

VPL-EW276

3,700 lumens WXGA Portable projector with wireless connectivity



Overview

Bring learning to life with this bright, energy-efficient, wireless-ready portable projector that's made for today's classrooms

Teaming detail-packed WXGA image quality with smart environmentally-friendly features, the VPL-EW276 portable projector enhances learning with powerful presentations that really stand out.

Simple to use and wireless ready, it's ideal for maximising student engagement in today's networked classrooms. Designed in consultation with teachers, the VPL-EW276 is your ideal partner throughout the busy school day.

Sony BrightEra™ panel technology assures clear, WXGA pictures in any conditions, from daylight to darkened classrooms. Plenty of interfaces allow easy connection, while a choice of Picture Modes optimises viewing with any source – slide presentations, PC documents, videos or web sites.

Adding an optional Wi-Fi module lets students and teachers wirelessly share homework, images and graphics from mobile devices like smartphones and tablets.

There's a wide range of smart energy-saving features built in. And with a recommended lamp replacement time of 7,000 hours, downtime and maintenance costs are minimised.

Features

Clear, punchy images with maximum 3700 lumen brightness

Enjoy smooth, sharp, extremely bright images in any classroom or meeting room. Choose from three brightness modes to suit any environment – High for naturally white presentations in bright rooms, Standard for everyday use, and Low for watching video in darkened rooms.

WXGA resolution for detail-packed presentations

The projector's native WXGA (1280 x 800) 16:10 screen resolution panel is perfect for making presentations direct from a laptop or PC.

3LCD BrightEra™ Technology

Unique to Sony, BrightEra™ panels delivers high image resolution and very high brightness as well as increased panel reliability.

Six Picture Modes to suit any subject

A choice of six picture modes (Dynamic, Standard, Game, Blackboard, Cinema and Presentation) offers optimised picture quality with any source material. Combine picture modes with three brightness modes to suit virtually any presentation requirement.

Wireless ready

Add the optional IFU-WLM3 USB wireless module and connect the projector with other devices in the classroom, from PCs to smartphones or tablets.

Recommended lamp replacement time of 7,000 hours

Reduced gap expansion minimises brightness gradation, while new cooling system allows uniformity in the temperature of the glass bulb which prevents the glass from clouding.

Save energy at the touch of a button

Easily select power-saving ECO Modes with a single button push; additional environmentally-friendly settings are easily accessible via intuitive menus.

Lamp Dimming

Projector lamp brightness is gradually reduced automatically if no input signal is detected, or after a pre-set time – cutting power consumption by up to 30% and saving energy bills.

Auto Mode (Auto Brightness Adjustment Function)

Lamp brightness is automatically adjusted brightness depending on picture content: the darker the image, the greater the energy savings (up to approx. 70% lamp power reduction, based on image).

Picture Mute (Instant Off/On)

Touch a button on the projector remote and the picture's muted instantly – cutting power consumption down to 30% and saving lamp hours. Another touch and the projector's instantly powered back up to resume your presentation. There's also a separate button to mute audio only.

Off and Go

Touch a button at the end of your presentation and projector is turned off immediately, without going through a lengthy power-down cycle.

Direct Power On/Off

There's no need to go through Standby mode when powering up the projector: the projector activates as soon as power is supplied.

Vertical Keystone Adjustment

Even if the projector is aligned too high or too low in relation to the screen, keystone adjustment electronically adjusts the projected image for an accurately-proportioned picture with true verticals.

Smart APA (Auto Pixel Alignment)

Phase, Pitch and Shift values are automatically optimised when using the projector with a PC source.

Auto Input Search

The projector automatically switches to the correct input, simplifying set-up and saving time.

Audio switcher facility

The projector can select between two audio sources, routing them via a variable audio output to the room amplification system.

Digital Zoom

Instantly magnify a selected area of the screen by up to 4x for a really close-up view of images from a connected PC.

Built-in Security Measures

Your investment is protected with a package of security measures including password protection and physical anti-theft anchor points.

