SONY®

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

WHEN *style* MEETS **INNOVATION**

SONY

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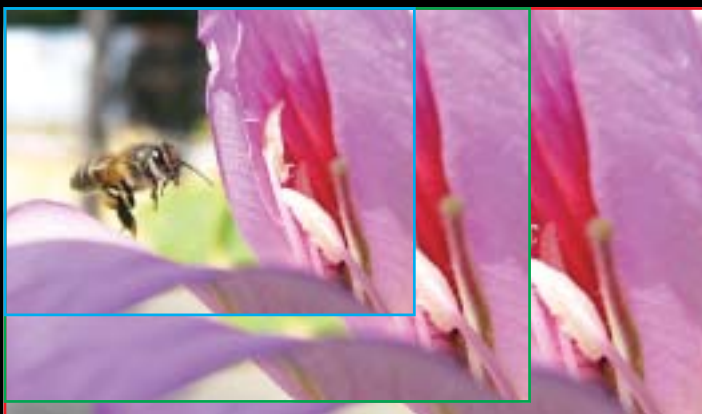
With Sony's original 0.74" WXGA panel, coupled with a highly efficient 200W UHP lamp, VPL-CW125 is capable of projecting crisp, clear images of up to 3000 ANSI lumens at 1366 x 800 native resolution.

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.

ACF lens

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.
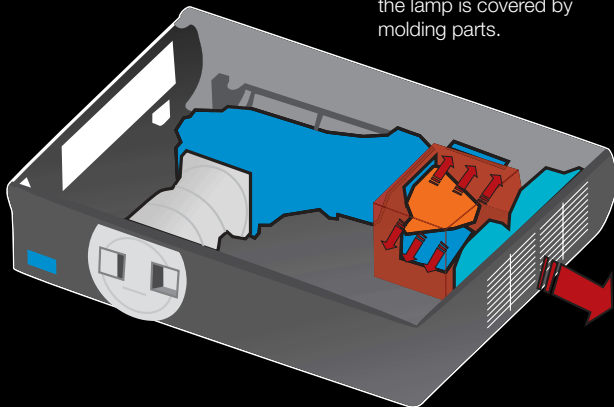
Heat is spread with the removal of optical engine molding parts and add adding heat conductors.
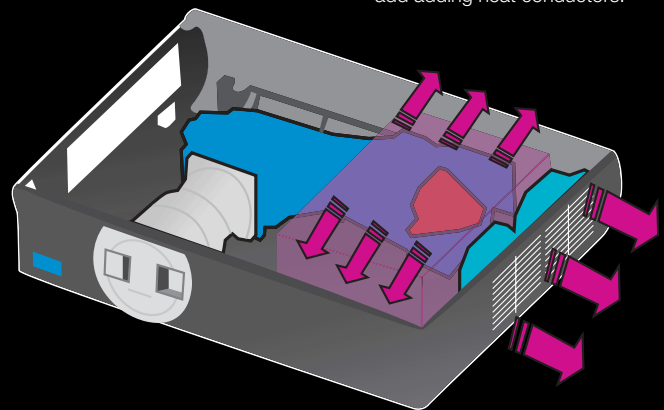
Newly developed cooling fan designed exclusively for Sony conducts heat away from within the projector more efficiently.

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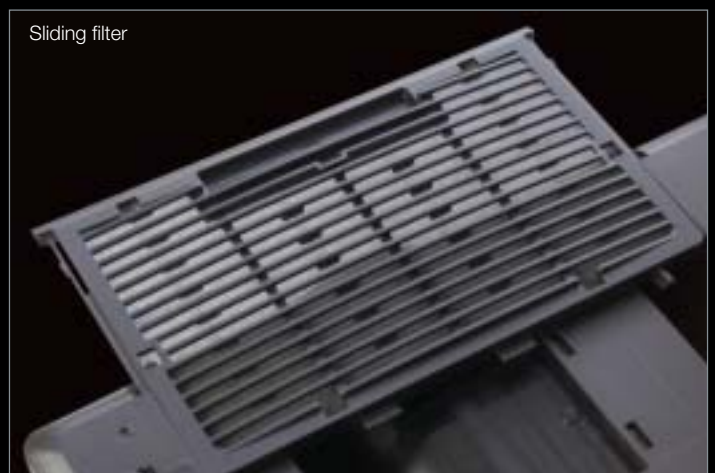
Key *features* (Applicable for VPL-CX125/CX155/CW125)

