

## W305ST

# Widescreen engaging 3D projection in the smallest of spaces



Native WXGA, 60" image from just 68cm away



Shadow-free images on interactive whiteboards



Bright images, vivid colours – 3200 ANSI Lumens



Long lamp life – up to 10,000 hours<sup>2</sup>



# W305ST

## SHORT THROW LENS

The W305ST can project an impressive 60" diagonal image from just 68cm from the screen. Standalone or wall mounted, the W305ST eliminates shadows on the screen and allows you to present with ease.



### BRIGHT, DETAILED & COLOURFUL PROJECTION

Grab your audience's attention with bright, vivid projected images thanks to the BrilliantColor™ technology incorporated within the W305ST.

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

### COLOUR GUARANTEE

We are so confident that the image colour quality of our projectors will remain as good as the day you bought it that Optoma will guarantee it for five years.



### CLEAR, FOCUSED IMAGES

Lessons in the classroom and presentations in the boardroom demand sharp, flawless images. DarkChip3™ technology from Texas Instruments produces a stunning 18,000:1 contrast ratio for pin sharp graphics and Crystal-clear text. Crisper whites & ultra -rich blacks make images come alive and text easier to read.

To retain image clarity, Optoma projectors are designed with DLP® technology preventing degradation over time to give consistent pixel performance.

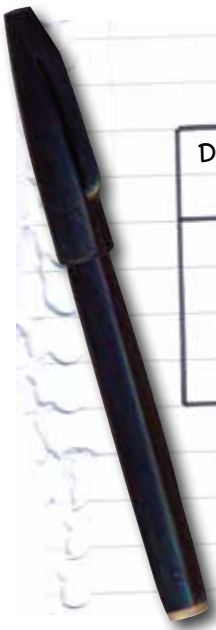


Low contrast

DarkChip3

### WIRELESS (OPTIONAL EXTRA)

WPS-3 Adapter lets you connect and display presentation & video material wirelessly. (Powered through VGA input)



Diagonal Image Size (inch/m)	Projection Distance (m)
61 / 1.54	0.68
71 / 1.79	0.79
80 / 2.04	0.90
90 / 2.29	1.01

## W305ST SPECIFICATIONS

Native Resolution	WXGA 1280 x 800
Display Technology	Single 0.65" WXGA DC3 DMD chip DLP® Technology by Texas Instruments
Brightness - BRIGHT mode <sup>1</sup>	3200 ANSI Lumens
Contrast	18,000:1
Noise Level	29dB (min)
Lamp Life <sup>2</sup>	6000/5000/4500 hours (Eco*/Dynamic/BRIGHT mode)
Education Cycle <sup>2</sup>	10,000 hours
Projections Lens	F Number 2.8 Focus Length 7.35mm Focus / Zoom Type Manual Focus / 2.0x Digital Zoom Throw Ratio 0.52:1 (Projection Distance: Image Width)
Projection Distance	0.5 - 2.5m
Image Size	1.13 - 5.67m (44.64" - 223.21") Diagonal 16:10
Offset	112.4% ±5%
Weight / Dimensions (W x D x H)	2.55 kg / 288 x 220 x 86mm
Remote Control	Full function remote with mouse control and direct source selecting
INPUTS	HDMI (HDCP) - audio supported 2 x 15 Pin D-Sub VGA Optional wireless via adaptor Component via adaptor S-Video 4 Pin Mini Din Composite RCA Audio In - 3.5mm Mini Jack USB Type B (remote mouse) RS232 - 9 Pin Mini DIN
CONTROL	
OUTPUT	15 Pin D-Sub VGA Audio Out - 3.5mm Mini Jack
Audio	2W Speaker
Aspect Ratio	16:10 Native, 16:9/4:3 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, Romanian, Farsi & Arabic
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	15.3 - 91.1kHz
Vertical Scan Rate	24 - 85Hz (120Hz for 3D)
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	235W BRIGHT mode < 0.5W Standby mode 205W 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	6 months or 1000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see <a href="http://www.optoma-europe.com">www.optoma-europe.com</a> or ask your local supplier for details
Colour Guarantee <sup>3</sup>	5 Years
3D Support	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. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
3D Viewing	Requires the Optoma DLP-Link shutterglasses - available separately.
3D Compatibility	Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60

Optoma Accessories	
<b>Projector Wall Mount - Part number: OWM855W</b>	
	Wall mount for the W305ST Telescopic mount with height adjustment plate for versatile installation. Maximum projector image of 100" diagonal with the W305ST.
<b>Lamp - Part number: SP.8TM01GC01</b>	
	Optoma genuine lamp modules are designed and tested to work specifically with your Optoma projector to ensure quality, good performance and longevity.
<b>WPS3-Adapter</b>	
	Adapter lets you connect and display presentation & video material wirelessly. (Powered through VGA input)
<b>ZD301 - 3D Glasses</b>	
	Optoma ZD301 glasses allow compatible content to be viewed in stunning stereoscopic 3D.

### Optoma Europe Ltd.

42 Caxton Way, Watford Business Park, Watford, Hertfordshire, UK. WD18 8QZ

[www.optoma.co.uk](http://www.optoma.co.uk)

<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. The 10,000hrs is based on the Education Cycle. The Education Cycle is based on a daily usage pattern. Guidelines are provided upon request. <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. Copyright © 2013, 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. All images of products are for representation purposes only. Whilst every care is taken to provide accurate images of our products, actual products may differ slightly. Some product images may have been digitally altered by us to add an Optoma logo to the front panel. Optoma reserves the right to amend or alter actual product or product images without notice. Some images may be simulated.

## EASY TO USE REMOTE CONTROL

### W305ST Remote Control

- Power
- Mouse select
- Source
- Re-sync
- Left mouse click
- Right mouse click
- Mouse control
- Display mode
- Page up/down control
- Vertical keystone correction
- Volume control
- Brightness
- Menu
- Direct input source select
- Eco AV mute
- Eco\*
- 3D control



### W305ST Connections

- USB (Remote Mouse)
- HDMI
- Video
- S-Video
- VGA Out
- VGA 1
- RS232
- Audio In
- VGA 2
- Kensington™ Lock
- Audio Out



### W305ST Projection Distance 0.5 - 2.5m (16:10 Aspect Ratio)

Projection Distance (m)	Horizontal Image Size (m)	Vertical Image Size (m)	Diagonal Image Size (m)	Diagonal Image Size (inch)	Image Offset (m)
0.50	0.96	0.60	1.13	44.64	0.07
0.60	1.15	0.72	1.36	53.57	0.09
0.70	1.35	0.84	1.59	62.50	0.10
0.80	1.54	0.96	1.81	71.43	0.12
0.90	1.73	1.08	2.04	80.35	0.13
1.00	1.92	1.20	2.27	89.28	0.15
1.10	2.12	1.32	2.49	98.21	0.16
1.20	2.31	1.44	2.72	107.14	0.18
1.30	2.50	1.56	2.95	116.07	0.19
1.40	2.69	1.68	3.17	125.00	0.21
1.50	2.88	1.80	3.40	133.92	0.22
2.00	3.85	2.40	4.54	178.57	0.30
2.50	4.81	3.00	5.67	223.21	0.37

### For guide purposes only

W305ST is capable of 4:3/16:9 aspect ratio projection. When projecting a 4:3/16:9 image the image sizes, screen height and offset information will differ from the above.

