**SONY**

# VPL-DX142

3,200 lumens XGA Desktop
projector

## Overview

**Economical desktop projector for office and classroom, offering high performance and superior ease of use**

The VPL-DX142 is packed with features optimised for the business and education markets at a reasonable price. The projector is compact and lightweight, with its simple design making it very easy to set up.

Sony 3LCD BrightEra™ panel technology provides bright and colourful projection. Plenty of interfaces allow easy connection, while a choice of Picture Modes optimises viewing with any source – slide presentations, PC documents, pictures or videos. There's a range of smart energy-saving features built in, including auto power saving function. And with a recommended lamp replacement time of 10,000 hours, downtime and maintenance costs are minimised.

## Features

**Compact, lightweight and stylish design**
The VPL-DX142 has a compact and lightweight body with a small footprint of approximately 315 x 75 x 230.5 mm (12 13/32 x 2 15/16 x 9 1/16 inches) and a light weight of approximately 2.5 kg (5.4 lb). This compact, lightweight projector is convenient for carrying around a meeting room or classroom.

### Energy efficient with long-lasting lamp of 10,000 hours

The lamp driver optimally controls the wattage of the lamp and achieves a long-lasting lamp time of 10,000* hours. The recommended lamp replacement time is extended by 43%, compared to the previous model.
*Lamp mode: low, Complies with IEC61947 standard.

### Advanced energy-saving features

Advanced lamp technology enables robust energy-saving features. For example, greater brightness control in Auto Light Dimming mode saves considerable energy when the projector is left on without being used. During projection, Auto Lamp Mode automatically adjusts light output to suit the projected scene. When you need to mute the picture temporarily, light output can be completely deactivated to minimise energy consumption.

### High image quality 3LCD BrightEra™ natural and vivid colour images

XGA (1024 x 768) 4:3 screen resolution, 3LCD BrightEra™ natural and vivid colour images, plus various Picture Modes for optimising image quality, make the projector one of the best in its class. Thanks to the optical system projecting three basic colours constantly, the projector offers excellent light efficiency, ensuring colourful and bright images. Sony's BrightEra™ panels deliver improved panel light resistance, higher resolution, high brightness and increased panel reliability. High colour reproducibility is important especially when using colourful content, such as materials used in classrooms.

### Various picture modes for optimal picture quality

The projector has six available picture modes for correct picture quality: Dynamic, Standard, Presentation, Blackboard, Game, and Cinema. With six picture modes and three brightness modes combined, the user can select the most suitable picture / brightness combination according to the picture source and

environment, to create the optimal image.

## Specifications

| Display System | |
| --- | --- |
| Display System | 3 LCD system |

| Display device | |
| --- | --- |
| Size of effective display area | 0.63" (16 mm) x 3 BrightEra LCD Panel, Aspect ratio: 4:3 |
| Number of pixels | 2,359,296 (1024x768 x 3) pixels |

| Projection lens | |
| --- | --- |
| Focus | Manual |
| Zoom - Powered/Manual | Manual |
| Zoom - Ratio | Approx. x 1.3 |
| Throw Ratio | 1.37:1 to 1.80:1 |

| Light source | |
| --- | --- |
| Type | Ultra high pressure mercury lamp |
| Wattage | 210 W type |

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## Recommended lamp replacement time *1

| | |
|---|---|
| Lamp mode: High | 3000 H |
| Lamp mode: Standard | 5000 H |
| Lamp mode: Low | 10000 H |

## Filter cleaning / replacement cycle (Max.) *1

| | |
|---|---|
| Filter cleaning / replacement cycle (Max.) | 1000 H (Cleaning) |

## Screen size

| | |
|---|---|
| Screen size | 30" to 300" (0.76 m to 7.62 m) (measured diagonally) |

## Light output

| | |
|---|---|
| Lamp mode: High | 3200 lm |
| Lamp mode: Standard | 2300 lm |
| Lamp mode: Low | 2000 lm |