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.
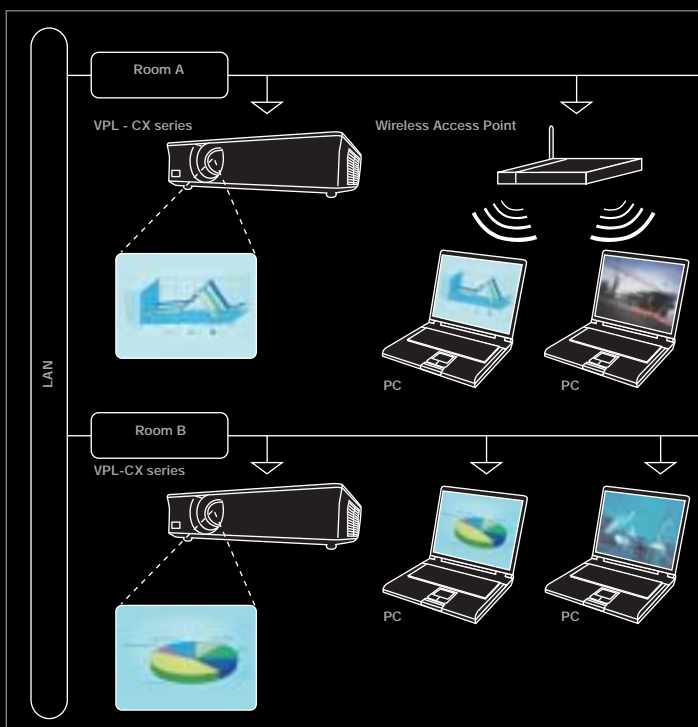
Side Shot™ Horizontal Keystone Adjustment

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.

Without Side Shot   With Side Shot

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

Room A

VPL - CX series   Wireless Access Point

LAN

PC   PC

Room B

VPL-CX series

PC   PC

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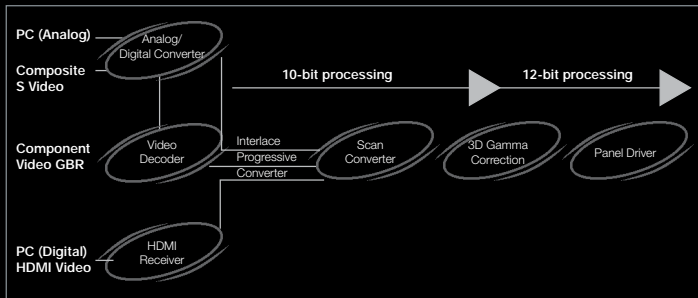
Vibrant colour with Sony's 12-bit 3D Gamma Correction

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 is replace the lamp, as well as to clean the filter after 2000-3000 hours*.
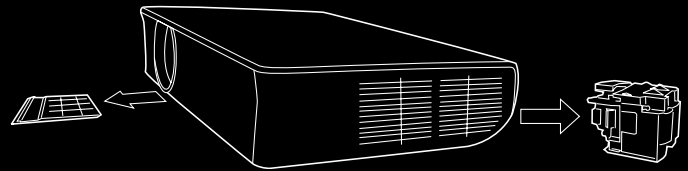
* Lamp life depends on environment and usage conditions.

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.
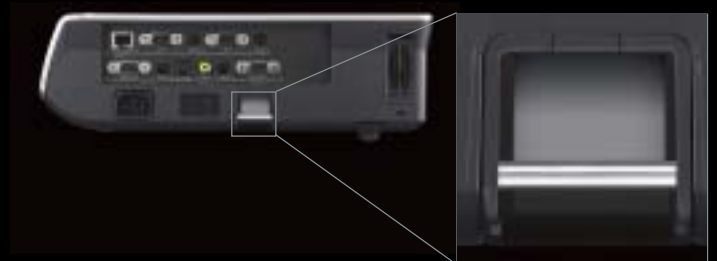
Direct Power On/Off

