

SONY®

LCD
PROJECTOR

VPL-CX100 / VPL-CX120 / VPL-CX150
VPL-CX125 / VPL-CX155
VPL-CW125

WHEN *Style*
MEETS INNOVATION



like.no.other™

 **3LCD**



Like no other Sophisticated *design*

Being uniquely designed and packed with features have always been the calling card of Sony's Business Projectors. With the new VPL-C-series, it's no exception. Adopting what Sony calls the "One Sheet Wrap" design concept, Sony aims to have the projector blend into any usage environment with continuous flow of lines from environment to projector.

The flat top surface eliminates all frills, where often used switches are laid out in an iconic and easy-to-operate layout.

However you require the projector to be placed, ceiling mounted or on the table, you cannot go wrong with Sony's new VPL-C series, a standard for projector design sophistication.





Designed to *perform*

Experience "Wide" with Sony's first WXGA Projector – VPL-CW125

With the advent of WXGA resolution notebook, as well as increasing availability of wide format sources, Sony is proud to introduce the VPL-CW125, the first ever WXGA format projector.

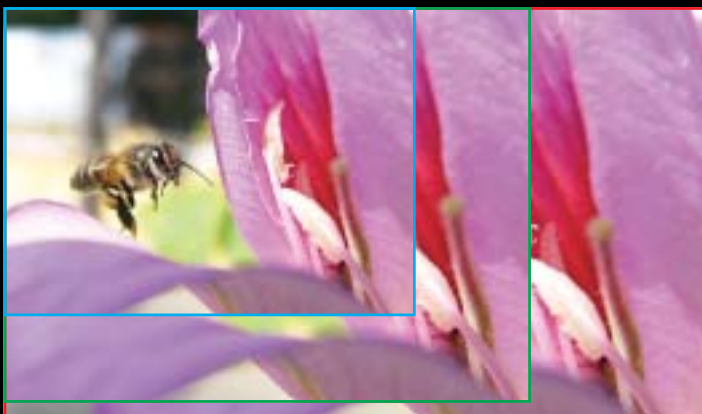
With Sony's original 0.74" WXGA panel, coupled with a highly efficient 200W UHP lamp, VPL-CW125 is capable of projecting crisp, clear images of up to 3000 ANSI lumens at 1366 x 800 native resolution.

Widen your viewing experience with the VPL-CW125. Be able to see more and do even more.

SVGA
800 X 600

XGA
1024 X 768

WXGA
1366 X 800



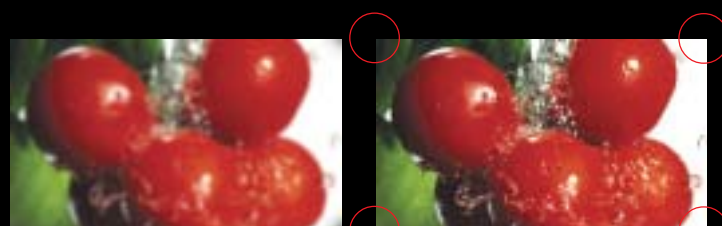
High Brightness and Contrast Ratio

Sony's original 0.79" panel for XGA (1024 x 768) models and 0.74" panel for WXGA (1366 x 800) models yet again propel Sony's Business Projectors to the forefront of projections solutions for any application.

Carefully crafted LCD panels, combine with high efficiency 200W UHP lamp and original optical engine, to achieve up to 3500 ANSI lumens high brightness. With the addition of an all new contrast compensator, higher contrast ratio is achieved due to minimised light leakage.

High Resolution and Superb Picture Quality

The new VPL-C-series adopt a newly developed large diameter all-glass Advanced Crisp Focus (ACF) lens which produces high resolution, sharp, crisp images even at the corners of the screen.



