Optoma

EX565UT
DLP® Projector

Clear & Bright
Ultra Short
Projection

60" 60" image from just 46cm away

Shadow Free Shadow-free images on projection surfaces

3D Ready Future proof design – 3D Ready

Bright images, vivid colours – 2500 ANSI Lumens

Low ownership costs - up to 4000hrs lamp life

HDMI Crystal clear images – HDMI connectivity, Native XGA

CR Crestron RoomView® – RJ45 control and monitoring

Secure cable management

Impressive sound quality – integrated 10W speaker

Environmentally friendly design <0.5W standby mode

3D Ready

3D-XL Ready

CRESTRON RoomView® connected

Projection without shadows

3D-Ready EX565UT Ultra Short Throw Projector

Eliminate shadows and glare using the EX565UT ultra short throw projector. The specially designed lens allows you to project huge images at an extremely short distance, allowing you to stand closer to the screen without any distractions.

Ideal for almost any room in educational and corporate environments, the EX565UT makes the most of the available space for installations using screens and interactive whiteboards. Captivate your audiences, increase their learning potential and help improve results with lessons in incredible 2D or 3D.

Using the specially designed wall mount* and clever cable management system the EX565UT is simple to install. Once in place the many security features ensure the projector is safe and secure.

Designed with the user in mind, the EX565UT with 2500 ANSI Lumens of brightness incorporates extensive connectivity, powerful 10W stereo speakers and Crestron RoomView® control to maintain and monitor the projector over the network. The environmentally friendly EX565UT has energy saving features including <0.5W 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.

ULTRA SHORT THROW BENEFITS

| PROBLEMS	SOLUTIONS ✓
LOCATION Shadows from the presenter or the audience appear on the screen. Light projecting directly into the eyes of anyone stood close to the screen surface. Projector positioned nearly 2m away to achieve a large screen size.	**ULTRA SHORT THROW (UST)** Position projector closer to the screen to eliminate shadows and stop light from shining in the presenter's eyes. UST projectors save space and enable very large projection displays even in the smallest of rooms.
SECURITY Lack of security features means projectors are vulnerable to vandalism and theft.	**PEACE OF MIND** Fully featured UST projectors are fitted with a security bar, Kensington™ lock and password protection. Cables are fully protected inside a concealed area within the projector to ensure a neat, tamper proof installation.
OLD TECHNOLOGY 2D projection fails to deliver the information needed to ensure it makes a real impact.	**LATEST TECHNOLOGY** Excite and engage your audience with the latest 3D projection. Tried and tested 3D technology proven to improve results. 3D projection is vital to creating the best classroom or meeting room environment.

ULTRA SHORT THROW LENS

Position the EX565UT even closer to the wall so that the light beam doesn't shine into your eyes. Project an impressive 60" diagonal image from just 46cm from the screen. Stand alone or wall mounted the EX565UT eliminates shadows on the screen and allows you to present with ease.

*OPTIONAL ACCESSORY

$1 + 1 = 2$

PERFECT FOR TEACHING ✓

Maximise space in the classroom for teachers and students. The teacher can stand close to the interactive whiteboard without having the intense light from the projector shining directly into their eyes.
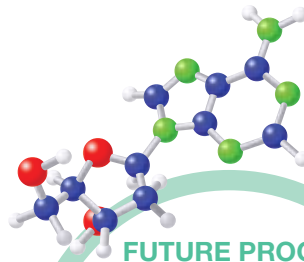
FUTURE PROOF TECHNOLOGY FOR THE CLASSROOM ✓

Engage and inspire your students with 3D lessons in Biology, Maths, Geography and many more.

ProJect Green

ENERGY EFFICIENT = ENVIRONMENTALLY FRIENDLY = SAVE MONEY ✓

Running costs are reduced thanks to reduced power consumption and standby mode <0.5W. When the projector is no longer required it will automatically turn off, saving energy and prolonging the life of the lamp.

DETAILED PROJECTION ✓

Easy to read text and graphs thanks to the incredibly high native contrast ratios.

Optoma

SECURE ✓

Kensington Lock, security bar and password protection help secure your projector and act as a theft deterrent.

