








# EX765

DLP® Projector

## Versatile Installation...

-  PureShift (V&H Shift) & 1.6x Zoom
-  Bright projection – 4000 ANSI Lumens
-  Digital and Analogue connectivity includes: HDMI, DVI-D, dual VGA
-  Low ownership costs – up to 4000hrs lamp life
-  Networking – RJ45 control and monitoring
-  Environmentally friendly design <1W standby mode
-  DLP® filter-free design – Virtually no maintenance



## Powerful installation projector

The Optoma EX765 is perfect for large room installations. Its high performance combined with a brightness of 4000 ANSI Lumens allow it to achieve crystal clear images from a great distance.

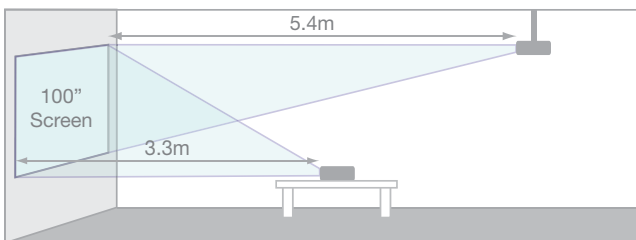
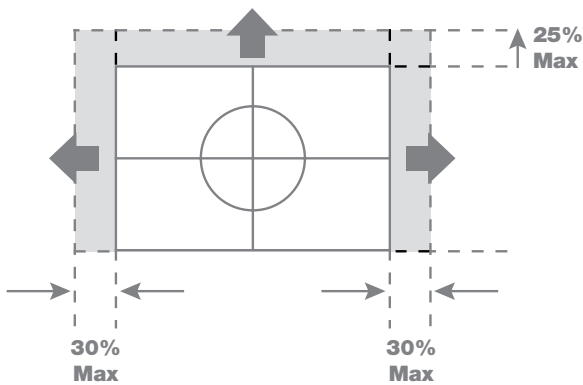
The introduction of PureShift technology gives your projector outstanding flexibility and with a 1.6x zoom, makes the EX765 an ideal replacement for existing ceiling mounted systems.

The environmentally friendly EX765 has energy saving features including <1W standby mode and auto power off saving you both time and money. Long lamp-life of 4000hrs combined with our unique Optoma Colour and Imager guarantees ensure hassle-free, long-lasting projection.

### 1.6X ZOOM AND PURESHIFT - EASY INSTALLATION

The EX765 can project a 100" diagonal image from any distance between 3.3m and 5.4m. The PureShift system provides a lens shift function that can be used to adjust the position of the projected image either horizontally or vertically within the range detailed in the diagrams below.

When replacing existing projectors, the 1.6x zoom and PureShift system will greatly increase your installation flexibility.

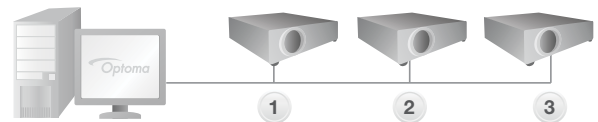


Above diagrams for guide purposes only

### PROJECTOR CONTROL AND MANAGEMENT

Projectors can be controlled and monitored over a network (LAN) using a web browser.

- Manage up to 99 projectors at the same time (via master PC)
- Control and alter the projector settings using a simple web browser page
- Instant onscreen display of messages to projectors
- Set up email alerts for warning messages
- Ideal for large installations both in the educational and business environments



### CONTROL

The extensive RS232 command set makes it simple and easy to control the EX765 with any control system.



AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EX765. This feature allows for easy installation with AMX control systems.

## EXTENSIVE CONNECTIVITY

This native XGA projector accepts a wide variety of computer and video input signals. Connectivity includes: HDMI, dual VGA-SCART and Component, S-Video, Composite, RS232 and RJ45.

Three audio inputs for individual PC and video connections enable the EX765 to function as an audio switcher and volume controller, thereby eliminating complicated and costly additional audio hardware and cabling.



## CLEAR, FOCUSED IMAGES

Technology from Texas Instruments produces a stunning 2500:1 contrast ratio for pin sharp graphics and crystal clear text. Crisper whites, ultra-rich blacks make images come alive and text easier to read - ideal for business and education presentations.



