

VPL-FH60

5,000 lumens WUXGA 3LCD
installation projector (colour
availability may vary by country)



Overview

Bring presentations to life with impressive brightness and picture quality - plus easy, flexible integration and powerful picture features.

The VPL-FH60 installation projector is ideal for a wide range of business, education and entertainment applications. The energy-efficient High Pressure Mercury (HPM) lamp source is teamed with Sony's advanced BrightEra 3LCD projection engine, delivering extremely bright, detail-packed WUXGA resolution images with generous 5000 lumens brightness and rich, stable colours. Reality Creation and Contrast Enhancer technologies fine-tune image quality even further to assure exceptional clarity, realism and punch with every presentation.

With a stylish blend-in design, neat cable management and low fan noise, the VPL-FH60 integrates smoothly into almost any environment – from academic institutions, corporate, medical training and public sector organisations to visitor attractions and retail spaces. Easy set-up's assisted by a friendly new installation menu.

VPL-FH60/W is the white model.

VPL-FH60/B is the black model.

Black and lensless models available in Europe; please check for local availability.

Features

Very high image quality with BrightEra 3LCD projection engine

The energy-efficient High Pressure Mercury (HPM) lamp source is coupled with Sony's acclaimed BrightEra 3LCD projection engine to ensure high 5000 lumen image brightness with vivid, natural colour reproduction.

Advanced picture refinement technologies

Picture quality is boosted by advanced processing featured on Sony home cinema projectors. Reality Creation uses a powerful pattern-matching database to optimise every pixel. Contrast Enhancer actively analyses and refines dark and light image areas for sparkling highlights and rich, deep blacks.

Crisp, detail-packed WUXGA resolution images

See the finest detail in PC presentations, videos or multimedia signage with WUXGA (1920 x 1200) 16:10 resolution.

Hassle-free automatic filter cleaning

Focus on great-looking images instead of arduous maintenance: automated filter cleaning system removes dust every 100 hours.

Powered Wide Lens Shift

Generous lens shift adjustments give more flexibility for positioning the projector where you need it: close to ceilings or even horizontally offset.

Included powered standard zoom lens plus wide choice of lens options

Installation flexibility is increased by a wide range of compatible lens options to suit virtually any size of room and throw requirements. New quick-release bayonet mount simplifies quick lens exchange.

Supports HDBaseT

Simpler, more cost-effective installation and connectivity with digital transmission of HD video, audio and networking/control over a single Ethernet cable.

Create super-size displays with Edge Blending

Seamlessly join accurately colour-matched images from multiple projectors, simplifying creation of stunning super-size displays for corporate and education.

Project onto non-flat surfaces with Image Warping

Easily correct image geometry for natural-looking projections, even on convex or concave surfaces. Corner and edge correction can be easily adjusted with the supplied remote and on-screen menu.

Quiet operation

Low fan noise ensures discreet, unobtrusive operation in quiet environments from museums and galleries to lecture theatres.

Slim, attractive new blend-in design

The slim, stylish case design features a flat top surface that blends in discreetly when the projector is ceiling mounted. The clean appearance is accentuated by a new terminal cover that reduces cable clutter.

Choice of Picture Modes

New Picture Mode ensures great-looking presentations in a wide range of operating conditions. Select Standard, Dynamic, Brightness Priority or Multi Screen mode for optimised image quality, with any source and in every room.

Simple set-up with friendly new Installation menu

Easily adjust projector settings with remote commander, including image warping and edge blending.

Project Side by Side

Project images from two inputs at the same time: ideal for applications such as video conferencing and medical training where two images need to be seen simultaneously.

Specifications

Display system

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

Display device

| | |
|--------------------------------|--|
| Size of effective display area | 0.76" (19 mm) x 3 BrightEra LCD Panel, Aspect ratio: 16:10 |
|--------------------------------|--|

| | |
|------------------|------------------------------------|
| Number of pixels | 6,912,000 (1920 x 1200 x 3) pixels |
|------------------|------------------------------------|

Projection lens *1

| | |
|-------|---------|
| Focus | Powered |
|-------|---------|

| | |
|-----------------------|-------------------------|
| Zoom - Powered/Manual | Powered (Approx. 1.6 x) |
|-----------------------|-------------------------|

| | |
|-------------|------------------|
| Throw ratio | 1.39:1 to 2.23:1 |
|-------------|------------------|

| | |
|-----------------------------|---------|
| Lens shift - Powered/Manual | Powered |
|-----------------------------|---------|

| | |
|-----------------------------|-------------|
| Lens shift - Range Vertical | -5.0%, +60% |
|-----------------------------|-------------|

Lens shift - Range +/- 32%
Horizontal

Light source

Type Ultra high pressure mercury lamp

Wattage 280 W type

Recommended lamp replacement time *2

Lamp mode: High 3000 H

Lamp mode: Low 4000 H

Filter cleaning / replacement cycle (Max.)*2

Filter cleaning /
replacement cycle 20000 H (service maintenance)
(Max.)

