




## DS316L DLP® Projector

# Bring The Big Picture Home

-  Big picture – up to 300" Diagonal
-  Compatible with SCART sources like satellite and cable TV receivers, games consoles and DVD players
-  Widescreen and Movie modes
-  Bright and sharp picture using Optoma BrilliantColor™ technology
-  Quick start up and shut down time
-  Convenient sound with built-in speakers
-  Remote control
-  Lightweight and portable



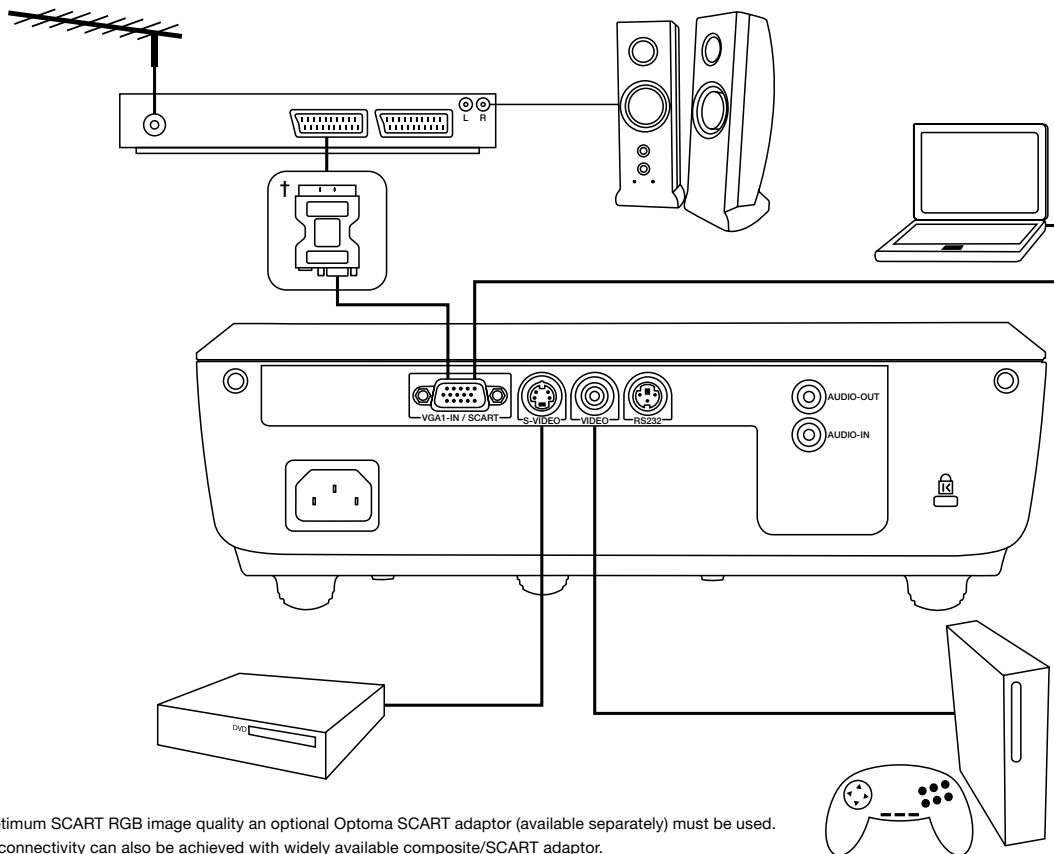
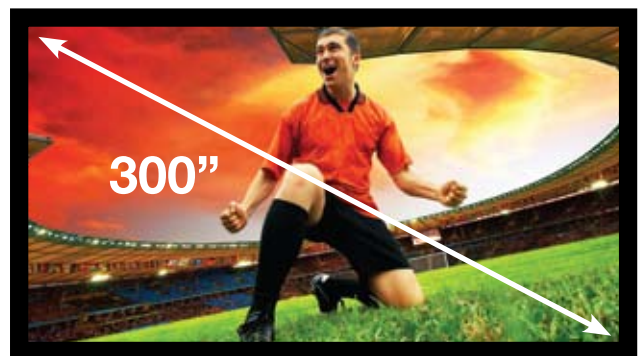
## Get ready...