Customised start-up screen helps identify who the projector belongs to.

Keypad lock prevents unauthorised adjustments and ensures the projector can only be controlled via the remote control or network.
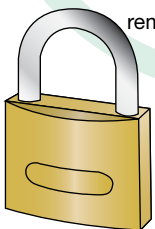
BRILLIANT COLOURS THAT LAST ✓

Project stunning, vibrant and accurate colour images that won't decay overtime thanks to BrilliantColor™ and DLP® technology.
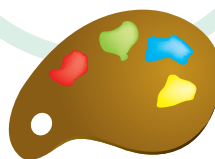
EASY TO CONTROL AND MONITOR ✓

Crestron RoomView® software provides a custom configurable interface to monitor, manage and control every projector in every room remotely from any computer.

CRESTRON RoomView® connected

EX565UT

DISCOVER THE ADVANTAGES OF 3D PROJECTION

EDUCATION

Bring the classroom to life. Engage and inspire your students with lessons taught in 3D. Increase your students interest and help them to explore the world, travel through space, see inside the body and bring new ideas to life.

OFFICE

Grab your colleagues or customers attention by delivering a winning presentation. Modelling costs are eliminated as the product can be brought to life in a virtual projected 3D world.

DISPLAY

Wow audiences in museums, galleries and shops to give them a 3D experience they really will remember.

HOW DOES 3D WORK?

Using the inherent speed of DLP® technology, Optoma 3D-Ready projectors can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D.

The 3D effect is generated by splitting this signal into two standard video streams, one for each eye. Using DLP® Link™ technology, the 3D glasses synchronise with the image on screen to filter each stream to the correct eye. Your brain then combines the two streams to make them jump into life.

WHAT YOU NEED

1. Optoma EX565UT
2. Optoma DLP®-Link™ Glasses
3. Quad-buffered graphics card (installed in a PC) and 3D educational software

For more information please visit **www.optoma.co.uk/3deducation.aspx**

The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. Support for 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 will require the Optoma 3D-XL that is available separately. See website for updates.

CARING FOR THE ENVIRONMENT

The EX565UT incorporates energy saving features to conserve power and extend the lamp life:

To achieve the maximum 4000hrs[2] lamp life time the projector should be operating in ECO mode and the shut down timer enabled to automatically switch off the projector if it is accidentally left on when no longer required.

Optoma's low energy standby mode significantly reduces power consumption, enabling environmentally friendly power management and lower cost of ownership.It takes less than 10 seconds for the projector to power up and shutdown, saving both time and energy.

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.

CLEAR, FOCUSED IMAGES

Lessons in the classroom and presentations in the boardroom demand sharp, flawless images. DarkChip3™ technology from Texas Instruments produces a stunning 3000:1 contrast ratio for pin sharp graphics and crystal clear text. Crisper whites, ultra-rich blacks makes images come alive and text easier to read.

To retain image clarity, Optoma projectors are designed with DLP® technology preventing degradation over time to give consistent pixel performance. Our Image Guarantee ensures a precise picture performance and hassle-free projection for a minimum of 5 years.

BRIGHT, DETAILED & COLOURFUL PROJECTION

Grab your audience' attention with bright, vivid projected images thanks to the BrilliantColor™ technology incorporated within the EX565UT.

Once you've purchased an Optoma DLP® projector, we guarantee that the colours compared to other leading technologies will not fade for a minimum of 5 years.

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

CRESTRON ROOMVIEW® - NETWORK CONTROL

RoomView® software provides a custom configurable interface to power on/off, monitor, manage and control up to 250 projectors at the same time from any computer.

