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Optoma

DX345

Bright projection

- Bright projection – 3000 ANSI Lumens
- XGA resolution, 13,000:1 contrast ratio
- Low ownership costs - up to 10,000 hours² lamp life
- Lightweight and portable, carry bag included

DX345

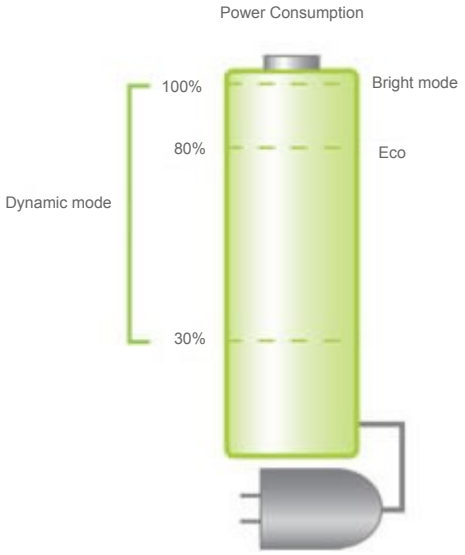
Ideal for use in a meeting room or classroom, the bright 3000L DX345 with 15,000:1 contrast allows you to project bright, crystal clear images with superb colours using DLP®, BrilliantColor™ and Dynamic Eco+ technology.
The DX345 also provides you with energy and cost saving features with an incredible lamp life of up to 10,000 hours. It also incorporates a built in speaker, 120Hz 3D Ready technology and optional wireless capabilities allowing you to present wirelessly from a PC or mobile device with ease. Installed or on the move with the included carry bag, the versatile DX345 is the perfect projector for all your display needs.

Green Solutions

Eco+ technology from Optoma increases our commitment to reducing the impact we all make on the environment

Dynamic Mode

Saving energy saves money! Dynamic Mode reduces the power consumption to as little as 30%. This intelligent feature can more than double your expected lamp life, lowering the total cost of ownership and reducing maintenance.



Eco AV Mute

Stay in control of your presentation with the Eco AV mute feature. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also instantly reduces the power consumption to 25%, further prolonging the life of your lamp.

Eco AV mute off
100% power consumption

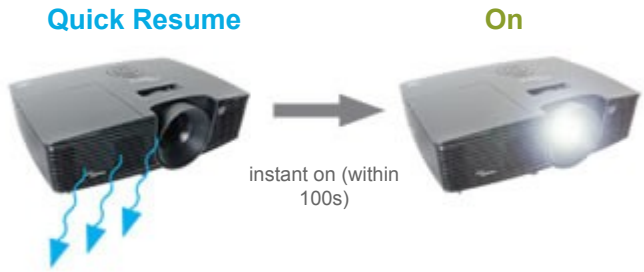
Eco AV mute on
25% power consumption

Rapid Off

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

Quick Resume

Save time by not waiting for the projector to cool down before it can power up again. If the projector is accidentally turned off, this feature allows the projector to be instantly powered on again, if selected within a period of 100 seconds.



Audio Performance

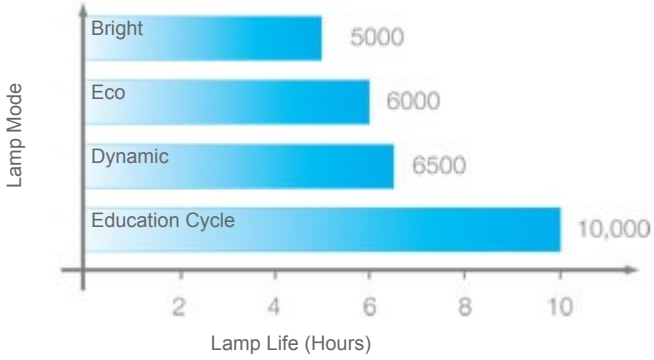
Built-in 2W speaker offers excellent audio support. The DX345 is easy to set up without the need for costly external speakers

Brightness Where It Matters

Room lighting can be unpredictable for the business traveller; you never know what to expect. The DX345 has a powerful lamp producing 3000 ANSI Lumens, so you can be sure your presentation will be bright and clear.

Cost Saving – Long Lamp Life

Reduce the number of lamp changes with lamp life of up to 10,000 hours² using the Education Cycle.



Clear, Focused Images

Produce a stunning 15,000:1 contrast ratio for pin sharp graphics and crystal clear text using the unique Dynamic mode feature.

Combined with DarkChip3 technology for Texas Instruments, Dynamic mode automatically adjusts the lamp output, based on the brightness information of each frame; to create a stunning high contrast ratio. Bright scenes are crisp and clear, while dark scenes remain detailed with deep blacks which gives exceptional light and shade detail.