Screen size

Screen size 40" to 600" (1.02 m to 15.24 m)
(measured diagonally)

Light output

5000 lm

Lamp mode: High

Lamp mode: Standard 3200 lm

Color light output

Lamp mode: High 5000 lm

Lamp mode: Standard 3200 lm

Contrast ratio (full white / full black) *3

Contrast ratio (full white / full black) 2000:1

Displayable scanning frequency

Horizontal 15 kHz to 92 kHz

Vertical 48 Hz to 92 Hz

Display resolution

Computer signal input Maximum display resolution: 1920 x 1200 dots *4

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, 1080/24p

Color system

Color system NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60

Keystone correction (Max.)

Horizontal +/- 30 degrees

Vertical +/- 30 degrees

OSD language

OSD language 24-language (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Farsi, Finnish, Indonesian, Hungarian, Greek)

INPUT OUTPUT (Computer/Video/Control)

| | |
|----------|---|
| INPUT A | <p>RGB / Y PB PR input connector: Mini D-sub 15-pin (female)</p> <p>Audio input connector: Stereo mini jack</p> |
| INPUT B | <p>DVI input connector: DVI-D 24-pin (single link), HDCP support</p> <p>Audio input connector: Shared with INPUT A</p> |
| INPUT C | <p>HDMI input connector: HDMI 19-pin, HDCP support</p> <p>Audio input connector: HDMI audio support</p> |
| INPUT D | <p>HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)</p> |
| VIDEO IN | <p>Video input connector: BNC</p> <p>Audio input connector: Shared with INPUT A</p> |
| OUTPUT A | <p>Monitor output for INPUT A connector: Mini D-sub 15-pin (female)</p> <p>Audio output connector: Stereo mini jack</p> |
| OUTPUT B | <p>Monitor output for INPUT B connector: DVD-D 24-pin (single</p> |

link), HDCP not supported
 Audio output Monitor out
 connector: Stereo mini jack

| | |
|--------|-----------------------------|
| REMOTE | D-sub 9-pin (male) / RS232C |
|--------|-----------------------------|

| | |
|-----|---------------------------|
| LAN | RJ45, 10BASE-T/100BASE-TX |
|-----|---------------------------|

| | |
|----------------|--------------------------------------|
| IR (Control S) | Stereo mini jack, Plug in power DC5V |
|----------------|--------------------------------------|

Acoustic Noise

Lamp mode: Standard 28 dB

Operating temperature / Operating humidity

| | |
|---|--|
| Operating temperature / Operating humidity | 0°C to 40°C (32°F to 104°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

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|--------------------|--|
| Power requirements | AC 100 V to 240 V, 4.3 A to 1.8 A, 50 Hz / 60 Hz |
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Power consumption

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|-------------------|------------------------|
| AC 100 V to 120 V | Lamp mode: High: 429 W |
|-------------------|------------------------|

| | |
|-------------------|------------------------|
| AC 220 V to 240 V | Lamp mode: High: 416 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") |
|-------------------|---|

Power Consumption (Networked Standby Mode)

| | |
|-------------------|--|
| AC 100 V to 120 V | 15.0 W (LAN) |
| | 15.0 W (HDBaseT) |
| | 15.0 W (All Terminals and Networks Connected) (when "Standby Mode" is set to "Standard") |

| | |
|-------------------|---|
| AC 220 V to 240 V | 13.3 W (LAN) |
| | 13.3 W (HDBaseT) |
| | 13.3 W (All Terminals and Networks Connected) (when |

"Standby Mode" is set to
"Standard")

Standby Mode / Networked Standby Mode Activated

| | |
|---|--------------------|
| Standby Mode / Networked Standby Mode Activated | Approx. 10 Minutes |
|---|--------------------|

Heat dissipation

| | |
|-------------------|------------|
| AC 100 V to 120 V | 1464 BTU/h |
|-------------------|------------|

| | |
|-------------------|------------|
| AC 220 V to 240 V | 1419 BTU/h |
|-------------------|------------|

Dimensions (W x H x D)

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|------------------------|-----------------------------------|
| Dimensions (W x H x D) | 460 x 169 x 515 mm |
| (without protrusions) | 18 1/8 x 6 21/32 x 20 9/32 inches |

Mass

| | |
|------|-----------------------|
| Mass | Approx. 13 kg (28 lb) |
|------|-----------------------|

Supplied accessories

| | |
|------------------|---------|
| Remote commander | RM-PJ27 |
|------------------|---------|

Optional accessories

Projection Lens VPLL3007 / Z3009/ Z3024 / Z3032

Notes

*1 With supplied standard lens.

*2 This figure is expected maintenance time, not guaranteed time. The actual value depends on the environment and how the projector is used.

*3 The value is average.

*4 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