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.
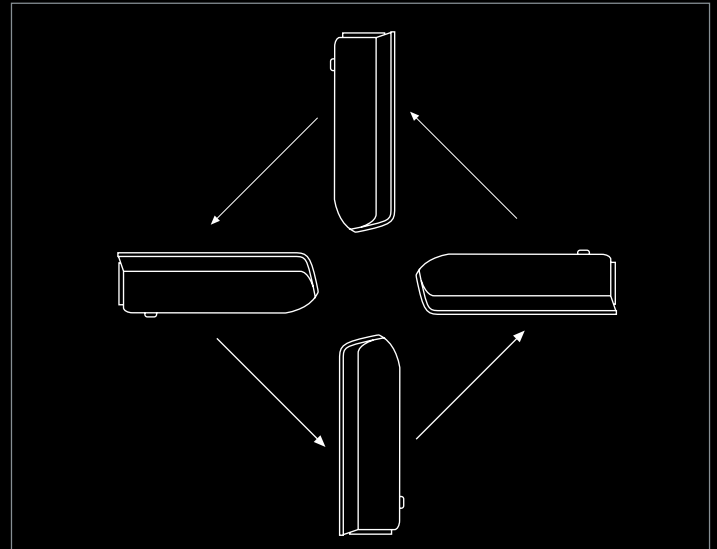
Key *features* (For all models)

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.

INPUT Select Zone

Adjusting Zone

Setting Zone

Presentation Zone
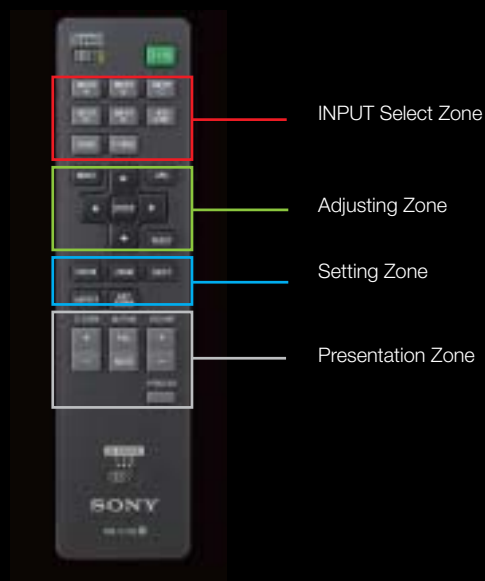
Remote Commander – RM-PJ5

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.

Setting Zone

Presentation Zone

BRIGHT IMAGES

NATURAL COLOUR REPRODUCTION

VIVID IMAGES
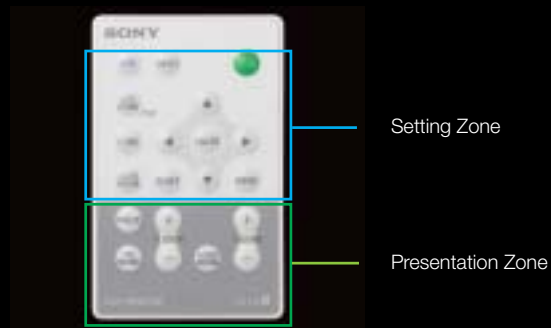
3LCD *technology*

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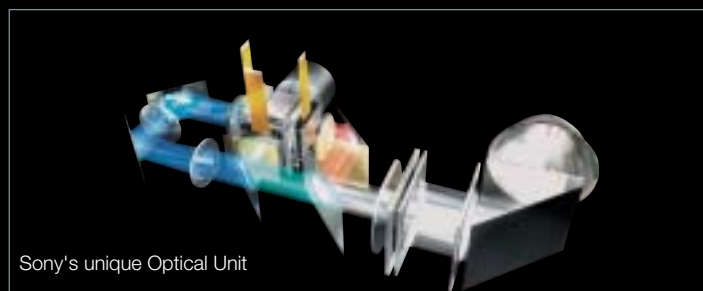
Natural Colour Reproduction
True expression of colour and smooth gradation in dark areas

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.