500:1 contrast ratio

2500:1 contrast ratio

†Simulated Image

## AMAZING COLOURS

The EX765 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

Preset display modes allow you to achieve a perfect image on a variety of surfaces including screens and interactive whiteboards.



## COLOUR AND IMAGE PERFORMANCE

**Optoma guarantees colour quality will remain as new for 5 years\***

Once you've purchased the EX765, Optoma guarantees that the colours will not fade and the image performance will not degrade for a minimum of 5 years.



## MAINTENANCE FREE = LOWER TOTAL COST OF OWNERSHIP (TCO)

DLP® technology ensures lower cost of ownership, longer life and improved reliability compared to other technologies.

The filter-free projector design means no more regular filter cleaning or replacements, saving you time and money.



## ENVIRONMENTALLY FRIENDLY

The EX765 incorporates energy saving features to reduce power consumption and extend the lamp life.

The timer control functions can automatically switch the projector off to standby mode <1W, conserving power and extending the lamp life to an astonishing 4000hrs\*\*.

## FEATURES

- Preset display modes
- Easy to use remote with laser pointer, mouse control and direct source selection
- Direct power on and Auto power off
- Customised start-up logo

## EX765 SPECIFICATIONS

|                          |   |
|--------------------------|---|
| Brightness - BRIGHT mode | 4000 ANSI Lumens  |
| Contrast                 | 2500:1  |
| Native Resolution        | XGA 1024 x 768  |
| Compressed Resolution    | UXGA (1600 x 1200)  |
| Noise Level              | 28dB  |
| Keystone Correction      | ± 40° Vertical  |
| PureShift Movement       | +25% Vertical, ±30% Horizontal (Max Movement)<br><b>Before installation please read EX765 install guide</b>   |
| Projection Lens          | F/2.41 ~ 3.2; f=18.39 ~ 29.42mm, 1.6x Manual Zoom   |
| Throw Ratio              | 1.62 - 2.64:1 (Projection Distance:Image Width)   |
| Projection Distance      | 1.2 - 10m   |
| Image Size               | 0.57 - 7.72m (22.39" - 304.06") Diagonal 4:3  |
| Display Technology       | Single 0.55" XGA DMD chip DLP® Technology by Texas Instruments  |
| Aspect Ratio             | 4:3 Native, 16:9 Compatible   |
| Lamp Life**              | 4000/3000 (STD/BRIGHT mode)   |
| Weight                   | 4.6 kg  |
| Dimensions (W x D x H)   | 364 x 283 x 127 mm  |
| Remote Control           | Full function remote with mouse control, laser pointer and direct source selecting  |
| INPUTS                   | HDMI (HDCP) - audio supported<br>DVI-D (HDCP)<br>2 x 15 Pin D-Sub VGA (SCART & Component via adaptor)<br>S-Video 4 Pin Mini Din<br>Composite RCA<br>3 x 3.5mm Audio Mini Jack<br>USB (remote mouse) |
| CONTROL                  | RS232 - 3 Pin D-sub & RJ45 - Network Control  |
| OUTPUT                   | 15 Pin D-Sub VGA (monitor loop-through)<br>3.5mm Audio Mini Jack<br>+12v Trigger  |
| Audio                    | 4W Speaker  |
| 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      | PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p  |
| Uniformity               | 85%   |
| Displayable Colours      | 134.2 Million   |
| Horizontal Scan Rate     | 15 - 91.1kHz  |
| Vertical Scan Rate       | 50 - 85Hz   |
| Power Supply             | 100 - 240V, 50 - 60Hz   |
| Power Consumption        | 233W BRIGHT mode < 1W Standby mode<br>207W STD mode < 1W Standby mode   |
| Operating Conditions     | Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (Max)   |
| Security                 | Kensington Lock Port, Password Protection   |
| Standard Accessories     | Lens Cover, AC Power Cord, VGA Cable, RS232 Cable, USB Cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card, WEEE Card                                      |
| RoHS                     | Compliant   |
| Lamp Warranty            | 6 months or 1000 hours - whichever comes sooner   |
| Warranty                 | Warranty may vary by country. Please see <a href="http://www.optoma.europa.com">www.optoma.europa.com</a> or ask your local supplier for details  |
| Colour Guarantee*        | 5 Years   |
| Imager Guarantee***      | 5 Years   |

