

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

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

Display device

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|--------------------------------|--|
| 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 |
|-------|--------|

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|-----------------------|--------|
| 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 |
|---------|------------|

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 1000 H (Cleaning)
(Max.)

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 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 Audio input connector: Shared with INPUT A |

Acoustic noise

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

Operating temperature / Operating humidity

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|---|---|
| Operating temperature / Operating humidity | 0°C to 35°C (32°F to 95°F) / 20% to 80% (no condensation) |
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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) Approx. 315 x 75 x 230.5 mm (12
(without protrusions) 13/32 X 2 15/16 X 9 1/16 inches)

Mass

www.sony.com/mercury for
additional information.

Gallery

