

INSTALLATION LCD PROJECTORS

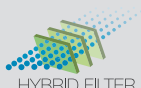
INNOVATE
The Future of Projection

- ▶ CP-X8150
- ▶ CP-WX8240
- ▶ CP-WU8440
- ▶ CP-X8160
- ▶ CP-WX8255
- ▶ CP-WU8450



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HITACHI
Inspire the Next

High performance, high flexibility and high reliability.

Hitachi's new high performance installation projectors have been carefully designed to deliver high quality images in large projection environments. Featuring a convenient motorised vertical and horizontal lens shift as well as a 360 degree vertical tilt angle^{*3}, these new models provide outstanding flexibility. Plus, with a variety of optional lenses covering a wide range of projection distances, these innovative projectors can adapt to any available space.

Flexible Installation

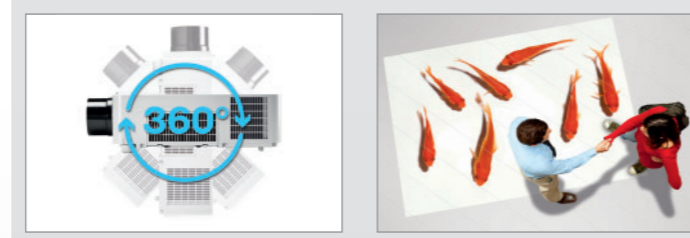
Superior Lens Shift and Motorised Lens^{*1}



The intuitive motorised vertical and horizontal lens shift mechanism provides fast and efficient installation. This allows users to easily adjust images up to $\pm 50\%$ horizontally and up to 70% vertically, depending on the models and lenses used. This functionality is ideal for theatres and conference suites which require continuous changes to projection set-ups.

360° Vertical Tilt^{*3}

These projectors can be installed vertically, giving you the ability to project onto floors and ceilings. This is especially useful for creative applications, such as shops floors, galleries and theatres.



Lens Memory^{*3}

Lens memory allows you store up to 3 custom settings for lens shift position. This eliminates the need to continually adjust your settings, providing an efficient and flexible projection solution.

Interchangeable lens options

In addition to the provided standard lens, four optional lenses allow users to select the most appropriate lens for a wide range of projection distances.



Projection distances for lenses when projecting onto a 100" (2.54m) screen.

Lens	CP-X8150	CP-WX8255	CP-X8160	CP-WU8440	CP-WU8450
FL-701	2.1m (82.6")	1.8m (70.8")	1.7m (66.9")	1.8m (70.8")	1.8m (70.8")
SL-702	3.1m-4.6m (120"-181")	2.6m-3.9m (102"-154")	2.5m-3.7m (97"-145")	2.5m-3.8m (100"-151")	2.5m-3.8m (100"-151")
ML-703	3.9m-7.7m (153"-303")	3.3m-6.5m (129"-257")	3.1m-6.2m (122"-242")	3.2m-6.4m (127"-252")	3.2m-6.4m (127"-252")
LL-704	7.3m-12.4m (388"-490")	6.2m-10.5m (244"-415")	5.9m-10.0m (231"-392")	6.1m-10.3m (240"-407")	6.1m-10.3m (240"-407")
UL-705	12.4m-21.1m (487"-830")	10.5m-17.9m (415"-705")	10.0m-16.9m (393"-667")	10.3m-17.6m (407"-691")	10.3m-17.6m (407"-691")

*1. These projected images are simulations and based on models CP-X8150 and CP-WX8240 using standard lenses. Lens shift figures will vary according to models and lenses. Models using standard lens SL-702 can shift left or right up to 50% of the screen's width and down to 70% (CP-WX8240)/60% (CP-X8150) of the screen's height. Models using standard lens ML-703 can shift left or right up to 10% of the screen's width and down to 55% (CP-WU8450, CP-WU8440, CP-WX8255)/ 50% (CP-X8160) of the screen's height.

Instant Stack^{*2}



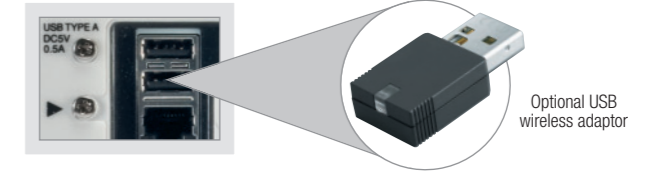
This feature allows you to easily superimpose images projected from two projectors stacked vertically or placed side by side. This provides enhanced brightness levels and acts as a fail safe operation mode.

