SONY

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 technologes 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 simpifies 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

SONY

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 Horizontal	+/- 32%

Light source

Type	Ultra high pressure mercury lamp
Wattage	370 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 (Max.)	20000 H (service maintenance)

Screen size

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

Light output

	6000 lm

Lamp mode: High	
Lamp mode: Standard	4400 lm

Color light output

Lamp mode: High	6000 lm
Lamp mode: Standard	4400 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	RGB / Y PB PR input connector: Mini D-sub 15-pin (female) Audio input connector: Stereo mini jack
INPUT B	DVI input connector: DVI-D 24-pin (single link), HDCP support Audio input connector: Shared with INPUT A
INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support
INPUT D	HDBaseT interface connector: RJ45, 4 play (Video, Audio, LAN, Control)
VIDEO IN	Video input connector: BNC Audio input connector: Shared with INPUT A
OUTPUT A	Monitor output for INPUT A connector: Mini D-sub 15-pin (female) Audio output connector: Stereo mini jack
OUTPUT B	Monitor output for INPUT B connector: DVD-D 24-pin (single

	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

Power requirements	AC 100 V to 240 V, 5.0 A to 2.1 A, 50 Hz / 60 Hz

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")

Standby Mode / Networked Standby Mode Activated

Standby Mode / Networked Standby Mode Activated	Approx. 10 Minutes

Heat dissipation

AC 100 V to 120 V	1699 BTU/h
AC 220 V to 240 V	1648 BTU/h

Dimensions (W x H x D)

Dimensions (W x H x D) (without protrusions)	460 x 169 x 515 mm 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