

HD
ready



THEME|SCENE®

HD72i



High Definition - It is in the detail

You love big pictures but know it is all in the detail.

With the HD72i you see detail you have never seen before in your favourite film. Detail that captivates and enthrals.

The attention to detail we take in crafting the finest blend of ThemeScene® digital projection technology, enhanced by Faroudja DCDi™ signal processing and rendered with ThemeScene® True Vivid™ colour reproduction.

The HD72i delivers a spine-tingling filmatic experience.

Sleek styling, intuitive operation, and whisper-quiet running increase the formidable allure of the HD72i for those who desire the finest High Definition filmatic experience.

Crafted from the finest Technology

DLP® technology is the only digital projection technology. The DLP® technology used in the HD72i is used by the best Digital Cinema's around the world. With a digital HDMI or DVI signal you can create a true digital projection system that produces a spectacular High Definition Cinematic experience in your own home.

Native High Definition, exceptionally bright 1300 lumens of video optimised light output and Image AI™ technology produces a staggering 5000:1 contrast ratio enabling sparkling, crystal clear images with fantastic detail.

The ThemeScene® 7-segment colour wheel with BrilliantColor™ and TrueVivid™ 10-bit per channel colour enhancement technologies simultaneously enables high brightness and astonishing deep saturated colour.

Faroudja

Critically acclaimed Faroudja DCDi™ processing technologies provides superlative de-interlacing and image optimisation to ensure that any image source delivers exceptional performance and superb images. Directional Correlational Deinterlacing (DCDi) up-converts interlaced sources to match the HD72i capabilities. Film mode detection constantly monitors the programme material type. If film originated material is detected optimisation algorithms are enabled ensuring fluid natural motion. Motion Adaptive Noise Reduction and TrueLife™ enhancement intelligently identifies image detail and if required, applies subtle enhancement to ensure outstanding detail from all sources.

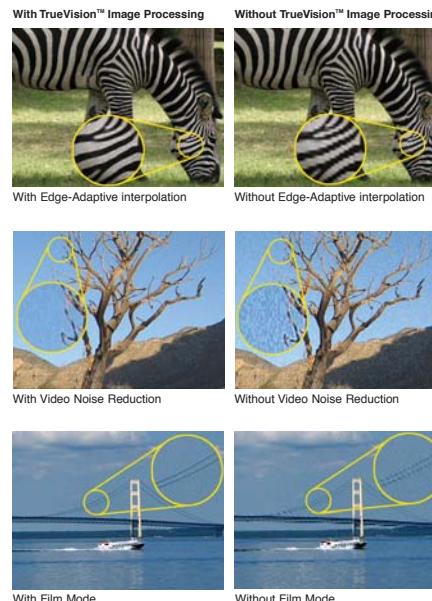
Whisper Quiet

A patented wind tunnel cooling system lowers noise levels to near silent (27dB) operation, so you hear the soundtrack, undisturbed, just as the director intended.

TrueVision™

An industry leading video processor featuring:

- Edge Adaptive Interpolation - Ensures that fine lines and edges are faithfully reproduced resulting in outstanding image detail
- Advanced algorithm Noise Reduction - Removes noise from non-optimal video sources ensuring crystal clear image quality
- Inverse Telecine 2/2 and 3/2 pulldown for full Film Mode support - Optimised film mode processing ensures a rich, smooth Cinematic experience



BrilliantColor™

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



TrueVivid™

TrueVivid™ enhancement provides more realistic 3D like images.



Get Connected

The extensive connectivity of the HD72i enables simultaneous connection of 2 ultimate quality digital High Definition devices through the HDMI and DVI connectors whilst keeping the Component Progressive and Interlaced inputs free for high quality analogue sources. The HD72i also features a SCART RGB input for direct high quality connection to Digital TV boxes or games consoles.

Image AI™

Boosts contrast ratio for exceptional low level black level detail and brilliant, vibrant images

ImageAI Image Artificial Intelligence
auto adjusting light intensity output

HIGH LUMENS ALONE



HIGH CONTRAST ALONE



ONLY ImageAI™ GIVES YOU BOTH!