Sharper images with newly developed ACF*.
* Simulated images

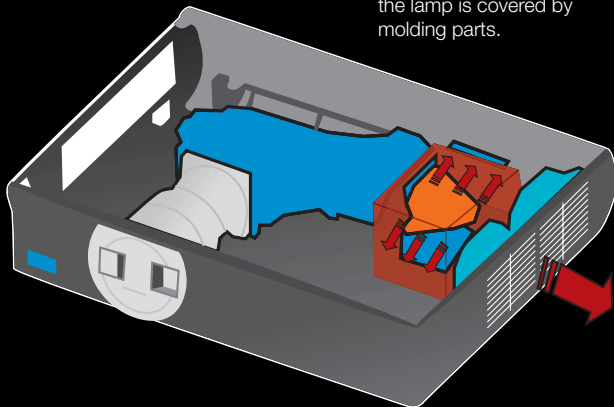
Sony's *technology*

Sony's LCD Projector – New Cooling System

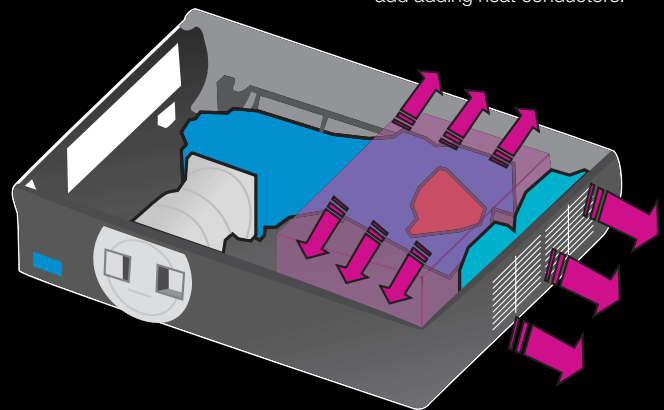
Convention projector cooling systems are not efficient as the lamp is often covered by molding parts which significantly increases the operating temperature inside the chassis.

At Sony, as a result of the extensive R&D efforts and close co-operation with various business partners, we have been able to come up with a new cooling system which promises to dissipate heat from within the projector chassis much more efficiently.

Cooling is not efficient as the lamp is covered by molding parts.



Heat is spread with the removal of optical engine molding parts and add adding heat conductors.



Newly developed cooling fan designed exclusively for Sony conducts heat away from within the projector more efficiently.

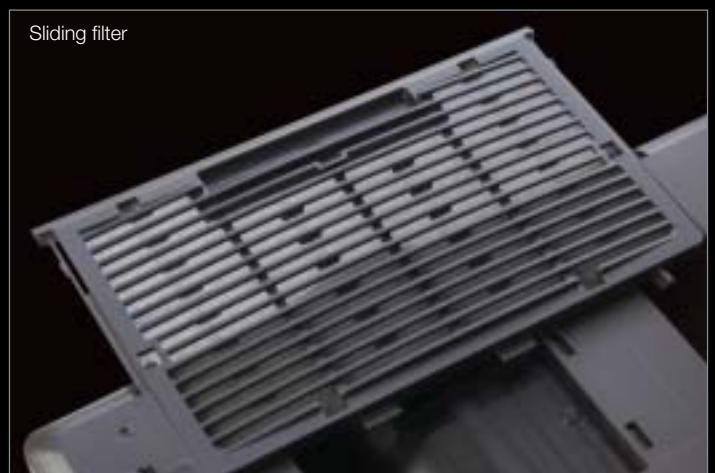
Redesigned Air Intake

Cooling air is being passed through one air intake with a filter to trap dust particles. This ensures that only clean air is being circulated inside the chassis, thereby minimising any damage that might have been caused by impurities. As a result, reliability of the projector is improved.

Moreover, with a larger air filter, maintenance time of the filter is increased. This allows customers to only maintain the filter together when replacing the lamp after 2000 – 3000hrs*.

Note: Lamp life depends on environment and usage conditions.

Sliding filter



Key *features* (Applicable for VPL-CX125/CX155/CW125)

Easy Network Connections

The projectors can be easily connected on a LAN. Images from any PC, connected via LAN cable or wirelessly on the same network, can be projected by the projectors.

* Supplied application software needs to be installed.