*2. Please be aware that there are various cautions and limitations in functionality when stacking projectors. Ask your dealer for details.

Advanced Network Functions^{*4}

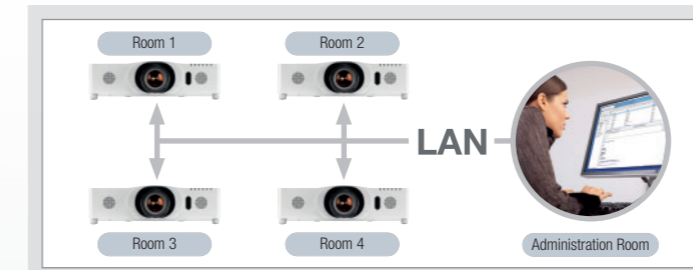
Wireless network connection

The optional USB wireless adaptor supports all IEEE802.11b/g/n networks, and simply slots into place. This eliminates cables and provides greater flexibility when installing your projector.



Convenient Networking

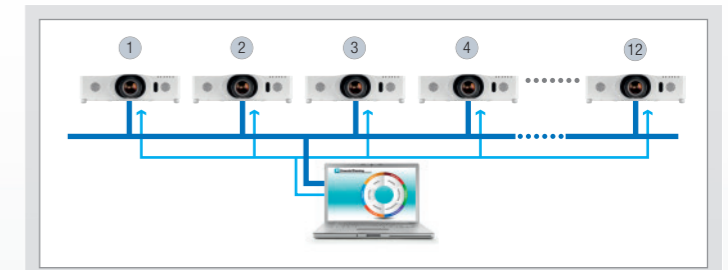
Built-in networking gives you the ability to manage and control multiple projectors over your LAN: Centralised Reporting, Scheduling, Email alerts and My Image (Image Transfer)



*4. Video transfer through network may not be supported depending on combination of computer hardware and software. For projecting video sources, video/computer cable is preferable. *5. To secure better performance, a wired network is preferable. *6. Video transfer speed may vary depending on number of projectors connected.

Multi projectors^{*5}

You can also project the same image via up to 12^{*6} projectors simultaneously. This is useful for meetings and lectures in large venues to allow all participants easy view of a screen.



Usability Features

Picture by Picture^{*7}

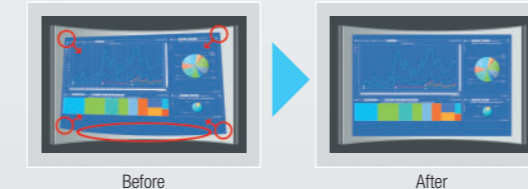


Project two pictures on a single screen – the simple, effective way to compare data, images or other content.

*7. Available on CP-WU8440 and CP-WU8450 only.

Perfect Fit

Perfect Fit allows quick adjustment of the projected image. Align image corners with the screen, correct barrel and other distortion.



Status Monitor^{*3}

This unique feature monitors the projector and displays a status on the LCD screen located on the rear panel. This includes set up information, usage information, error messages and historical data.

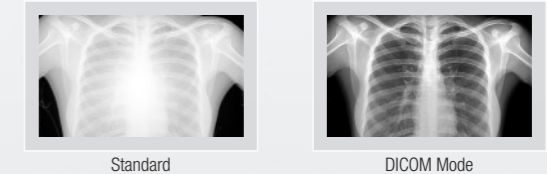
Easy Maintenance

The filter cover and lamp door are positioned on the projector sides, allowing easy access for parts maintenance and replacement whilst the projector is installed.



DICOM Mode (for simulation)

These projectors have a DICOM Mode. While not intended for actual medical diagnosis applications, the medical industry-standard DICOM simulation mode accurately reproduces greyscale levels. It is an invaluable feature for viewing medical images such as X-rays in training and educational environments.



HDMI connectivity

Two HDMI inputs allow digital connection via a single cable, for video and audio from various types of equipment. You can enjoy high picture quality and high sound quality from a wide range of uses, from Blu-ray to games consoles.