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

PLUS

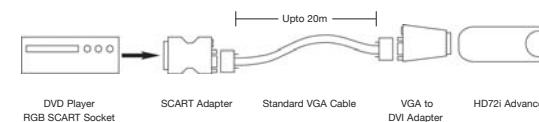
HIGH 5000:1 CONTRAST
for details in dark areas and shadows



ImageAI™ "Image Artificial Intelligence", Optoma's auto adjusting light intensity output, delivers an amazing

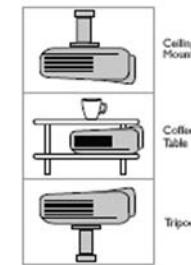
SCART RGB Adaptor

The unique SCART RGB adaptor supplied enables very high quality, inexpensive computer monitor VGA cables to be used to connect easily to your DVD player, Digital TV or games console. These cables can be up to 20m long making it easy and inexpensive to position the HD72i Advanced exactly where you want it.



Flexible positioning

Getting a big image in your room has never been simpler. Easy to position anywhere, you can either place it on a coffee table or use the camera tripod style fixing to attach to a floor or table top stand. The high image offset of the HD72i enables ceiling mounting to be unobtrusively close to the ceiling whilst coffee table mounting can be close to the floor hidden underneath the main table surface.



Technical Specifications

Highlights

HD Ready	Native 720P, HDMI & DVI inputs
Aspect Ratio	Widescreen 16:10 with support for 16:9 and 4:3
Contrast	5000:1 with Image AI enabled
Audible Noise	27dB Standard mode, 29dB Bright mode
Brightness	1300 Video Optimised Lumens

Connections

Signal Type	Options	Input Connector
HDMI	2	1. HDMI 2. DVI-I with optional adaptor 1. 3 x RCA 2. DVI-I with optional adaptor
Component (Progressive & Interlaced)	2	SCART RGB
SCART RGB	1	DVI-I via supplied adaptor
S-Video (Y/C)	1	3 Pin Mini DIN
Composite Video (CVBS)	1	RCA
DVI-D Computer	1	DVI-I
RGB Computer	1	DVI-I
RS-232	1	3 Pin connector
Screen trigger	1	
Video Compatibility		PAL, SECAM (576i/p), NTSC (480i/p), HDTV (1080p, 1080i, 720p)
Max. PC Resolution		UXGA (1600 x 1200) resized

Display

Display Technology	WXGA (Native1280x768)
Colour Wheel	4 x speed, 7 Segment (RGBRGBW)
Throw Ratio	1.6-1.9 (Projection Distance/Image Width) 1.2x Manual zoom
Projection Distance	1.5m – 12.2m
Image Size	0.92m to 7.62m (16:9 Diagonal)
Keystone Correction	Horizontal and Vertical
Projection Types	Front, Ceiling, Rear, Rear ceiling
Lamp Type	220 watt VIP
Lamp Life	Standard mode 3000 hours*

General

Dimensions	347mm x 246mm x 95mm W x D x H
Weight	3.1kg
Power Consumption	285W Max, <13W 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 www.optomaeurope.com 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, Combined Norwegian & Danish, Russian, Finnish, Swedish, Greek, Traditional Chinese, Simplified Chinese, Japanese, Korean.

Supplied accessories	AC power cord, Component video cable, S-video cable, VGA 15 Pin D-Sub to DVI-I adaptor, SCART RGB to VGA 15 Pin D-Sub adaptor, VGA cable, Remote control with backlight, Batteries for Remote control, Lens cap, Users guide, RS-232 Cable
Optional accessories	Ceiling Mount Kit, HDMI to DVI adaptor

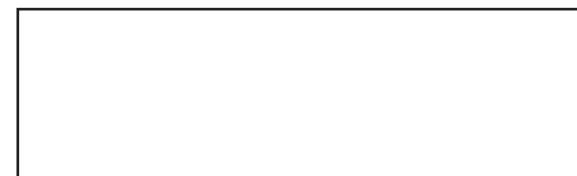
*Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions



HD72i Projection Distance 1.5m-12.2m Image size 0.92m to 7.62m (16:9 Aspect Ratio)				
Projection Distance (m)	Min. Horizontal Image Size (m)	Max. Horizontal Image Size (m)	Min. Image Offset (m)	Max. Image Offset (m)
2.00	1.05	1.27	0.23	0.27
3.00	1.58	1.90	0.34	0.41
4.00	2.11	2.53	0.45	0.54
5.00	2.63	3.16	0.56	0.68
6.00	3.16	3.80	0.68	0.82
7.00	3.68	4.43	0.79	0.95
8.00	4.21	5.06	0.90	1.09
9.00	4.74	5.70	1.02	1.22
10.00	5.26	6.33	1.13	1.36

HD72i is capable of 16:10 aspect ratio projection. When projecting a 16:10 image the image sizes and offset information will differ to that above.

For guide purposes only



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