High Speed Image Transfer Over IP Network

Using efficient compression and transmission techniques, the projectors enable fast and reliable receiving and projection of data (even animated Microsoft PowerPoint presentations) via IP network from any connected PC.

Multiple Projectors On The Same Network

Up to five projectors can be connected and each can project the same image from a single PC on the same network. This is ideal in a large venue or multiple room projection applications where the same images have to be projected from various locations.

Ease Of Switching Presenters

Switching between presenters is as easy as a mouse click as no passing of cables is required. Wireless connection will also enable the presenter to be positioned further away from the projector.

Borderless Presentation Solution

Applications like distance learning or video-conferencing is possible as images can be projected all over the world with simple configuration of the projectors. Transmission of data from PC to a projector in another room with a different network is also possible. This is ideal for presentation solutions in a large enterprise building or tertiary education campus.

Side Shot™ Horizontal Keystone Adjustment

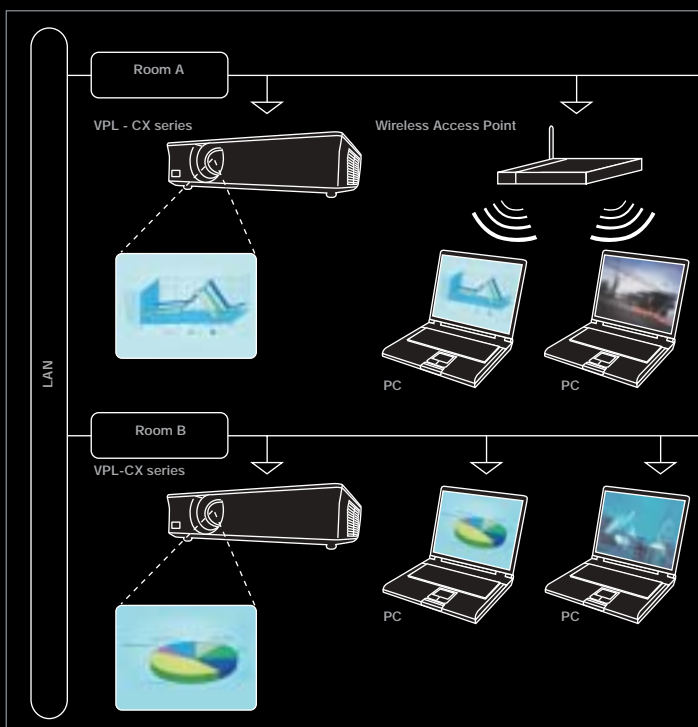
Side Shot™ gives user the convenience of placing the projectors off-axis from the centre of the screen if necessary, due to lack of space.



ID function

With the new ID function, up to three projectors can be controlled independently with a single Remote Commander. This is especially useful in a multi-projector system in the same room.

Network Presentation System Diagram



System Requirements to Run Supplied Application Software

Hardware	CPU: Intel®Pentium® III 600-MHz processor or faster Memory: 64 MB or more (128 MB or more is recommended) (128 MB or more is required when using Microsoft® Windows® XP) Hard disk: 10 MB or more of free space System Requirements to Run Supplied Application Software Other hardware requirements: Display (XGA recommended), Network Capability, CD-ROM Drive
Operating System	Microsoft® Windows® 98 SE / Windows ME / Windows 2000 / Windows XP Home Edition, Windows XP Professional Edition
Browser	Internet Explorer 5.0 or higher

Sony cannot guarantee that the application software will run properly even though all of the above system requirements are met.