...for big screen sports in your own home! This small and sleek projector is capable of giving you a massive 300" image, bringing all the action right into your living room. It's not all about sports though - hook it up to your games console to take gaming to a whole new level or enjoy big screen movies straight from your DVD player and digital satellite/TV box. Laptops and computers are also easily connected. Ultra-bright 2700 Lumens and the unique 5 year Optoma colour and imager guarantee ensures the picture stays full of life, whilst the built-in speakers and remote control make it an easy, affordable all-in-one home projection solution.

## GET CONNECTED

Easy to use with most of your home devices; simply connect, power up and project from:

- Satellite and cable Set top boxes
- Computers and laptops
- DVD players
- Games consoles
- Television recorders
- External speakers/Headphones



† For optimum SCART RGB image quality an optional Optoma SCART adaptor (available separately) must be used. SCART connectivity can also be achieved with widely available composite/SCART adaptor.

## CLEAR, FOCUSED IMAGES

DarkChip3™ technology from Texas Instruments produces a stunning 4000:1 contrast ratio for pin sharp, crystal clear images - helping you keep an eye on the ball. Crisper whites and ultra rich blacks bring the image to life.



With



Without

## AMAZING COLOURS

The DS316L incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours. Preset display modes allow you to achieve a perfect image every time.

## COLOUR AND IMAGER GUARANTEE

Bright colours and fantastic image quality are guaranteed for an amazing 5 years after purchase - giving piece of mind that the technology inside the Optoma DS316L projector won't fade or degrade.



## VIRTUALLY MAINTENANCE FREE

The DS316L provides lower cost of ownership, longer life and improved reliability. The filter-free projector design does not require regular filter cleaning or filter replacement, saving you time and money.

## ENVIRONMENTALLY FRIENDLY

The DS316L incorporates energy saving features to conserve power and extend the lamp life:



To achieve the maximum 4000hrs\*\* lamp life time the projector should be operating in STD mode and the shut down timer should be enabled to automatically switch off the projector if it is accidentally left on when no longer required. Enabling the <1W Standby mode will ensure the minimum energy consumption when the projector is not being used.



It takes less than 10 seconds for the projector to power up and shutdown, saving both time and energy.

## FEATURES

- 6 preset display modes including Movie mode
- 4:3 and 16:9 widescreen
- Compatible with SCART signal
- Ceiling mount the projector or project from a table
- Easy to use remote with direct source function



## DS316L SPECIFICATIONS

Native Resolution	SVGA 800 x 600
Compressed Resolution	UXGA (1600 x 1200) HD (1080p)
Brightness - BRIGHT mode	2700 ANSI Lumens
Contrast	4000:1
Noise Level in Standard mode	27dB
Lamp Life**	4000/3000 (STD/BRIGHT mode)
Projection Lens	F/2.41~2.55; f=21.8~24mm, 1.1x Manual Zoom
Throw Ratio	1.95 - 2.15:1 (Projection Distance:Image Width)
Projection Distance	1.2 - 12m
Image Size	0.70 - 7.70m (27.49" - 303.12") Diagonal 4:3
Display Technology	Single 0.55" SVGA DC3 DMD chip DLP® Technology by Texas Instruments
Weight / Dimensions (W x D x H)	2.3 kg / 286 x 192 x 84mm
Remote Control	Full function remote with direct source selecting
INPUTS	15 Pin D-Sub VGA SCART via adaptor Component via adaptor S-Video 4 Pin Mini Din Composite RCA Stereo Audio Mini Jack
CONTROL	RS232 - 3 Pin D-sub
OUTPUT	Stereo Audio Mini Jack
Audio	2W Speaker
Aspect Ratio	4:3 Native, 16:9 Compatible
Keystone Correction	± 40° Vertical
On Screen Display	18 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian, Danish, Hungarian, Czech, Turkish & Arabic
Video Compatibility	HD 720p/1080i/1080p, PAL SECAM 576i/p, NTSC 480i/p
Uniformity	85%
Displayable Colours	1.07 Billion
Horizontal Scan Rate	15.3 - 91.1kHz
Vertical Scan Rate	24 - 85Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	233W BRIGHT mode < 1W Standby mode 207W STD mode < 1W Standby mode
Operating Conditions	Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (Max)
Security	Kensington Lock Port, Password Protection
In the Box	Quick Start Guide, Remote control with batteries, Power cord
RoHS	Compliant
Lamp Warranty	6 months or 1000 hours - whichever comes sooner
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
Colour Guarantee*	5 Years
Imager Guarantee***	5 Years

