

## High Definition 3LCD business projector for larger venues



### Exceptional image clarity and whisper-quiet performance

With 6,000 lumens the new VPL-FH300L High Definition business projector from Sony delivers outstanding images with ultra quiet performance, making it ideal for smaller auditoriums, meeting rooms, museum exhibits, events, ballrooms and cinema foyers where the audience is in the same room as the unit.

The VPL-FH300L displays Full HD images with its 2K (2048 x 1080) resolution panel and will deliver colour accuracy and widescreen capabilities to fill a multiplex screen. It comes with a choice of lenses to suit your specific application.

### Key Features

**Full HD 1080**  
**1080 Full HD**  
The VPL-FH300L has 6,000 ANSI lumens and with a native 2K (2048 x 1080) resolution panel is ideal to display Full HD images

**Low Fan Noise**  
The unique round chassis design includes large-diameter fans and high-flow cooling air ductwork that keeps the projector cool while minimising fan noise.

**Dual Lamp Intelligence**  
Dual 275W lamps eliminate the risk of a blackout in the event of lamp failure and the projector automatically chooses the lamp with fewest lamp hours to enhance longevity.

**Low Power Consumption**  
Lower watt bulbs with longer life (up to 3,000 standard hours) ensure lower running costs.

**3LCD Bright Era™ Technology**  
Unique Sony technology allows increased aperture ratio, ensuring exceptional image clarity, high contrast and brightness.

**5 Lens Options**  
Choose from short focus fixed lens, short focus zoom lens, standard focus zoom, middle focus zoom or long focus zoom to suit your location.

**Easy Lens Replacement**  
An accessible locking bayonet mount mechanism makes lens changes fast and simple.

**Lamp Memory**  
The memory for the lamp timer is on the lamp itself, reducing the need to manually reset lamp timers and ensuring that lamps which are moved retain accurate time readings.

**Long Life Operation**  
Low wattage lamps provide up to 2,000 hours (high usage) or 3,000 hours (standard usage).

**Network Capability**  
Built-in AirShot™ technology enables any PC on your IP network to send WXGA images to the projector and means you can monitor and manage the unit remotely.

**Hidden Cable Mounting**  
Cable management is simpler, with routing channels carrying cabling to the mounting point and built-in compatibility with cable-hiding mounting systems.

**Versatile Mounting Options**  
Opposing design configuration enables the projector to be fitted through 360 degrees, bringing maximum flexibility in any installation requirement.

**Efficient Air Filter**  
An extra large and efficient air filter extends filter replacement up to 5,000 hours and simple design means filters can be replaced without any tools.

**Easy Maintenance**  
The projector's control panels are located on the sides for easy installation and maintenance.

# VPL-FH300L Specifications

Optical	
Projection system	3 LCD panels, 1 lens projection system
LCD Panel	1.2 inch TFT Sony LCD panel, 6,635,520 (2048 x 1080 x 3) pixels
Projection Lens *1	Approx. 1.26 times zoom lens (powered), f=52.14 to 68.57 mm, F1.7 to 2.1
Throwing Distance *1 *2 100" Screen	4.3 to 5.6 m
Lamp	275W Ultra high pressure lamp x 2
Recommended Lamp Replacement Time *3	2000 H (Lamp mode: High) / 3000 H (Lamp mode: Standard)
Screen coverage	40 to 600 inches (measured diagonally) (except VPLL-Z4045)
	60 to 600 inches (measured diagonally) (only VPLL-Z4045)
Light Output (lumens) *1	6000 (Lamp mode: High) / 4800 (Lamp mode: Standard)
Contrast (all white & black) *4	Max. 1300:1

Signals	
Color System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60 system
Resolution	Video: 750 TV lines, RGB: 2048 x 1080 pixels
Acceptable computer signal	fH: 19 to 92kHz, fV: 24 to 92Hz Maximum input signal resolution (Analog): Up to UXGA (fV 60Hz) Maximum input signal resolution (Digital): Up to 2K x 1K (fV 24Hz)*5
Acceptable video signal	Composite Video, Y/C Video, 15kHz RGB, Component 50/60Hz, Progressive Component 50/60Hz, DTV (480/60i, 575/50i, 480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, 1080/24p, 1080/30p)

General	
Dimensions (WxHxD)	699 x 298 x 785 mm (27 5/8 x 11 3/4 x 31 inches) (including the projection parts)
Mass	Approx. 30.5kg / 67lb 4oz
Power requirements	AC 100 to 240V, 8.2-3.4A, 50/60Hz (AC 100V, 8.2A, 50/60Hz (Japan only))
Power consumption	Max: 820W, Standby: 30W (Standby mode: Standard) / 0.5W (Low)
Heat Dissipation	2798 BTU
Keystone Correction Range (Optical Axis Angle: 0 degree)	Max +/- 5 degrees vertically (Max +/- 15 degrees vertically when using the video signal only)
Fan Noise	(2 lamp) 44dB (Lamp mode: High) / 36dB (Lamp mode: Standard) (1 lamp) 40dB (Lamp mode: High) / 33dB (Lamp mode: Standard)
Operating Temperature	0 to 35 C degrees (32 to 95 F degrees)
Operating Humidity	35 to 85% (no condensation)
Storage temperature	-20 to 60 C degrees (-4 to 140 F degrees)
Storage humidity	10 to 90%