More Convenient Features

- Mechanical Shutter • Low noise level (29dB Eco Mode)
- PC-Less presentation via USB • Display via USB • Template Function
- Auto Vertical Keystone Correction • AMX Device Discovery compatible • Crestron RoomView® compatible

Inorganic LCD panels

These projectors use inorganic LCD panels to produce clear images while ensuring longer life without fading. This means high reliability and less maintenance, reducing total ownership costs.

Longer Lamp Life

Lamp life of up to 5000 hours can be achieved in Eco Mode.

High Performance Filter

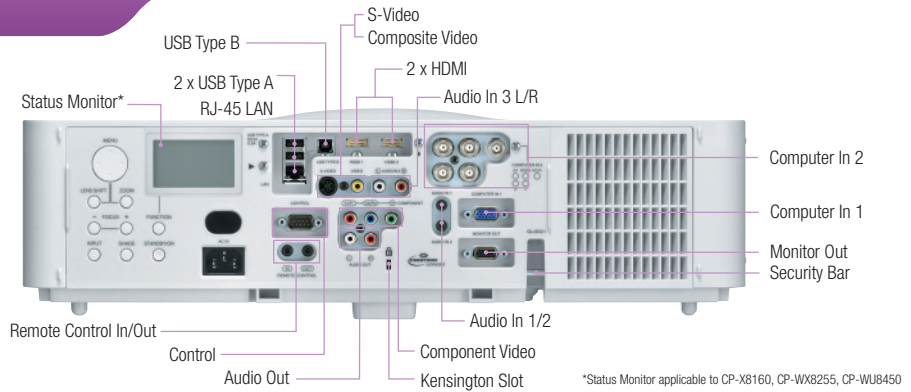
The filter is made of two layers and lasts up to 20,000 hours^{*3} without cleaning, thus increasing maintenance intervals.

*3. Available on CP-X8160, CP-WX8255 and CP-WU8450 only.

*3. Available on CP-X8160, CP-WX8255 and CP-WU8450 only.

Connectivity

You can connect these projectors to a variety of devices, to support all your projection needs. From DVD players, monitors and PCs, to the Local Area Network and a simple mouse connection, Hitachi has done everything possible to create the most flexible user experience. With the inclusion of two HDMI ports these projectors are capable of supporting Full HD signals from a range of devices including a Blu-ray player, perfect if you wish to watch a film on a large screen.