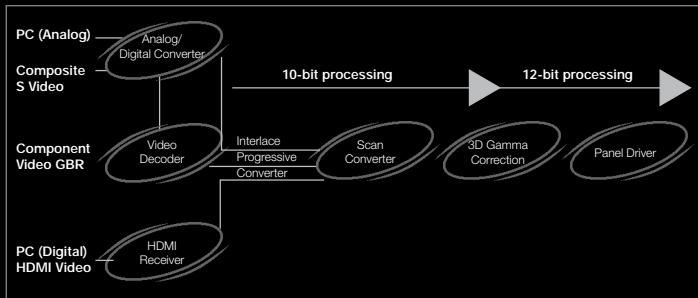
Notice Regarding Network Presentations

- When an image is sent from a computer to the VPL-CX-series projector, the image is processed using 1024 x 768 pixels.
- Animation effects and the slide show function in Microsoft PowerPoint presentations can be used; however, transmission delays may occur if a large number of effects are performed at once or if several slides are turned at once.
- Network transmission is not suitable for video.
- Network transmission should not be used with sound.
- Applications that use DirectX® application programming interface may not be displayed properly.
- When using Windows XP or Windows 2000 Operating Systems, the user must be logged into an account with computer administrator access.
- Application software is provided in English and Japanese.
- Network presentations may not be possible depending on network environment and available bandwidth.

Key *features* (For all models)

12-bit 3D Gamma Correction

The new VPL-C series incorporate a 12-bit 3D Gamma Correction circuitry to perform highly accurate gamma correction which produces detailed gradation and better over all picture quality.



Vibrant colour with Sony's 12-bit 3D Gamma Correction

Multiple Inputs for Flexible Connection

The projectors accept a wide variety of video input signals ranging from Standard Definition to High Definition. Supported interfaces include – composite, S-Video (Y/C), and analog RGB/component via the HD D-sub 15 pin plug. They also accept computer signals from VGA up to SXGA+ (1400 X 1050).



Connection panel for VPL-CX125/CX155/CW125

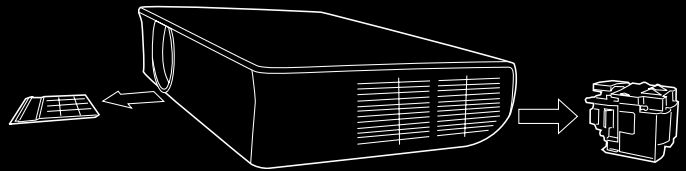
Monitor Output

This allows for engaging and professional presentation as presentation materials can be displayed on a connected monitor in the presenter's field of vision, allowing for eye contact with the audience.

Easy Maintenance

The VPL-C series allows for easy maintenance for the projector without the need to uninstall the projectors. Lamp replacement is done by removing the rear panel, and the filter slides out from the front.

Due to improvements to the filter, there is no longer to maintain the filter separately. Hence, a reminder message will appear on screen when it is time to replace the lamp, as well as to clean the filter after 2000-3000 hours*.



* Lamp life depends on environment and usage conditions.

Vertical Keystone Correction

The new VPL-C-series can correct vertical keystone up to +/- 25 degrees.

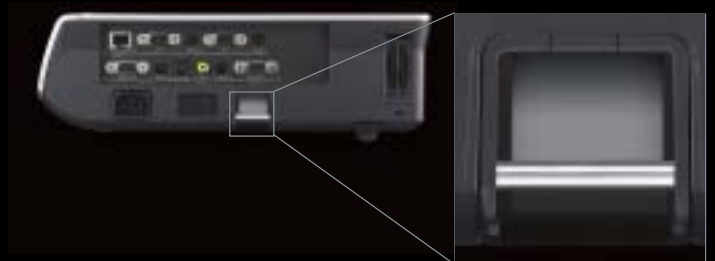
Temper Proof with Anti-theft Mechanism

Password-Authentication System: Prevents unauthorized usage by password lock.

Control Panel Key Lock: Prevents adjustments, accidental or unauthorised, from being made on the control panel at the top panel.

Security Lock: For added security with optional security cable.

Anti Theft Mechanism: For added security with optional anti-theft chain or wire.



Direct Power On/Off

Start-up time is significantly reduced as standby mode is skipped over when the projectors are switched on. With a cooling fan driver circuitry that works even after the power has been turned off, the projector can also be powered on/off from a circuit breaker switch on a switchboard.

Low Fan Noise

With highly efficient cooling systems, the projectors remains whisper quiet and cool, even after long periods of usage. Only 29dB of noise is emitted in standard mode.