- Schedule the projectors to power up/down saving time, money and extending the life of the lamp.
- Control and alter the projector settings using a simple web browser page including menu control.
- Send alerts for warning messages.
- Reduce maintenance time by automatically receiving emails for lamp replacements.
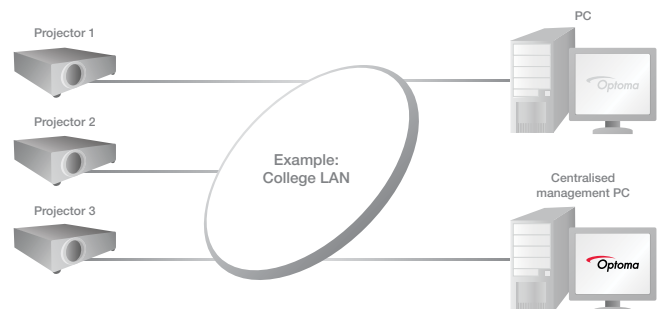
Download Crestron RoomView® Express software from:
www.crestron.com/getroomview

RS232 CONTROL

The extensive RS232 command set makes it simple and easy to control the EX565UT with any control system.

AMX Compatibility – Dynamic Discovery
Protocol is incorporated into the EX565UT. This feature allows for easy installation with AMX control systems.

EX565UT

CONNECT WITH EASE

The EX565UT easily connects to multiple devices such as computers, laptops, DVD players and games consoles.

TRUE HDMI

Project crystal clear images using HDMI v1.3 input. Hassle-free projection from a widescreen computer/HD source with a single HDMI cable – no need for separate audio cables.

EASY LAMP REPLACEMENT

Direct and easy access to the lamp whist the projector is in situ.

AUDIO POWER

Use a microphone and the powerful built-in 10W speakers to capture your audience attention from anywhere within your classroom or meeting room.

Two audio inputs from individual computer and video devices enable the EX565UT to function as an audio switcher and volume controller. The need for complicated and costly additional audio hardware and cabling is eliminated.

When the projector is in standby mode, external speakers can still be used by connection to the audio out connector. [only compatible with stereo mini-jack]

ENLARGE YOUR IMAGES

Use the digital zoom feature to explain the projected image in more detail.
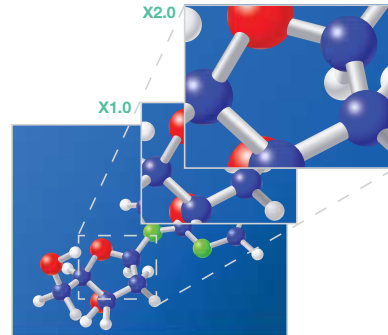
PERFECT PROJECTION

Quickly adjust misaligned images with vertical keystone correction.

INSTALLATION

Integrated cable management design ensures security and protection. Fitted with the customised OPCUWM900 wall mount the cables are concealed to ensure a neat, tamper proof installation.

PROJECTION TILTING

For tabletop use as well as wall and floor projection.

EX565UT SPECIFICATIONS

Native Resolution	XGA 1024 x 768
Display Technology	Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments
Brightness - BRIGHT mode[1]	2500 ANSI Lumens
Contrast	3000:1
Noise Level	29dB (ECO mode)
Lamp Life[2]	4000 (ECO mode)
Projections Lens	F Number 2.71 Focus Length 4.423mm Focus / Zoom Type Manual Focus / 2.0x Digital Zoom Throw Ratio 0.3777:1 (Projection Distance: Image Width)
Projection Distance	0.5 - 0.8m
Image Size	1.53 – 2.55m (60.18" – 100.25") Diagonal 4:3
Offset	128.5% ±5%
Weight / Dimensions (W x D x H)	7.6 kg / 426.5 x 407 x 210mm (inc feet)
Remote Control	Full function remote with direct source selecting
INPUTS	HDMI (HDCP) - audio supported 2 x 15 Pin D-Sub VGA S-Video 4 Pin Mini Din Composite RCA 3.5mm Audio Mini Jack - Audio computer input 2 x Stereo RCA - Audio video input USB (remote mouse) Microphone
CONTROL	RS232 - 3 Pin Mini DIN RJ45 [Operation during standby mode - ECO standby must be set to off]
OUTPUT	3.5mm Audio Mini Jack 15 Pin D-Sub VGA [Supported through VGA 1 only. Operation during standby mode - ECO standby must be set to off] +12v Trigger
Audio	10W Speaker
Aspect Ratio	4:3 Native, 16:9/16:10 Compatible
Keystone Correction	± 40° Vertical
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Farsi, Arabic & Romanian
Compatible Resolutions	UXGA, SXGA, WXGA, HD, XGA, SVGA
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
Uniformity	85%
Displayable Colours	1.07 Billion
Horizontal Scan Rate	15 - 91kHz
Vertical Scan Rate	24 - 85Hz (120Hz for 3D)
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	300W BRIGHT mode < 0.5W Standby mode 255W ECO mode < 0.5W Standby mode
Operating Conditions	Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (Max)
Security	Security Bar, Kensington™ Lock Port, Password Protection
Standard Accessories	Lens Cover, AC Power Cord, VGA Cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card, WEEE Card
RoHS	Compliant
Lamp Warranty	1 year or 2000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see www.optomaeurope.com or ask your local supplier for details
Colour Guarantee[3]	5 Years
Imager Guarantee[4]	5 Years
3D Support	120Hz frame sequential 3D for resolutions up to 720p. 60Hz field sequential 3D for resolutions up to 480i
3D Viewing	Requires Optoma DLP® Link™ active shutter glasses – sold separately
3D Compatibility	The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. Support for 3D TV broadcast systems,(SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 will require the Optoma 3D-XL that is available separately. See website for updates.