Display system

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

Display device

| | |
|--------------------------------|-------------------|
| Size of effective display area | 0.75" (19.0 mm) |
| Number of pixels | WXGA (1280 x 800) |
| Aspect ratio | 16:10 |

Projection lens

| | |
|-------------------------|------------------|
| Focus | Manual |
| Zoom > Powered / Manual | Manual |
| Zoom > Ratio | Approx. 1.6 x |
| Throw ratio | 1.10:1 to 1.79:1 |

Light source

| | |
|---------|------------|
| Type | *1 lamp |
| Wattage | 210 W type |

Recommended lamp replacement time*2

| | |
|---------------------|--------|
| Lamp mode: High | 3000 H |
| Lamp mode: Standard | 5000 H |
| Lamp mode: Low | 7000 H |

Filter cleaning / replacement cycle*2 (Max.)

| | |
|----------------------------------------------|---------------------|
| Filter cleaning / replacement cycle*2 (Max.) | 7000 H*3 (cleaning) |
|----------------------------------------------|---------------------|

Screen size

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

Light output

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|---------------------|-----------|
| Lamp mode: High | 3700 lm |
| Lamp mode: Standard | 2800 lm*4 |
| Lamp mode: Low | 2100 lm*4 |

Color light output

| | |
|---------------------|-----------|
| Lamp mode: High | 3700 lm |
| Lamp mode: Standard | 2800 lm*4 |
| Lamp mode: Low | 2100 lm*4 |

Contrast ratio (full white / full black)*5

| | |
|--------------------------------------------|--------|
| Contrast ratio (full white / full black)*5 | 3000:1 |
|--------------------------------------------|--------|

Input

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|------------------------------|---|
| Composite video > Pin Jack | 1 |
| S video > Mini DIN 4-pin | 1 |
| Computer > Mini D-sub 15-pin | 2 |
| HDMI (HDCP) | 1 |
| Audio > Pin Jack (L/R) | 1 |
| Audio > Stereo mini jack | 2 |

Output

| | |
|-----------------------------|-----|
| Monitor > Mini D-sub 15-pin | 1*6 |
| Audio*7 > Stereo mini jack | 1 |

I/O, Control, Others

| | |
|----------------------------------|----------------------|
| RS-232C > D-sub 9-pin | 1 (male) |
| LAN > RJ-45, 10BASE-T/100BASE-TX | 1 |
| USB > Type A | 1 |
| USB > Type B | 1 |
| Microphone input > Mini jack | 1 |
| Wireless | IFU-WLM3(Optional)*8 |

Speaker

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| Speaker | 16 W x 1 (monaural) |
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Keystone correction (Max.)*9

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|----------|---------|
| Vertical | +/- 20° |
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Power requirements

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|--------------------|-----------------------------------------------|
| Power requirements | AC 100 V to 240 V 3.1 A to 1.3 A, 50/60 Hz |
|--------------------|-----------------------------------------------|

Power consumption

| | |
|-----------------------------------------|---------|
| AC 100 V to 120 V > Lamp mode: High | 303 W |
| AC 100 V to 120 V > Lamp mode: Standard | 256 W*4 |
| AC 100 V to 120 V > Lamp mode: Low | 226 W*4 |
| AC 220 V to 240 V > Lamp mode: High | 294 W |
| AC 220 V to 240 V > Lamp mode: Standard | 247 W*4 |
| AC 220 V to 240 V > Lamp mode: Low | 218 W*4 |

Standby mode power consumption

| | |
|------------------------------|-------|
| AC 100 V to 120 V > Standard | 5.9 W |
| AC 100 V to 120 V > Low | 0.5 W |
| AC 220 V to 240 V > Standard | 5.9 W |
| AC 220 V to 240 V > Low | 0.5 W |

Heat dissipation

| | |
|-------------------|----------|
| AC 100 V to 120 V | 1034 BTU |
| AC 220 V to 240 V | 1003 BTU |

Dimensions (W x H x D) (without protrusions)

| | |
|-------------------------------------------------|------------------------------------------------------|
| Dimensions (W x H x D) (without protrusions) | 365 x 96.2 x 252 mm 14 3/8 x 3 25/32 x 9 29/32 in |
|-------------------------------------------------|------------------------------------------------------|

Mass

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|------|--------------------|
| Mass | 4.1 kg / 9 lb 1 oz |
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Supplied accessories

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| Remote commander | RM-PJ8 |
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Optional accessories

| | |
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| Replacement lamp | LMP-E212 |
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| Wireless LAN Module | IFU-WLM3 |
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Notes