Off and Go Function

The projectors have a cooling fan and built-in circuit that continues to run after the power is turned off. This allows users to power off from a circuit breaker switch on a switchboard, without having to wait for the projector to cool down.

* If the unit is on for 15 minutes or less, the cooling fan may stop due to insufficient charging.

** The built-in circuit may cause the cooling fan to continue operating for a short period of time after the power is turned off and on/standby indicator changes to red colour.

Auto Input Search

The projectors automatically check the input connections and display images from the detected input when switched on.

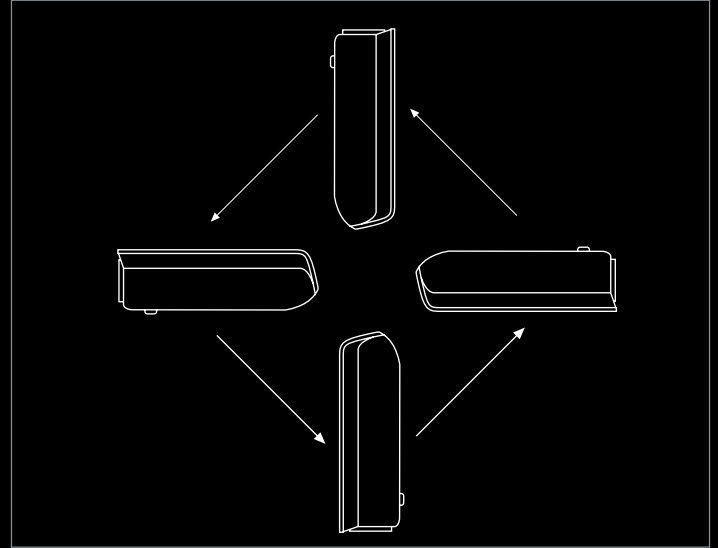
*Default setting for Auto Input Search is Off.

Picture Freeze Function

To minimise disruptions during a presentation, this function freezes a current on-screen image to allow the presenter to make amendments or prepare the next presentation.

Flexible Orientation

Installation and application possibilities are boundless as the projectors can be tilted 90 degrees upwards or downwards from the horizontal axis. This allows the projectors to be used even in rear projection systems.



Key *features* (For all models)

Smart APA (Auto Pixel Alignment)

The smart APA function automatically re-sizes and adjust the projected images for optimum picture performance.

Picture and Audio Muting Function

To have the audience's attention focused on the presenter, projected image and audio can be muted from the Remote Commander. A black screen will be displayed on screen.

Selectable Lamp Wattage

"High" or "Standard" lamp wattage can be selected.

High Altitude Mode

This mode is for use in location with high altitude (1500-2600m/4900-8500ft).

Digital Zoom

Zoom into any section of your presentation instantly with the 4-times Digital Zoom function. Now you can draw attention to important points quickly and effectively.

Multi-Language Support

The OSD menu supports up to 15 languages including English, Dutch, French, Italian, German, Spanish, Portuguese, Russian, Swedish, Norwegian, Japanese, Chinese (Simplified), Chinese (Traditional), Korean, and Thai.

Power Saving in Standby Mode

The projectors will go into standby mode if no input signal is detected after 10 min. Power consumption is reduced to less than 0.5W in standby mode.

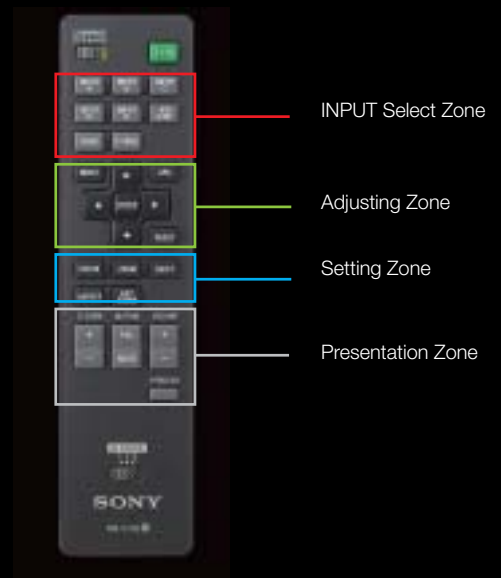
AMX

AMX's Dynamic Device Discovery Protocol is incorporated in VPL-C-series. This features allows for easy installation of AMX or other control equipment by a system integrator.

