

# THEME | SCENE



**HD75**

**HD**  
ready

**You love big pictures but know it is all in the detail. The High Definition detail you've never seen before in your favourite film. Detail that captivates and enthrals – every tiny detail larger than life with electrifying, perfectly balanced colour and crystal clarity. See the movie as it was intended to be seen; on the big screen, in HD, at home.**

The ThemeScene® HD75 home cinema projector delivers the kind of picture quality associated with the best digital cinema performance around the world. With a digital HDMI signal you can create a true digital projection system that produces a spectacular High Definition cinematic experience in your own home. A masterly collaboration of HD Ready 720p DLP® technology from Texas Instruments and Optoma Colour Enhancement Technology produces a stunningly bright image with perfectly balanced vivid colour and crystal clarity.





## A new kind of TV

The Optoma Colour Enhancement Technology™ used in the HD75 produces a brilliant 1400 Lumens image enabling quality viewing in ambient light conditions. Use this projector like a TV, leaving the lights on for casual viewing only dimming them for feature presentations.

Even the largest big screen TVs will seem small by comparison; the HD75 can produce a huge image the size of your wall. Immerse yourself in HD movies from the latest HD disc players, blast life-size HD characters for an extreme gaming experience or project all the atmosphere of a live sporting event.

## Home Cinema installation

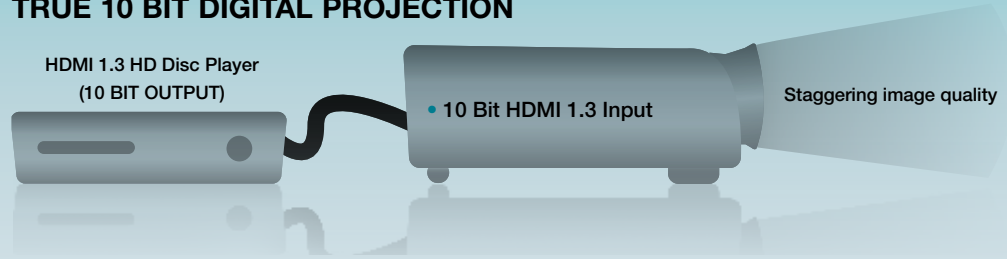
With near silent operation, 2 digital HD inputs, a 12 volt screen trigger and the option to remotely control via the RS232 interface the HD75 is at home as the centre piece of a Home Cinema installation.

## Integrated Audio

Alternatively use the HD75 as a portable device with the convenience of integrated audio – great for hassle-free occasional use. Use with HDMI for ultimate ease; get both the image and sound from the same cable. Great for impromptu film screenings at a friend's house or gaming events in the kids' bedrooms!



## TRUE 10 BIT DIGITAL PROJECTION



Currently filmmakers record and process movies at greater colour depths than most consumer Home Cinema equipment can reproduce. Movie studios have had to reduce the colour depth of their films for home distribution so they are compatible with Home Cinema equipment. The pure 10 bit digital signal path of the HD75 paves the way for movie and gaming content to be displayed in a virtually lossless form producing a level of visual acuity and realism never seen before in the home.

## Deep Color™ HDMI 1.3

The latest 10 bit HDMI technology adds high definition colour to high definition images producing stunningly natural, vibrant colour.

- HDMI 1.3 supports 30-bit, (10 bits per channel RGB or YCbCr) colour depths, up from the old 24-bit depths in previous HDMI inputs - displays billions instead of millions of colours
- Eliminates on-screen colour banding, for smooth tonal transitions and subtle gradations between colours
- Increased contrast ratio – offering improved light and shade detail
- Enables better greyscale performance







## Optoma guarantees colour quality will remain as new for 10 years\*

For Home Cinema colour accuracy is critical. We are so confident that, unlike competing technologies, the HD75 colour will not change in use that we have guaranteed it will stay the same as the day you bought it, for at least 10 years.

The HD75 projector based on an all-digital DLP® chip delivers stunning picture quality again and again. Unlike competing analogue technologies, the semiconductor that makes DLP® projection possible is virtually immune to environmental factors that can cause an image to degrade over time.

Run continuously for 4,000 hours in an independent laboratory test, projection systems using DLP® technology maintained their picture quality throughout. By contrast, in the same test ±, data projectors using LCD technology exhibited considerable picture degradation by 2558 hours on average.



Approximately  
4000 Hrs.

\* Conducted by the Rochester Institute of Technology's Munsell Color Science Laboratory and sponsored by Texas Instruments. The test included a sample of commercially available data projectors, five featuring LCD technology and two featuring DLP® technology. The projectors varied in features such as panel size, weight, resolution and brightness. All units were run in a continuous operation mode at an ambient room temperature of approximately 25°C.

\* Optoma guarantee that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Please note that worn lamps will give slight variance. Exclusion: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive. (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other fault.

## ImageAI™

### HIGH LUMENS ALONE

Increases clarity in higher areas...