Installation *diagrams*
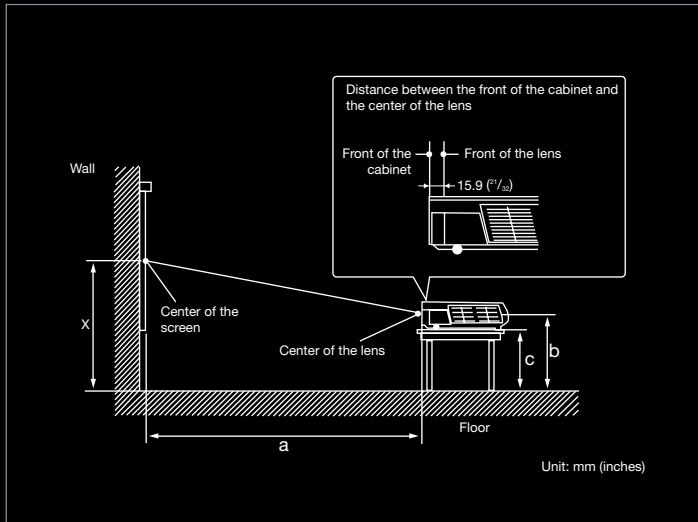
The alphabetical letters in the illustration indicate the distance below.
a: distance between the screen and the center of the lens
b: distance between the floor and the center of the lens
c: distance between the floor and the bottom of the adjusters of the projector
x: distance between the floor and the center of the screen (free)
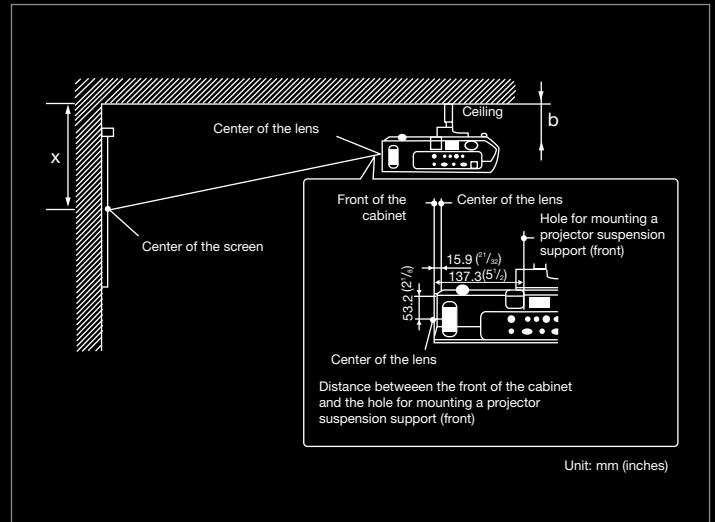
The alphabetical letters in the illustration indicate the distance below.
a: distance between the hole (front) for mounting a hole (front) for mounting a projector suspension support on bottom surfacec of this projector and the center of the screen
b: distance between the projector suspension support mounting surface on bottom of this projector and the ceiling
x: distance between the ceiling and the center of the screen

Floor Installation

| Screen size*			40	60	80	100	120	150	180	200	250	300
a	min	mm	1170	1770	2380	2990	3590	4500	5410	6020	7540	9050
		inches	46•1/8	69•3/4	93•3/4	117•3/4	141•3/8	177•1/4	213•1/8	237•1/16	297	356•3/8
	max	mm	1350	2050	2750	3450	4140	5190	6240	6940	8680	10430
		inches	53•1/4	80•3/4	108•3/8	135•7/8	163•1/8	204•3/8	245•3/4	273•3/8	341•7/8	410•3/4
b		mm	x-237	x-356	x-474	x-593	x-711	x-889	x-1067	x-1185	x-1482	x-1778
		inches	x-9•3/8	x-14•1/8	x-18•3/4	x-23•3/8	x-28	x-35	x-42•1/8	x-46•3/4	x-58•3/8	x-70•1/8
c		mm	x-298	x-417	x-535	x-654	x-772	x-950	x-1128	x-1247	x-1543	x-1839
		inches	x-11•3/4	x-16•1/2	x-21•1/8	x-25•3/4	x-30•1/2	x-37•1/2	x-44•1/2	x-49•1/8	x-60•7/8	x-72•1/2

Ceiling Mounted Installation

Screen size*			40	60	80	100	120	150	180	200	250	300
a	min	mm	1290	1900	2500	3110	3720	4630	5540	6140	7660	9180
		inches	50•3/4	74•7/8	98•1/2	122•1/2	146•1/2	182•3/8	218•1/4	241•7/8	301•5/8	361•1/2
	max	mm	1470	2170	2870	3560	4260	5310	6360	7050	8800	10540
		inches	57•7/8	85•1/2	113•1/8	140•1/4	167•3/4	209•1/8	250•1/2	277•5/8	346•1/2	415•1/8
x		mm	b+290	b+409	b+527	b+646	b+764	b+942	b+1120	b+1239	b+1535	b+1831
		inches	b+11•1/2	b+16•1/8	b+20•3/4	b+25•1/2	b+30•1/8	b+37•1/8	b+44•1/8	b+48•7/8	b+60•1/2	b+72•1/8
b							Free					