MODEL	CP-X8150	CP-WX8240	CP-WU8440	CP-X8160	CP-WX8255	CP-WU8450
TECHNICAL SPECIFICATIONS						
OPTICAL						
Resolution	XGA (1024 x 768)	WXGA (1280 x 800)	WUXGA (1920 x 1200)	XGA (1024 x 768)	WXGA (1280 x 800)	WUXGA (1920 x 1200)
Light output (brightness) (ANSI Lumens)	5000 (Normal)/3400 (Eco)	4000 (Normal)/2700 (Eco)	4200 (Normal)/2850 (Eco)	6000 (Normal)/4800 (Eco)	5500 (Normal)/4400 (Eco)	5000 (Normal)/4000 (Eco)
Contrast ratio	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)	3000:1 (Presentation Mode)
Lens	Motorised Standard lens, SL-702 Short throw zoom lens, Zoom: x 1.5	Motorised Standard lens, SL-702 Short throw zoom lens, Zoom: x 1.5	Motorised Standard lens, ML-703 Middle throw zoom lens, Zoom: x 2.0	Motorised Standard lens, ML-703 Middle throw zoom lens, Zoom: x 2.0	Motorised Standard lens, ML-703 Middle throw zoom lens, Zoom: x 2.0	Motorised Standard lens, ML-703 Middle throw zoom lens, Zoom: x 2.0
Lamp life (hours)	2500 (Normal)/4000 (Eco)*	2500 (Normal)/4000 (Eco)*	2500 (Normal)/4000 (Eco)*	2500 (Normal)/3000 (Eco)*	2500 (Normal)/3000 (Eco)*	2500 (Normal)/3000 (Eco)*
Diagonal display size	30-600" (76-1,524cm)	30-600" (76-1,524cm)	30-600" (76-1,524cm)	30-600" (76-1,524cm)	30-600" (76-1,524cm)	30-600" (76-1,524cm)
Keystone correction	Vertical 9:-1 shift, Normal at + 17.8°-11.9° projection angle	Vertical 5:-1 shift, Normal at + 17.7°-11.9° projection angle	Vertical 10:-1 shift, Normal at + 14.6°-7.4° projection angle	Vertical 9:-1 shift, Normal at + 17.8°-11.9° projection angle	Vertical 10:0 shift, Normal at + 14.4°-7.3° projection angle	Vertical 10:-1 shift, Normal at + 14.6°-7.4° projection angle
Lens Shift	Vertical: 9:-1 (Wide)-1:1 (Tele) Horizontal: 10:0 (Wide)-0:10 (Tele)	Vertical: 5:-1 (Wide)-1:1 (Tele) Horizontal: 10:0 (Wide)-0:10 (Tele)	Vertical: 10:-1 (Wide)-1:1 (Tele) Horizontal: 6:4 (Wide)-4:6 (Tele)	Vertical: 10:0 (Wide)-1:1 (Tele) Horizontal: 6:4 (Wide)-4:6 (Tele)	Vertical: 10:-1 (Wide)-1:1 (Tele) Horizontal: 6:4 (Wide)-4:6 (Tele)	Vertical: 10:-1 (Wide)-1:1 (Tele) Horizontal: 6:4 (Wide)-4:6 (Tele)
Distance to width ratio (-1)	1.5 (Wide), 2.2 (Tele)	1.5 (Wide), 2.2 (Tele)	1.5 (Wide), 3.0 (Tele)	1.5 (Wide), 3.0 (Tele)	1.5 (Wide), 3.0 (Tele)	1.5 (Wide), 3.0 (Tele)
COMPATIBILITY						
Computer compatibility	PC, VGA, SVGA, XGA, WXGA, WXGA+, WUXGA (CP-WU8440 & CP-WU8450 only), SXGA, SXGA+, UXGA (compressed), MAC16"					
Composite/S-Video	NTSC/PAL/SECAM/PAL-M/PAL-N/NTSC4.43					
Component Video/HDMI	525i(480i), 525p(480p), 625i(576i), 1125i(1080i@50/60), 750p(720p@50/60), 1125p(1080p@50/60)					
FEATURES						
Speaker	8W x 2 (stereo)					
Basic functions	Freeze, Magnifying, Blank, Auto adjustment, Search					
Picture adjustments	Equalising digital gamma correction, 2-3 Pull Down for NTSC, Progressive Scan, noise reduction, Mirror Reverse Image, Up-side Down Image, Equalising colour temperature adjustment, Frame lock, Perfect Fit					
Digital keystone correction	Vertical ±35°, Horizontal ±35°					
Advanced features	Audio pass through, Audio ports assign, Auto Eco Mode, Closed caption (NTSC & 480i), Filter timer, Lens memory, My Button, My Memory, My Text, MyScreen, PC-less presentation, Picture modes (normal, cinema, dynamic, blackboard/greenboard/whiteboard mode, Daytime mode, DICOM simulation), Resolution setting, Source naming (English), Template					
Outward	Easy Lamp replace from side, Easy filter replace from side					
Power on & off	Direct power on, Auto power off					
Security systems	PIN Security Lock, MyScreen Password Lock, Transition Detector, My Text, Password Lock, Key Lock (Key pad, Remote Control), Lens Lock, Security bar					
Network	AMX Device Discovery, command Control via the network, configure and control the projector via a web browser, control the projector via RoomView® (not accessible through the wireless adaptor), displaying text data with audio alarm transferred via network, failure and warning alerts via email, My Image (still image transfer) display, Network Bridge, Network Presentation (PC still/moving picture transfer), PJ Link™, projector management via SNMP					