But makes dark areas wash out

### ONLY ImageAI™ GIVES YOU BOTH!

#### HIGH 1400 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 both high brightness and stunning contrast

### HIGH CONTRAST ALONE

Increases details in darker areas...

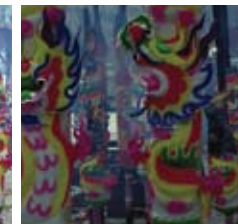


But makes lighter

## Image and color enhancement technologies

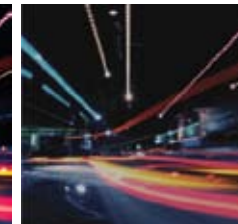
### WITH

### WITHOUT



#### Optoma Colour Enhancement Technology

Advanced colour processing for bright, vibrant, deep saturated colour for lifelike reproduction.



#### TrueVivid™ Image Processing

TrueVivid™ processing enhances image quality by increasing the depth of field for natural realistic looking images



#### TrueVision™ Technology

TrueVision™ deinterlacing technology eliminates jagged edges enabling the projector to deliver stunning cinema like images with exceptional picture quality

## Technical Specifications

### Highlights

HD Ready	Native 720P, HDMI V1.3 input
Display Technology	DLP DarkChip2™ 720P (1280 x 720)
Contrast	5000:1 (with Image AI enabled)
Audible Noise	28dB Standard mode
Brightness	1400 Video Optimised Lumens
Integrated Audio	1 x 2 Watt Speaker

### Connections

#### Signal Type

	Options	Input Connector
HDMI	2	1. HDMI (V1.3 10 bit) 2. DVI (via adaptor)
Component	2	1. 3 x RCA 2. VGA via adaptor
SCART RGB	1	VGA via supplied adaptor
S-Video (Y/C)	1	3 Pin Mini DIN
Composite Video (CVBS)	1	RCA
DVI-D Computer	1	HDMI (via adaptor)
RGB Computer	1	VGA
Screen trigger	1	
RS232	1	3 Pin mini DIN
Video Compatibility		PAL, SECAM (576i/p), NTSC (480i/p), HD1080P60\50\24, 1080i, 720p

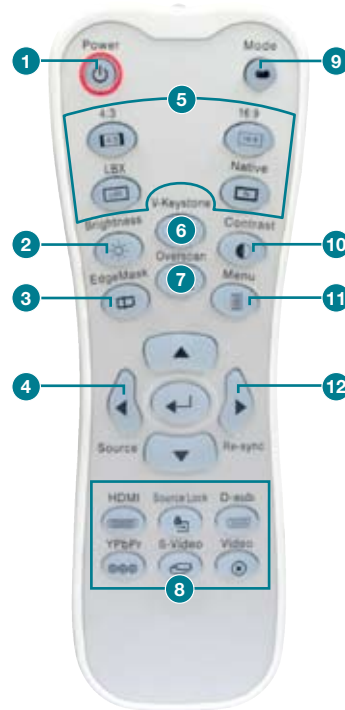
### Display

Aspect Ratio	16:9 with support for 4:3
Throw Ratio	1.55-1.7 (Projection Distance/Image Width) 1.1x Manual zoom
Projection Distance	1.5m – 12m
Image Size	1.0 to 7.36m (16:9 Diagonal)
Keystone Correction	Vertical
Projection Types	Front, Ceiling, Rear, Rear ceiling
Lamp Type	200w
Lamp Life	Standard mode 3000 hours*

### General

Dimensions	295 x 222 x 96 mm
Weight	3 kg
Power Consumption	280W Max, <10W standby
Operating Temperature	5-35°C Max, 80% Humidity
Mounting	Ceiling mount points and screw mount for camera style tripod
Warranty	Warranty may vary by country. Please see <a href="http://www.optomaeurope.com">www.optomaeurope.com</a> or ask your local supplier for details
Lamp Warranty	6 months or 1000 hours whichever is the sooner
Menu Languages	English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian, Danish, Hungarian, Czech & Arabic
Supplied accessories	AC power cord, Component video cable, S-video cable, SCART RGB to VGA 15 Pin D-Sub adaptor, VGA cable, Remote control with backlight, Batteries for Remote control, Lens cap, Users guide
Optional accessories	Ceiling Mount Kit
EAN Number	5060059042739

\*Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions



#### HD75 Remote Control

- 1 Power ON/OFF
- 2 Brightness
- 3 Edge Masking Tool
- 4 Auto source select
- 5 Display aspect ratio selection
- 6 Keystone
- 7 Overscan Control
- 8 Input selection
- 9 Preset image modes selection
- 10 Contrast
- 11 Menu
- 12 Re-sync

#### HD75 Projector I/O Ports

- 13 RS-232
- 14 Service
- 15 S-Video
- 16 Video
- 17 VGA (Scart, Component, PC)
- 18 DVI-D
- 19 HDMI (With audio)
- 20 12 Volt trigger
- 21 Analogue audio inputs
- 22 Component



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