick start guide, warranty card, power cord
Warranty	Limited 2-year warranty with a Zero Dead Pixel policy, 90-day lamp warranty
Optional Accessories	Ceiling Mount Kit, GrayWolf™ series screens, carrying case and extended warranty
UPC code	796435 11 589 0

PROJECTION DISTANCE/IMAGE SIZE

Projection Distance (feet)	Maximum Diagonal (inches)	Minimum Diagonal (inches)
6	52.28	43.48
8	69.71	57.97
10	87.14	72.46
12	104.57	89.96
14	122.00	101.45
16	139.42	115.94
18	156.85	130.44

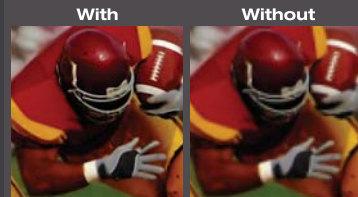## Image and color enhancement technologies

With | Without

BrilliantColor™ Technology
With the new advanced, 10-level BrilliantColor™ color-processing system, the projector delivers higher brightness and more vibrant scenes while providing truer, more stunning colors to the picture.

With | Without

TrueVivid™ Image Processing
With TrueVivid™ image processing, the picture quality is enhanced for veritable video fidelity, including better depth and can add a deeper 3D look to any image.
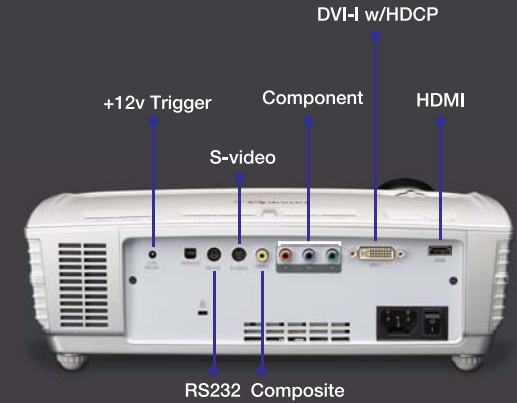
With | Without

TrueVision™ Technology
TrueVision™ technology improves cross-coloring and eliminates jagged edges, allowing the projector to deliver cinema-like images with exceptional picture quality.

Now with ImageAI™

ImageAI™

Image Artificial Intelligence
auto adjusting light intensity output

HIGH LUMENS ALONE
Increases clarity in lighter areas...
But makes dark areas wash out.

HIGH CONTRAST ALONE
Increases detail in darker areas...
But makes lighter areas appear dark.

ONLY ImageAI™ GIVES YOU BOTH!

HIGH 1300 LUMENS
for amazing clarity in light image areas...

PLUS

HIGH 5000:1 CONTRAST
for details in dark areas and shadows

ImageAI™ "Image Artificial Intelligence", Optoma's auto adjusting light intensity output, delivers an amazing 1300 lumens AND 5000:1 contrast ratio!
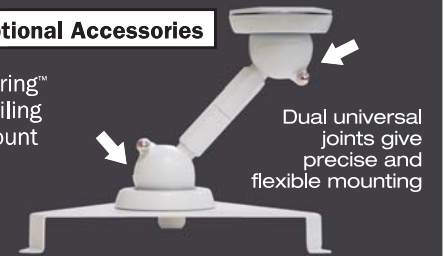
AVAILABLE AT

I/O Ports

- DVI-I w/HDCP
- +12v Trigger
- Component
- HDMI
- S-video
- RS232
- Composite

Dimensions

9.67 inches

13.56 inches

Optional Accessories

Bering™ Ceiling Mount

Dual universal joints give precise and flexible mounting