For more information, please go to <http://www.amx.com>

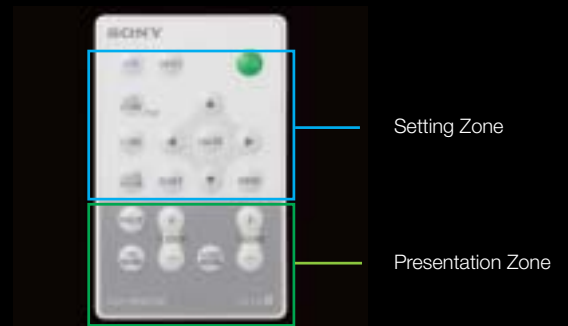
Remote Commander – RM-PJ18

VPL-CX125/CX155/CW125 uses the RM-PJ18 remote commander. The operation buttons are intuitively laid out according to functions, making remote control operation a breeze. RM-PJ18 does away with the need to toggle through inputs by providing direct input selection buttons, allowing more time to be spent on the presentation.



Remote Commander – RM-PJ5

VPI-CX100/CX120/CX150 is supplied with the ultra-slim card type remote commander for easy storage. The operation buttons are intuitively laid out according to functions, making remote control operation a breeze.





BRIGHT IMAGES

**NATURAL COLOUR
REPRODUCTION**

VIVID IMAGES



technology

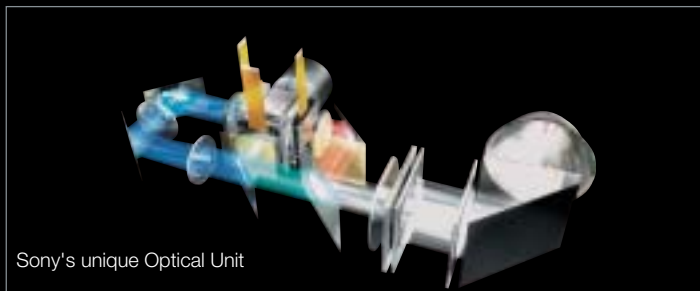
With a separate LCD Panel for each primary colour, you get bright, natural images that are easy on the eyes.

Bright Images High light efficiency and excellent colour reproduction

3LCD projectors separate white light from the projection lamp into red, green and blue primary colours. Each colour is shone through individual LCD panels (made of high-temperature polysilicon, known as HTPS) that give definition and movement to the projected image.

Light efficiency is excellent because the three primary colours are projected the whole time the projector is on. This ensures that users view an image that is both bright and sharp.

3LCD technology is designed to project bright, clear and vivid images. High light efficiency means the projector generates less heat and costs less to run.



Sony's unique Optical Unit

Natural Colour Reproduction True expression of colour and smooth gradation in dark areas

With 3LCD technology, the three primary colours of red, green and blue are carefully controlled and recombined to give accurate colour reproduction.

This is possible because 3LCD technology allows true expression of intermediate colours so that viewers can enjoy lifelike and accurate reproduction of dark and shadowed areas.

3LCD projector colour reproduction range is wide, and primary colours are faithfully reproduced. Superior gray scale handling in dark areas enables more natural gradation.

Vivid images



Each of the primary colours are reproduced using dedicated LCD panels, hence 3LCD projectors show continuous images that do not suffer from colour breakup.

Colour break-up is a phenomenon sometimes associated with single-chip colour sequential projection systems. It's known as the 'rainbow effect', where moving images blur and separate into its three component colours around the edges.

With 3LCD technology, you get superb reproduction of moving images.