Optoma Accessories
Projector Wall Mount - Part number: OPCUWM900

Wall mount for the EX565UT

Telescopic mount with height adjustment plate for versatile installation.

Maximum projector image of 100" diagonal with the EX565UT.

Lamp - Part number: SP.8JA01GC01

Optoma genuine lamp modules are designed and tested to work specifically with your Optoma projector to ensure quality, good performance and longevity.

EASY TO USE REMOTE CONTROL

EX565UT Remote Control
1 Power
2 Remote Mouse
3 Page Up/Down control
4 Enter/Help
5 Vertical Keystone Adjustment
6 Volume Control
7 Brightness Adjustment
8 3D Control
9 Direct Input Source Selection
10 Freeze Control
11 AV Mute

EX565UT Connections
12 +12v Trigger
13 Audio In (VGA 1 & 2)
14 RS232
15 Composite Video
16 S-Video
17 VGA 1- Scart & Component
18 VGA Out
19 HDMI (audio supported)
20 USB (Remote Mouse)
21 RJ45
22 Audio Out
23 Microphone
24 Audio In (S-Video & Composite)
25 VGA 2- Component

Exceptional Connectivity / Multiple Terminals
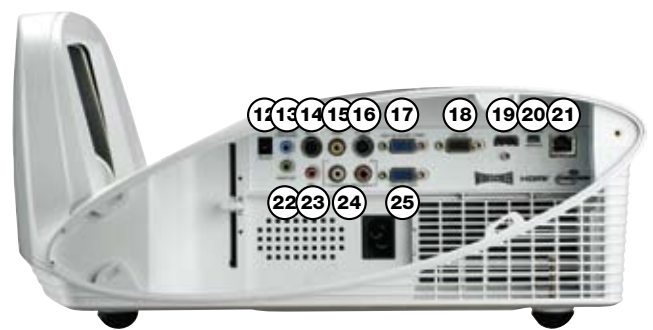
Projection Distance 0.5 - 0.8m XGA (4:3 Aspect Ratio)						
Distance from screen to projector (m)	Projection Distance from mirror (m)	Horizontal Image Size (m)	Vertical Image Size (m)	Diagonal Image Size (m)	Diagonal Image Size (inch)	Image Offset (m)
0.119	0.461	1.223	0.917	1.529	60.18	0.261
0.157	0.499	1.324	0.993	1.655	65.14	0.283
0.196	0.538	1.427	1.070	1.784	70.23	0.305
0.234	0.576	1.528	1.146	1.910	75.19	0.327
0.250	0.592	1.570	1.178	1.963	77.28	0.336
0.273	0.615	1.631	1.223	2.039	80.28	0.349
0.310	0.652	1.729	1.297	2.162	85.11	0.370
0.426	0.768	2.037	1.528	2.546	100.25	0.435

For guide purposes only

EX565UT is capable of 16:9/16:10 aspect ratio projection. When projecting a 16:9/16:10 image the image sizes, screen height and offset information will differ from the above.