2000:1 Contrast Ratio

15,000:1 Contrast Ratio

3D Ready

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 from a compatible computer.

Wireless Presenting (optional extra)

Making presentations couldn't be easier using the optional wireless features of the DX345. Using the Wireless Adapter you can connect and display presentations and video material wirelessly from a laptop, PC or mobile device.

Project Green

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.

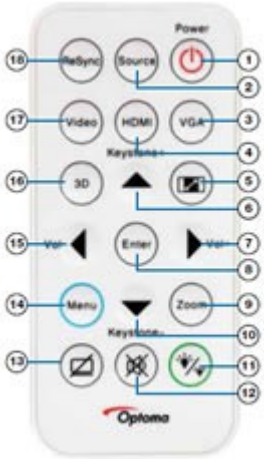
DX345 Specification

Display Technology	Single 0.55” XGA DC3 DMD chip DLP® Technology by Texas Instruments
Native Resolution	XGA 1024 x 768
Brightness[1] (Bright Mode)	3000 ANSI Lumens
Contrast	13,000:1
Noise Level (Eco mode)	29dB
Weight (kg)	2.35
I/O Connectors	2 x VGA (YPbPr/RGB/Wireless), S-Video, Composite, 2 x Audio In 3.5mm, Audio Out 3.5mm, VGA Out, RS232, USB Service
Maximum Resolution	UXGA 1600 x 1200
Computer Compatibility	UXGA, SXGA, XGA, SVGA, VGA, Mac
Video Compatibility	PAL (B, D, G, H, I, M, N, 4.43MHz), NTSC (M, J, 3.58MHz, 4.443MHz), SECAM (B, D, G, K, K1, L, 4.25,MHz, 4.4MHz, 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) 1080p(24/50/60Hz)
Displayable Colours	1073.4 Million
Projection Lens	F/2.41 – 2.55; f=21.8 – 23.98mm, 1.1x Manual Zoom
Throw Ratio	1.95 - 2.15:1
Projection Screen Size	0.70 - 7.62m (22.9" - 300") Diagonal 4:3
Projection Distance	1.2 - 12 metres
Zoom Type	1.1x Manual
Aspect Ratio	4:3 Native, 16:9 Compatible
Offset	115%
Horizontal Scan Rate	15.3 - 91.1kHz
Vertical Scan Rate	24 - 85Hz
Lamp Type	190W
Lamp Life (Eco/Bright Mode)	6000/5000
Keystone Correction	± 40° Vertical
Audio	2W
Dimensions (W x D x H) (mm)	314.6 x 223.6 x 101.7
Remote Control	Card style remote with direct source selecting
Power Supply	100-240V, 50-60Hz
Power Consumption	225W BRIGHT mode < 0.5W Standby mode, 191W Eco mode < 0.5W Standby mode
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Uniformity	80%
Security	Security Bar, Kensington Lock, Password Protection
Standard Accessories	Carry Bag, AC Power Cord, VGA Cable, Infra Red Remote Control with Batteries, Quick Start Card, CD User Manual, Warranty Card
Optional Accessories	Ceiling Mount Kit, WPS
RoHS	Compliant
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 Viewing	Requires the Optoma DLP-Link shutterglasses - available separately.
3D Compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Speaker (Watts)	2
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi and Arabic.
Optional Wireless	Yes
Features	Up to 10,000 hours lamp life - Education Cycle

Easy To Use Remote

DX345 Remote Control

1. Power
2. Source
3. VGA 1 / VGA 2
4. HDMI
5. Format
6. Up / Keystone +
7. Right / Volume +
8. Enter
9. Zoom
10. Down / Keystone -
11. Lamp Mode
12. Mute
13. AV Mute
14. Menu
15. Left / Volume -
16. 3D
17. Video / S-Video
18. ReSync



DX345 Connections

1. S-Video
2. VGA Out
3. VGA 1
4. VGA 2
5. Video
6. Audio2 In
7. Security Bar
8. Audio Out
9. Audio1 In
10. RS232 9 Pin
11. USB (Service / Mouse)
12. Power
13. Kensington Lock

Exceptional Connectivity / Multiple Terminals

DX345 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

DX345 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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[1]Brightness and lamp lifetime will vary depending on the selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. [2]Typical lamp life achieved through testing and will vary according to operational use and environmental conditions. 10,000 hours lamp life is based on a daily cycle that reflects projector usage in a typical education environment. Details of this cycle are available on request. [3]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, product specifications or product images without notice. Some images may be simulated.

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