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| *1 | Ultra high pressure mercury. |
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| *2 | The figures are the expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used. |
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| *3 | Same time as the lamp replacement is recommended. |
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| *4 | The values are estimate. |
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|----|------------------------|
| *5 | This value is average. |
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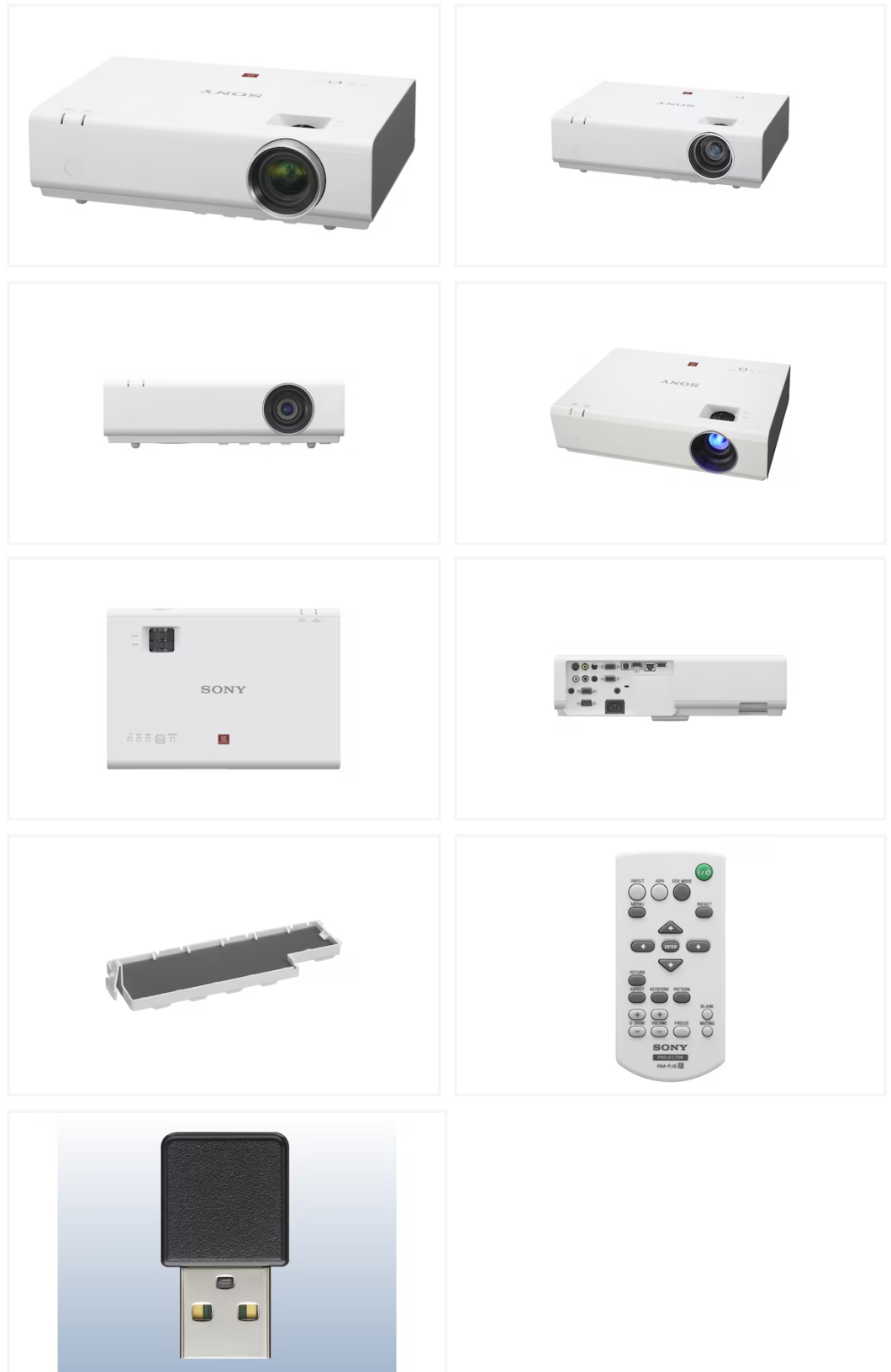
| | |
|----|---------------------------|
| *6 | From INPUT A and INPUT B. |
|----|---------------------------|

| | |
|----|------------------------------------------------------------------------------------------------|
| *7 | Works as an audio switcher function. Output from a selected channel; not available in standby. |
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| *8 | 14 Connect to USB Type-A terminal. |
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| *9 | Depends on resolution. |
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| 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. |
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