Interfaces		
Video In	Composite Video S Video	BNC Y/C mini DIN 4-pin
Video Out	Composite Video S Video	BNC (Loop-through output) Y/C mini DIN 4-pin (Loop-through output)
Input A	RGB	Analog RGB: HD D-sub 15-pin (female)
Input B	RGB	Analog RGB: HD D-sub 15-pin (female)
Input C	RGB/Component	Analog RGB/Component: 5BNC
Input D	RGB/Component	Digital RGB/Y CB (PB) CR (PR): HDMI (HDCP)
Input E		Open for Optional board
Input F	Network	RJ-45: 10BASE-T/100BASE-TX
Output *6	RGB	Analog RGB: HD D-sub 15-pin (female)
Remote	RS-232C	D-sub 9 pin (female)
	Control S IN	Control S in / plug in power: Stereo mini jack

Safety Regulations	
	UL60950-1, CSA C22.2 No.60950-1, FCC Class A, IC Class A, CE (LVD: EN60950-1(DEMKO), EN50371(DEMKO), EMC: EN55022 Class A + EN55024, EN61000-3-2 + EN61000-3-3), EN55022 Class A (Aus EMC)

Battery for remote commander	
Category	Battery Manganese
Type	Size AA (R6)
Weight of single battery (g)	47.4g
Number of batteries per package	2

Battery for the projector	
Category	Battery Lithium
Type	CR1220
Weight of single battery (g)	0.76g
Number of batteries per package	1

- \*1: In case of optional standard focus zoom lens VPLLZ4019 is attached.  
 \*2: The throwing distance is "design value" and the tolerance is not included. Therefore the values are different from the ones in the "Installation diagram".  
 \*3: The number is approximate. This value varies depending on the environment or how the projector is used.  
 \*4: This contrast value is almost maximum. Jigyoku cannot guarantee the value and disclose each model's average or minimum value.  
 \*5: When a 2K x 1K (2048 x 1080) signal is input, information of a vertical one line at both ends is not displayed. The signal being displayed is not native. 2K x 1K equivalent.  
 There are limitations for following items.  
 - Horizontal: H sync, Back Porch, Active Video, Front Porch, Polarity  
 - Vertical: V sync, Back Porch, Active Video, Front Porch, Polarity  
 \*6: RGB: from INPUT A/B/C only  
 \*7: CD-ROM contents  
 - Operating Instructions (JP/GB/FR/DE/IT/ES/CS)  
 - Operating Instructions (Network) (JP/GB/FR/DE/IT/ES/CS)  
 - Installation Manual for Dealers (JP/GB/FR/DE/IT/ES/CS)  
 - Application Software for Air Shot Version 2 (2.xx) (JP/GB)  
 - Help for Projector Station for Air Shot Version 2 (JP/GB)  
 - Readme for CD-ROM (for Windows) / Mac (JP/GB/FR/DE/IT/ES/CS)  
 - Readme for Projector Station for Air Shot Version 2 (JP/GB)  
 - Instructions Air Shot v2 Light (JP/GB/FR/DE/IT/ES/CS)  
 - Software Air Shot v2 Light (JP/GB)  
 \*8: Supplied with air filters (2)

## Supplied Accessories

- Remote Commander (1)
- Size AA (R6) batteries (2) for Remote Commander
- Lens hole cover (1)
- Security Label (1)
- CD-ROM (Operating Instructions, Application Software) (1) \*7
- Quick Reference Manual (1)
- Safety Regulations (1)
- Dust cover (1)
- AC connector cover (1)
- HDMI connector cover (1)
- (AC Power Cord (1) @local)
- (Warranty Card (1) @local)

## Optional Accessories

- Projector Lamp (for replacement) \*8 LMP-F271
- Short Focus Fixed Lens VPLL-4008 (0.8:1)
- Short Focus Zoom Lens VPLL-Z4015 (1.5-1.9:1)
- Standard Focus Zoom Lens VPLL-Z4019 (1.9-2.5:1)
- Middle Focus Zoom Lens VPLL-Z4025 (2.5-4.5:1)
- Long Focus Zoom Lens VPLL-Z4045 (4.5-8.0:1)
- Projector Suspension Support PSS-630
- Projector Suspension Support Joint Pole PSS-630P
- HD-SDI/SDI Input Adaptor BKM-FW16

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