## Color light output

| |
|---|
| 3200 lm |

Lamp mode: High

| | |
|---|---|
| Lamp mode: Standard | 2300 lm |
| Lamp mode: Low | 2000 lm |

## Contrast ratio (full white / full black) *2

| | |
|---|---|
| Contrast ratio (full white / full black) | 3000:1 |

## Speaker

| | |
|---|---|
| Speaker | 1 W x 1 (monaural) |

## Displayable scanning frequency

| | |
|---|---|
| Horizontal | 19 kHz to 92 kHz |
| Vertical | 48 Hz to 92 Hz |

## Display resolution

| | |
|---|---|
| Computer signal input | Maximum display resolution: UXGA 1600 x 1200 dots*3 |
| | NTSC, PAL, SECAM,480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i |

| | |
|---|---|
| Video signal input | The following items are available for digital signal (HDMI input) only; 1080/60P, 1080/50p |

## Color system

| | |
|---|---|
| Color system | NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N |

## Keystone correction (Max.)

| | |
|---|---|
| Vertical | +/- 30 degrees |

## OSD language

| | |
|---|---|
| OSD language | 23-language (English, French, German, Italian, Spanish, Portuguese, Japanese, Simplified Chinese, Traditional Chinese, Korean, Russian, Dutch, Norwegian, Swedish, Thai, Arabic ,Turkish, Polish, Vietnamese, Farsi, Finnish, Indonesian, Hungarian) |

## INPUT OUTPUT (Computer/Video/Control)

RGB / Y PB PR input connector:

| | |
|---|---|
| INPUT A | Mini D-sub 15 pin female<br>Audio input connector: Stereo mini jack (shared with VIDEO IN) |
| INPUT B | HDMI input connector: HDMI 19-pin, HDCP support |
| VIDEO IN | Video input connector: Pin jack<br>Audio input connector: Shared with INPUT A |

## Acoustic noise

| | |
|---|---|
| Lamp mode: Low | < 35 dB |

## Operating temperature / Operating humidity

| | |
|---|---|
| Operating temperature / Operating humidity | 0°C to 35°C (32°F to 95°F) / 20% to 80%  (no condensation) |

## Storage temperature / Storage humidity

| | |
|---|---|
| Storage temperature / Storage humidity | -10°C to +60°C (14°F to +140°F) / 20% to 80%  (no condensation) |

## Power requirements

| | |
|---|---|
| | AC 100 V to 240 V, 2.9 A to 1.2 A, 50 |

| Power requirements | Hz / 60 Hz |
|---|---|

## Power consumption

| AC 100 V to 120 V | Lamp mode: High: 290 W |
|---|---|
| AC 220 V to 240 V | Lamp mode: High: 277 W |

## Power Consumption (Standby Mode)

| AC 100 V to 120 V | 0.5 W (when "Standby mode" is set to "Low") |
|---|---|
| AC 220 V to 240 V | 0.5 W (when "Standby mode" is set to "Low") |

## Heat dissipation

| AC 100 V to 120 V | 987 BTU/h |
|---|---|
| AC 220 V to 240 V | 943 BTU/h |

## Dimensions (W x H x D)

| Dimensions (W x H x D) (without protrusions) | Approx. 315 x 75 x 230.5 mm (12 13/32 X 2 15/16 X 9 1/16 inches) |
|---|---|

## Mass

| | |
|---|---|
| Mass | Approx. 2.5 kg (5.5 lb) |

## Supplied accessories

| | |
|---|---|
| Remote commander | RM-PJ8 |

## Optional Accessories

| | |
|---|---|
| Optional Lamp | LMP-D213 |

## Notes

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|---|---|
| *1 | This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used. |
| *2 | The value is average. |
| *3 | Available for VESA Reduced Blanking signal. |
| Environmental notice for customers in the USA | Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or see |

www.sony.com/mercury for
additional information.

## Gallery