## EASY TO USE REMOTE CONTROL

### EX765 Remote Control

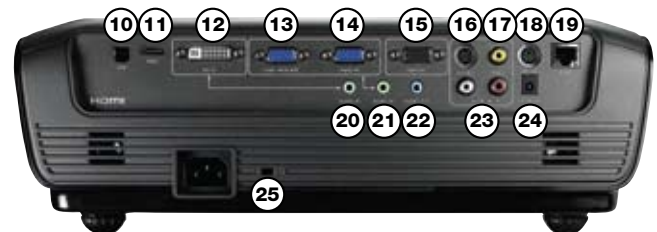
- 1 Laser
- 2 Remote Mouse
- 3 Page Up/Down Control
- 4 Help/Enter
- 5 Vertical Keystone Correction
- 6 Volume Control
- 7 AV Mute
- 8 Digital Zoom Control
- 9 Direct Input Source Selection



### EX765 Connections

- 10 USB (Remote Mouse)
- 11 HDMI (audio supported)
- 12 DVI-D
- 13 VGA 1 - SCART & Component
- 14 VGA 2
- 15 VGA Out
- 16 S-Video
- 17 Composite Video
- 18 RS232 - 3 Pin
- 19 RJ45
- 20 Audio In (DVI-D)
- 21 Audio In (VGA 1 & 2)
- 22 Audio Out
- 23 Audio In L&R (S-Video & Composite)
- 24 +12v Trigger
- 25 Kensington™ Lock

### Exceptional Connectivity / Multiple Terminals



Easy to use remote with buttons to change the input sources



| EX765 Projection Distance 1.2 - 10m (4:3 Aspect Ratio) |                                |                                |                        |                        |                             |                                |                                |
|--|--------------------------------|--------------------------------|------------------------|------------------------|-----------------------------|--------------------------------|--------------------------------|
| Projection Distance (m)                                | Max. Horizontal Image Size (m) | Min. Horizontal Image Size (m) | Max. Screen Height (m) | Min. Screen Height (m) | Max Diagonal Image Size (m) | Min Diagonal Image Size (inch) | Max Diagonal Image Size (inch) |
| 1.20   | 0.74                           | 0.45                           | 0.56                   | 0.34                   | 0.93                        | 22.39                          | 36.49                          |
| 2.00   | 1.23                           | 0.76                           | 0.93                   | 0.57                   | 1.54                        | 37.32                          | 60.81                          |
| 2.50   | 1.54                           | 0.95                           | 1.16                   | 0.71                   | 1.93                        | 46.64                          | 76.01                          |
| 3.00   | 1.85                           | 1.14                           | 1.39                   | 0.85                   | 2.32                        | 55.97                          | 91.22                          |
| 4.00   | 2.47                           | 1.52                           | 1.86                   | 1.14                   | 3.09                        | 74.63                          | 121.62                         |
| 5.00   | 3.09                           | 1.89                           | 2.32                   | 1.42                   | 3.86                        | 93.29                          | 152.03                         |
| 6.00   | 3.70                           | 2.27                           | 2.78                   | 1.71                   | 4.63                        | 111.95                         | 182.43                         |
| 7.00   | 4.32                           | 2.65                           | 3.25                   | 1.99                   | 5.41                        | 130.61                         | 212.84                         |
| 8.00   | 4.94                           | 3.03                           | 3.71                   | 2.28                   | 6.18                        | 149.26                         | 243.24                         |
| 9.00   | 5.56                           | 3.41                           | 4.18                   | 2.56                   | 6.95                        | 167.92                         | 273.65                         |
| 10.00  | 6.17                           | 3.79                           | 4.64                   | 2.85                   | 7.72                        | 186.58                         | 304.06                         |

For guide purposes only

EX765 is capable of 16:9 aspect ratio projection. When projecting a 16:9 image the image sizes, screen height and offset information will differ from the above.

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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. Please note that worn lamps will give slight variance. Exclusions: (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. \*\*Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. \*\*\* Optoma guarantees that in normal use, the DLP® imager guarantee will retain quality for at least 5 years providing consistent pixel performance. Exclusions: (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. Copyright © 2009, Optoma Europe Ltd. All other product names and company names used herein are for identifications 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.