OSD Languages	English, French, German, Spanish, Italian, Norwegian, Dutch, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkey, Arabian, Persian, Czech, Danish, Hungarian, Romanian, Slovenian, Croatian, Greek, Lithuanian, Estonian, Latvian, Thai, Portuguese (Brazil), Indonesian, Vietnamese)					
CONNECTIONS						
Digital input	2 x HDMI (HDCP Compliant)					
Computer input	1 x 15-pin Mini D-sub, 1 x BNC					
Monitor output	1 x 15-pin Mini D-sub					
Video input	1 x S-Video, 1 x RCA Composite Video, 3 x RCA Component Video					
Audio input	2 x Stereo Mini Jack, 2 x RCA Jack (L/R)					
Audio output	2 x RCA Jack (L/R)					
USB Type A/Type B	2/1					
Wired/Wireless network	1 x RJ-45/Optional (via wireless adaptor)					
Control	1 x 9-pin D-sub for RS232 control					
POWER						
Power supply	AC100-120V/220-240V, auto switching					
Power consumption/Standby	355W/<0.35W (AC 220-240V)	355W/<0.35W (AC 220-240V)	355W/<0.35W (AC 220-240V)	455W/<0.35W (AC 220-240V)	455W/<0.35W (AC 220-240V)	455W/<0.35W (AC 220-240V)
PHYSICAL						
Dimensions (W x H x D)	498 x 135 x 396mm (excluding feet and extrusions)					
Weight	Approximately 8.3Kg	Approximately 8.3Kg	Approximately 8.6Kg	Approximately 8.6Kg	Approximately 8.6Kg	Approximately 8.7Kg
Noise level	35dB (Normal)/29dB (Eco)	35dB (Normal)/29dB (Eco)	35dB (Normal)/29dB (Eco)	37dB (Normal)/31dB (Eco)	37dB (Normal)/31dB (Eco)	37dB (Normal)/31dB (Eco)
Ambient temperature	Operating 0-40°C Storage -20-60°C	Operating 0-40°C Storage -20-60°C	Operating 0-40°C Storage -20-60°C	Operating 0-45°C Storage -20-60°C	Operating 0-45°C Storage -20-60°C	Operating 0-45°C Storage -20-60°C
Air filter	Hybrid (Up to 15,000 hours)	Hybrid (Up to 15,000 hours)	Hybrid (Up to 15,000 hours)	Hybrid (Up to 20,000 hours)	Hybrid (Up to 20,000 hours)	Hybrid (Up to 20,000 hours)
MISCELLANEOUS	LED lamps (power, lamp, temperature, security, filter, shade), Serial number label on side					
ACCESSORIES SUPPLIED	Remote control with batteries (HL02801), RGB cable, power cord, lens cover, security label, user manual (detail & concise), Application CD, Adaptor cover					
OPTIONAL ACCESSORIES						
Replacement lamp/lamp Wattage	DT01281/245W UHP	DT01281/245W UHP	DT01281/245W UHP	DT01291/330W UHP	DT01291/330W UHP	DT01291/330W UHP
Filter set	MU6642	MU6642	MU6642	UX38241	UX38241	MU6642
USB wireless adaptor	USB-WL-11N					
Motorised Lenses	FL-701 - Fixed lens, SL-702 - Short throw zoom lens, Zoom: x 1.5, ML-703 - Middle throw zoom lens, Zoom: x 2, LL-704 - Long throw zoom lens, Zoom x 1.7, UL-705 - Ultra long throw zoom lens, Zoom x 1.7					
WARRANTY						
Projector warranty/lamp warranty	3 Years/6 Months (4000 Hours)**	3 Years/6 Months (4000 Hours)**	3 Years/6 Months (4000 Hours)**	3 Years/6 Months (3000 Hours)**	3 Years/6 Months (3000 Hours)**	3 Years/6 Months (3000 Hours)**

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*The stated lamp and filter life refers to the average life expected in ideal operating conditions with usage in accordance with the manual. The majority of, but not all lamps and filters should achieve this figure. **A free replacement lamp will be issued if the original lamp is less than 6 months old and it has only been used for less than the hours stated on lamp warranty from the date of first use. Where a lamp fails and a replacement lamp is taken under warranty, the duration of the warranty for the replacement lamp shall be the remainder of the original warranty period only. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. AMX and the AMX logo, and Device Discovery are all registered trademarks of AMX. Crestron® and RoomView™ are registered trademarks or trademark of Crestron Electronics, Inc. The specification above and photography is for reference only and may be subject to change.