

## VPL-FH65

6,000 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-FH65 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 6000 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-FH65 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-FH65/W is a white model.

VPL-FH65/B is a 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 6000 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

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## Light source

Type                                Ultra high pressure mercury lamp

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Wattage                            370 W type

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## Recommended lamp replacement time \*2

Lamp mode: High                3000 H

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Lamp mode: Low                 4000 H

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## Filter cleaning / replacement cycle (Max.)\*2

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

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## Screen size

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

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## Light output

6000 lm

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Lamp mode: High

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Lamp mode: Standard 4400 lm

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## Color light output

Lamp mode: High 6000 lm

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Lamp mode: Standard 4400 lm

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## Contrast ratio (full white / full black) \*3

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

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## Displayable scanning frequency

Horizontal 15 kHz to 92 kHz

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Vertical 48 Hz to 92 Hz

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## Display resolution

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

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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

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## Color system

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

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## Keystone correction (Max.)

Horizontal      +/- 30 degrees

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Vertical      +/- 30 degrees

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## 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)

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## INPUT OUTPUT (Computer/Video/Control)

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|          |   |
|----------|---|
| INPUT A  | <p>RGB / Y PB PR input connector:<br/>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

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

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

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

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## Acoustic Noise

Lamp mode: Standard 28 dB

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## Operating temperature / Operating humidity

|  |   |
|--|---|
| Operating<br>temperature /<br>Operating humidity | 0°C to 40°C (32°F to 104°F) / 20% to<br>80% (no condensation) |
|--|---|

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## Storage temperature / Storage humidity

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

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## Power requirements

|                    |   |
|--------------------|---|
| Power requirements | AC 100 V to 240 V, 5.0 A to 2.1 A, 50<br>Hz / 60 Hz |
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## Power consumption

AC 100 V to 120 V      Lamp mode: High: 498 W

AC 220 V to 240 V      Lamp mode: High: 483 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")

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## Standby Mode / Networked Standby Mode Activated

Standby Mode /  
Networked Standby      Approx. 10 Minutes  
Mode Activated

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## Heat dissipation

AC 100 V to 120 V      1699 BTU/h

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AC 220 V to 240 V      1648 BTU/h

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## Dimensions (W x H x D)

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

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## Mass

Mass      Approx. 13 kg (28 lb)

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## Supplied accessories

Remote commander      RM-PJ27

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## Optional accessories

Projection Lens                      VPLL3007 / Z3009/ Z3024 / Z3032

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## Notes

\*1    With supplied standard lens.

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

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\*3    The value is average.

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\*4    Available for VESA Reduced Blanking signal.

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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](http://www.sony.com/mercury) for additional information.

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## Gallery