Preset Signals

No.	Preset Signal		fH (kHz)	fV (Hz)	Sync	Size
1	Video 60Hz	Video 60Hz	15.734	59.940	-	-
2	Video 50Hz	Video 50Hz	15.625	50.000	-	-
3	480/60i	DTV 480/60i	15.734	59.940	S on G/Y	-
4	575/50i	DTV 575/50i	15.623	50.000	S on G/Y	-
5	480/60p	480/60p (NTSC Progressive component)	31.470	60.000	S on G/Y	-
6	575/50p	575/50p (PAL Progressive component)	31.250	50.000	S on G/Y	-
7	1080/60i	1035/60i, 1080/60i	33.750	60.000	S on G/Y	-
8	1080/50i	1080/50i	28.130	50.000	S on G/Y	-
10	720/60p	720/60p	45.000	60.000	S on G/Y	-
11	720/50p	720/50p	37.500	50.000	S on G/Y	-
12	1080/60p	1080/60p	67.500	60.000	S on G/Y	-
13	1080/50p	1080/50p	56.260	50.000	S on G/Y	-
21	640 x 350	VGA Mode 1	31.469	70.086	H-pos, V-neg	800
22		VESA 85 (VGA350)	37.861	85.080	H-pos, V-neg	832
23	640 x 400	NEC PC98	24.823	56.416	H-neg, V-neg	848
24		VGA Mode 2	31.469	70.086	H-neg, V-pos	800
25		VESA 85 (VGA400)	37.861	85.080	H-neg, V-pos	832
26	640 x 480	VGA Mode 3	31.469	59.940	H-neg, V-neg	800
27		Mac 13	35.000	66.667	H-neg, V-neg	864
28		VESA 72	37.861	72.809	H-neg, V-neg	832
29		VESA 75 (IBM M3)	37.500	75.000	H-neg, V-neg	840
30		VESA 85	43.269	85.008	H-neg, V-neg	832
31	800 x 600	VESA 56	35.156	56.250	H-pos, V-pos	1024

No.	Preset Signal		fH (kHz)	fV (Hz)	Sync	Size
32		VESA 60	37.879	60.317	H-pos, V-pos	1056
33		VESA 72	48.077	72.188	H-pos, V-pos	1040
34		VESA 75 (IBM M5)	46.875	75.000	H-pos, V-pos	1056
35		VESA 85	53.674	85.061	H-pos, V-pos	1048
36	832 x 624	Mac 16	49.724	74.550	H-neg, V-neg	1152
37	1024 x 768	VESA 60	48.363	60.004	H-neg, V-neg	1344
38		VESA 70	56.476	70.069	H-neg, V-neg	1328
39		VESA 75	60.023	75.029	H-pos, V-pos	1312
40		VESA 85	68.677	84.997	H-pos, V-pos	1376
41	1152 x 864	VESA 70	63.995	70.019	H-pos, V-pos	1472
42		VESA 75	67.500	75.000	H-pos, V-pos	1600
43		VESA 85	77.487	85.057	H-pos, V-pos	1568
44	1152 x 900	SUN LO	61.795	65.960	H-pos, V-pos	1504
45	1280 x 960	VESA 60	60.000	60.000	H-pos, V-pos	1800
46		VESA 75	75.000	75.000	H-pos, V-pos	1728
47	1280 x 1024	VESA 60	63.974	60.013	H-pos, V-pos	1688
48		SXGA VESA 75	79.976	75.025	H-pos, V-pos	1688
49		SXGA VESA 85	91.146	85.024	H-pos, V-pos	1728
50	1400 x 1050	SXGA+	65.317	59.978	H-neg, V-pos	1864
51	1600 x 1200	1280 X 768/60	47.776	59.870	H-pos, V-pos	1664
55	1280 x 768	1280 x 720/60	44.772	59.855	H-neg, V-pos	1664
56	1280 x 720	1360 X 768/60	44.720	59.799	H-neg, V-pos	1776

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, 1,092800 (136x800) 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
Throwing Distance — 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					
Resolution — RGB	1024x768 pixels					1366x800 pixels
Acceptable Signal — Computer	fH : 19-92KHz, fV : 48-92Hz (up to SXGA +(60Hz))					
Acceptable Signal — 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					
Power Consumption — Stand by	7W / 0.5W					
Heat Dissipation	973 BTU					
Keystone Collection Range — V	Max. +/-25 degrees vertically					
Keystone Collection Range — H	H. Keystone collection is not available			Max. +/-15 degrees horizontally		
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

Note: Specifications are subjected to change without prior notice.

Projector Lamp (For Replacement)

LMP-F270

Presentation Tool Kit

RM-PJPK1

eco info

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.