## EASY TO USE REMOTE CONTROL

### DS316L Remote Control

- 1 Power On/Off
- 2 Vertical Keystone Correction
- 3 Volume Control
- 4 Brightness Adjustment
- 5 Contrast Adjustment
- 6 AV Mute
- 7 Direct Input Source Selection



### DS316L Connections

- 8 VGA - SCART & Component
- 9 S-Video
- 10 Video
- 11 RS232 - 3 Pin
- 12 Audio Out
- 13 Audio In
- 14 Kensington™ Lock

## Exceptional Connectivity / Multiple Terminals



DS316L Distance Table Aspect Ratio 4:3							
Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Vertical Image Size (m)	Min. Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.62	0.56	0.46	0.42	0.77	30.31	0.07
2.00	1.03	0.93	0.77	0.70	1.28	50.52	0.12
2.50	1.28	1.16	0.96	0.87	1.60	63.15	0.14
3.00	1.54	1.40	1.16	1.05	1.92	75.78	0.17
4.00	2.05	1.86	1.54	1.40	2.57	101.04	0.23
5.00	2.56	2.33	1.93	1.75	3.21	126.30	0.29
6.00	3.08	2.79	2.31	2.10	3.85	151.56	0.35
7.00	3.59	3.26	2.70	2.45	4.49	176.82	0.40
8.00	4.10	3.72	3.08	2.80	5.13	202.08	0.46
9.00	4.62	4.19	3.47	3.15	5.77	227.34	0.52
10.00	5.13	4.65	3.86	3.50	6.42	252.60	0.58
11.00	5.64	5.12	4.24	3.85	7.06	277.86	0.64
12.00	6.15	5.58	4.63	4.20	7.70	303.12	0.69

DS316L Distance Table Aspect Ratio 16:9							
Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Vertical Image Size (m)	Min. Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.62	0.56	0.35	0.32	0.71	27.83	0.05
2.00	1.03	0.93	0.58	0.53	1.18	46.38	0.09
2.50	1.28	1.16	0.72	0.66	1.47	57.97	0.11
3.00	1.54	1.40	0.87	0.79	1.77	69.57	0.13
4.00	2.05	1.86	1.16	1.05	2.36	92.76	0.17
5.00	2.56	2.33	1.45	1.31	2.95	115.95	0.22
6.00	3.08	2.79	1.74	1.58	3.53	139.14	0.26
7.00	3.59	3.26	2.03	1.84	4.12	162.32	0.30
8.00	4.10	3.72	2.32	2.10	4.71	185.51	0.35
9.00	4.62	4.19	2.61	2.36	5.30	208.70	0.39
10.00	5.13	4.65	2.90	2.63	5.89	231.89	0.43
11.00	5.64	5.12	3.19	2.89	6.48	255.08	0.48
12.00	6.15	5.58	3.48	3.15	7.07	278.27	0.52

For guide purposes only

[www.optoma.eu/sport](http://www.optoma.eu/sport)

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**Panoview**  
Optoma recommended Screens  
[www.panoview.eu](http://www.panoview.eu)



\*Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is 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 faults. (4) Over time worn lamps within all projector types will show a slight colour variance. \*\*Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. \*\*\*Optoma guarantees that in normal use, the DLP® imager will retain image quality for at least 5 years and provide consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through misuse. (2) Guarantee may be void in industrial or commercial environments where dust or smoke is excessive. Copyright © 2010, Optoma Europe Ltd. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments.