








## EX521 DLP® Projector

# Perfect Projection

-  Bright projection – 2600 ANSI Lumens
-  XGA resolution, 4500:1 contrast ratio for sharp, detailed presentations and graphics
-  Low ownership costs – up to 6000hrs lamp life
-  Energy saving <1W standby mode
-  RS232 for meeting room control systems
-  Quick start up and shut down time
-  Remote control
-  Lightweight and portable, carry bag included
-  Optoma EX521 filter-free design – virtually no maintenance



From boardroom to classroom, the EX521 delivers bright, high contrast presentations and images with crystal clarity. Vibrant, life-like colours using BrilliantColor™ technology will ensure your audience is left speechless every time the EX521 is turned on.

Whether travelling on business or having meetings away from the office, the convenient carry bag allows you to take the small and stylish EX521 from room to room or on the go with ease.

The environmentally friendly EX521 has energy saving features including <1W standby mode. Long lamp-life of 6000hrs combined with our unique Optoma Colour and Imager guarantees saves you both time and money while ensuring hassle-free, long lasting projection.

## CLEAR, FOCUSED IMAGES

DarkChip3™ technology from Texas Instruments produces a stunning 4500:1 contrast ratio for pin sharp, crystal clear images. Crisper whites and ultra rich blacks bring the image to life



1000:1 contrast ratio

4500:1 contrast ratio

\*Simulated Image

## AMAZING COLOURS

The EX521 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 EX521 projector won't fade or degrade.



## VIRTUALLY MAINTENANCE FREE

The EX521 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 EX521 incorporates energy saving features to conserve power and extend the lamp life:



To achieve the maximum 6000hrs<sup>2</sup> lamp life time the projector should be operating in ECO 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.

## CONTROL

The extensive RS232 command set makes it simple and easy to control the EX521 with any control system.



AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EX521. This feature allows for easy installation with AMX control systems.



## SMOOTH, SEAMLESS PROJECTION

Even in the fastest moving scenes, the EX521 will project a smooth and seamless image. The rapid response of DLP® technology ensures that the projected movie or video game remains perfect and precise.



With

Without

## FEATURES

- 6 preset display modes including Movie mode
- 4:3 and 16:9 widescreen
- Classroom mode – 1500 ANSI Lumens
- Password protection for added security
- Ceiling mount the projector or project from a coffee table
- Easy to use remote with direct source control



We know that improving our products is the best way to reduce our impact on the environment. That's why at Optoma, we design our products to have a long usable life, use fewer materials, ship with the minimum packaging and be free of all possible toxic substances. Naturally, energy efficiency and being recyclable are built in at the design stage. With each new product, we strive towards minimising our environmental impact. For full details of Optoma Project Green please visit our website.

Enjoy big bright pictures in the office, classroom day or night

## EX521 SPECIFICATIONS

Native Resolution	XGA 1024 x 768	
Display Technology	0.55" XGA DLP® chip, Technology by Texas Instruments	
Compatible Resolutions	UXGA, SXGA+, SXGA, WXGA, XGA, SVGA	
Brightness <sup>1</sup>	2600 ANSI Lumens	
Contrast Ratio	4500:1	
Lamp Life <sup>2</sup>	6000/5000 hours (ECO/BRIGHT mode)	
Noise Level	28dB (ECO mode)	
Weight / Dimensions (W x D x H)	2.3 kg / 286 x 192 x 84mm	
INPUTS	15 Pin D-Sub VGA, S-Video 4 Pin Mini Din Composite RCA Jack	SCART via adaptor, Component via adaptor
OUTPUT	15 Pin D-Sub	
Control	RS232 3 Pin mini-DIN	
Aspect Ratio	4:3 Native, 16:9 compatible	
On Screen Display	17 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish and Arabic	
Video Compatibility	PAL SECAM 625/576i/p, NTSC 525/480i/p HD 720p/1080i/p	
Uniformity	85%	
Zoom	1.1x Manual Zoom	
Projection Distance	1.2 – 12m	
Image Size	0.70 – 7.70m (27.49" – 303.12") Diagonal 4:3	
Keystone	±40° Vertical	
Operating Conditions Operating	5 - 35° C, 80% Humidity (Max), 3000m Altitude (Max)	
Power Supply	100 – 240V, 50 – 60Hz	
Power Consumption	233W BRIGHT mode < 1W Standby mode, 207W ECO mode < 1W Standby mode.	
Security	Kensington Lock Port, Password Protection	
In the BOX	Carry Bag, Power Cord, VGA Cable, UM CD, Quick Start Guide, Remote, Batteries	
RoHS	Compliant	
Lamp Warranty	6 months or 1000 hours – whichever comes sooner	
Warranty	Warranty will vary by country. Please see: <a href="http://www.optoma.eu">www.optoma.eu</a> or ask your local supplier for details	
Colour Guarantee <sup>3</sup>	5 Years	
Imager Guarantee <sup>4</sup>	5 Years	

## EASY TO USE REMOTE CONTROL

### EX521 Remote Control

- 1 Power
- 2 Vertical Keystone Correction
- 3 Volume Control
- 4 Brightness Adjustment
- 5 Digital Zoom
- 6 Contrast Adjustment
- 7 AV Mute
- 8 Freeze
- 9 Direct Input Source Selection



### EX521 Connections

- 10 VGA - SCART & Component
- 11 S-Video
- 12 Video
- 13 RS232 - 3 Pin
- 14 VGA Out
- 15 Kensington™ Lock

### Exceptional Connectivity / Multiple Terminals



EX521 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

For guide purposes only

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<sup>1</sup>Brightness and lamp lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. <sup>2</sup>Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. <sup>3</sup>Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (a) Guarantee is voided if the projector is subject to damage through misuse. (b) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive (c) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (d) Over time worn lamps within all projector types will show a slight colour variance. <sup>4</sup>Optoma guarantees that in normal use, the DLP® imager will retain image quality for at least 5 years and provide consistent pixel performance. Exclusions: (a) Guarantee is voided if the projector is subject to damage through misuse. (b) Guarantee may be void in industrial or commercial environments where dust or smoke is excessive. Copyright © 2011, 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. Some images may be simulated.