Product *specifications*

		VPL-CX100	VPL-CX120	VPL-CX150	VPL-CX125	VPL-CX155	VPL-CW125
Optical							
Projection System		3 LCD panel, 1 lens projection system					
LCD Panel		0.79-inch XGA LCD panel, 786,432 (1024 x 768) x 3					0.74-inch WXGA LCD panel, 1,092,800 (1366x800) x 3
Projection Lens		1.2 times, F1.75 to 2.17, f23.5 to 28.2mm					
Throw Ratio		1.5-1.7:1					
Throwing Distance	80" screen	2.4-2.8m					2.6-3.0m
	100" screen	3.0-3.5m					3.2-3.7m
Lamp		200 W Ultra high pressure lamp					
Lamp Life		2000 H (Lamp mode: High) / 3000 H (Lamp mode: Standard)					
Screen Coverage		40" to 300" inches (measured diagonally)					
Light Output		2700 lm (Lamp mode: High)	3000 lm (Lamp mode: High)	3500 lm (Lamp mode: High)	3000 lm (Lamp mode: High)	3500 lm (Lamp mode: High)	3000 lm (Lamp mode: High)
		1900 lm (Lamp mode: Standard)	2200 lm (Lamp mode: Standard)	2500 lm (Lamp mode: Standard)	2200 lm (Lamp mode: Standard)	2500 lm (Lamp mode: Standard)	2200 lm (Lamp mode: Standard)
Signals							
Color System		NTSC3.58,PAL,SECAM,NTSC4.43,PAL-M,PAL-N,PAL60					
Resolution	Video	750TV lines					
	RGB	1024x768 pixels					1366x800 pixels
Acceptable Signal	Computer	fH : 19-92KHz, fV : 48-92Hz (up to SXGA +(60Hz))					
	Video	15kHz RGB/Component 50/60Hz, Progressive Component 50/60Hz, DTV(480/601,575/501,480,60P,575/50P, 720/60P,720/50P,1080/60I,1080/50I) Composite Video, Y/C Video					
General							
Dimension (WxHxD)		372x90x298mm (without the projection parts)					
Weight		Approx. 4.1kg / 9lb 1 oz					
Power Requirements		AC 100 to 240V, 2.9 – 1.2A, 50/60Hz (AC 100V, 2.9A, 50/60Hz (Japan only))					
Power Consumption	Max	285W					
	Stand by	7W / 0.5W					
Heat Dissipation		973 BTU					
Keystone	V	Max. +/-25 degrees vertically					
Collection Range	H	H. Keystone collection is not available			Max. +/-15 degrees horizontally		
	V						
Fan Noise		28dB (Lamp mode: Standard) 32dB (Lamp mode: Standard)					38dB(Lamp mode: High) 38dB(Lamp mode : High)
Speaker		Mono 1W (max.) x 1					
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 Input		S VIDEO: Y/C mini DIN 4pin, Composite: phono, Audio: Stereo mini jack					
Input A		Analog RGB / Component (HD D-sub 15 pin), Audio: Stereo mini jack					
Input B		Analog RGB (HD D-sub 15 pin), Audio: Stereo mini jack					
Input C		-			Network: RJ45		
Monitor Out		Analog RGB (HD D-sub 15pin)					
Audio Out (Variable)		Stereo mini jack					
Remote		RS232C: D-sub 9 pin					
Supplied Accessories							
		Remote Commander : RM-PJ5, Lithium Battery: CR20525(1)			Remote Commander: RM-PJ18, AA size battery (2)		
		HD D-sub 15-pin cable (2m)(1), Lens Cap (1) AC power cord (1), Security Label, CD-ROM (Operating Instructions, Application Software) (1) Quick Reference Manual, Safety Regulations					
Battery for Remote Commander							
Category		Battery Lithium			Battery Manganese		
Type		CR2025			Size AA (R6)		
Weight of Single Battery (g)		2.3g			47.4g		
Number of Batteries Per Package		1			2		

Optional Accessories	
 <p>LMP-C200</p>	 <p>RM-PJPK1</p>

Note: Specifications are subjected to change without prior notice.



Lead-free solder is used for soldering all parts including circuit component electrodes.
Halogenated flame retardants are not used in cabinets.
Polystyrene foam for the packaging cushions is not used in packaging.

SONY®