

POWER TO YOUR NEXT STEP

Take your next
step into the
innovative
world of Canon
Compact
Installation
projectors



XEED

you can

Canon



XEED Compact Installation projectors: discover a new world of installation imaging

Canon XEED Installation projectors are recognised as among the finest in the industry. Offering market-leading image quality and the precision optics you would expect from a world leader in imaging solutions, the XEED range has won acclaim for its groundbreaking LCOS panel technology and its powerful image processor.

Perhaps most of all, XEED projectors are acknowledged by installation professionals for their blend of premium quality projection lenses and the unique AISYS optical system that delivers simultaneously high levels of brightness and contrast.

Now AV professionals can enjoy a new concept in premium quality installation projection solutions. Canon is forging an exciting new segment in the installation market, by introducing four versatile and innovative models. Each offers outstanding image quality from a compact chassis, while retaining the features you'd expect from a full-size installation projector.

Compact yet superbly powerful

The XEED Compact Installation range offers two 1.8x zoom models and two short throw models that provide a superb choice of resolution and brightness. Each device helps you to create the perfect installation solution whenever you need a projector that is:

- Stunningly and consistently* bright across the entire zoom range (XEED WUX450 and XEED WX520) thanks to a constant F2.8 lens aperture
- Able to project a 100" image from just 1.2 metres – equivalent to around one-third of the throw distance required by conventional projectors (XEED WUX400ST and XEED WX450ST)
- Suitable for any installation environment, thanks to a flat design and innovative air intake and exhaust system
- Simple to install, operate and service
- Smaller and lighter than comparable models in the same segment

Short throw redefined

Until now, selecting a short throw projector has typically meant choosing between two types of device. Option one has been to select an affordable ultra-short throw model, with low brightness and high levels of distortion, typically only suitable for low-end applications. Option two has been to pick a high-end installation model with a short throw on-axis lens, where high brightness is traded for the lack of lens shift or zoom.

XEED Compact Installation Short Throw projectors mean you no longer need to compromise. Each short throw model offers class-leading lens shift of 75% (WUX400ST) and 77% (WX450ST). Brightness levels of 4000 lumens and 4500 lumens respectively provide superb performance in either front or rear projection installations.



Four steps to the future

XEED Compact Installation projectors give you four compelling advantages over other similar models:

1. Constant*, superb brightness across the zoom range

With conventional projectors, brightness tends to decrease significantly at the telephoto end of the zoom range. XEED WUX450 and WX520 models sustain constant* brightness across the whole zoom range, delivering stunningly impactful images from any throw distance. You gain greater flexibility and control over projector placement, with no need to trade installation flexibility for brightness. Learn more on pages 4 and 5.

2. Remarkable energy efficiency

XEED Compact Installation projectors offer exceptionally low energy consumption for the brightness they deliver, and are equally energy efficient in standby. So they're affordable to own and operate, and can help to support your environmental goals. Learn more on page 8.

3. Outstandingly easy installation

The projector's compact size is complemented by unbeatable ease of installation. Flexible installation is built into the fabric of each machine – including enhanced four-point keystone correction for perfect image geometry from any projection angle. A flat top allows direct stacking, while comprehensive support for multi-projector use is also provided. Images can even be projected via the network. Learn more on pages 9 and 10.

4. Exceptionally easy maintenance

The lamp and filter are easy to replace without uninstalling the device – ideal when the projector is ceiling-mounted. With firmware updateable via the USB port and a Three Year Loan Warranty Service, your XEED projector arrives ready to give you years of reliable, low-maintenance and high-quality service. Learn more on pages 10 and 11.

Pioneering imaging technology for breathtaking real-world results

Canon projectors use precision technology specifically designed to maximise brightness – for beautiful whites, deep blacks and superbly vibrant colours.

LCOS panels deliver smooth, detailed images

Combining the best of LCD and DLP projection techniques, LCOS (Liquid Crystal on Silicon panel technology uses a thin layer of liquid crystal in place of the individual mirrors found in DLP panels. The result is exceptionally smooth images, with beautifully accurate colours, and without the unwanted 'lattice' or 'rainbow' effects. The latest LCOS display technology delivers an outstanding 96% aperture ratio, which is especially suited for environments that need smooth, detailed images; while motion blur reduction ensures images stay sharp.

Ultimate brightness and contrast

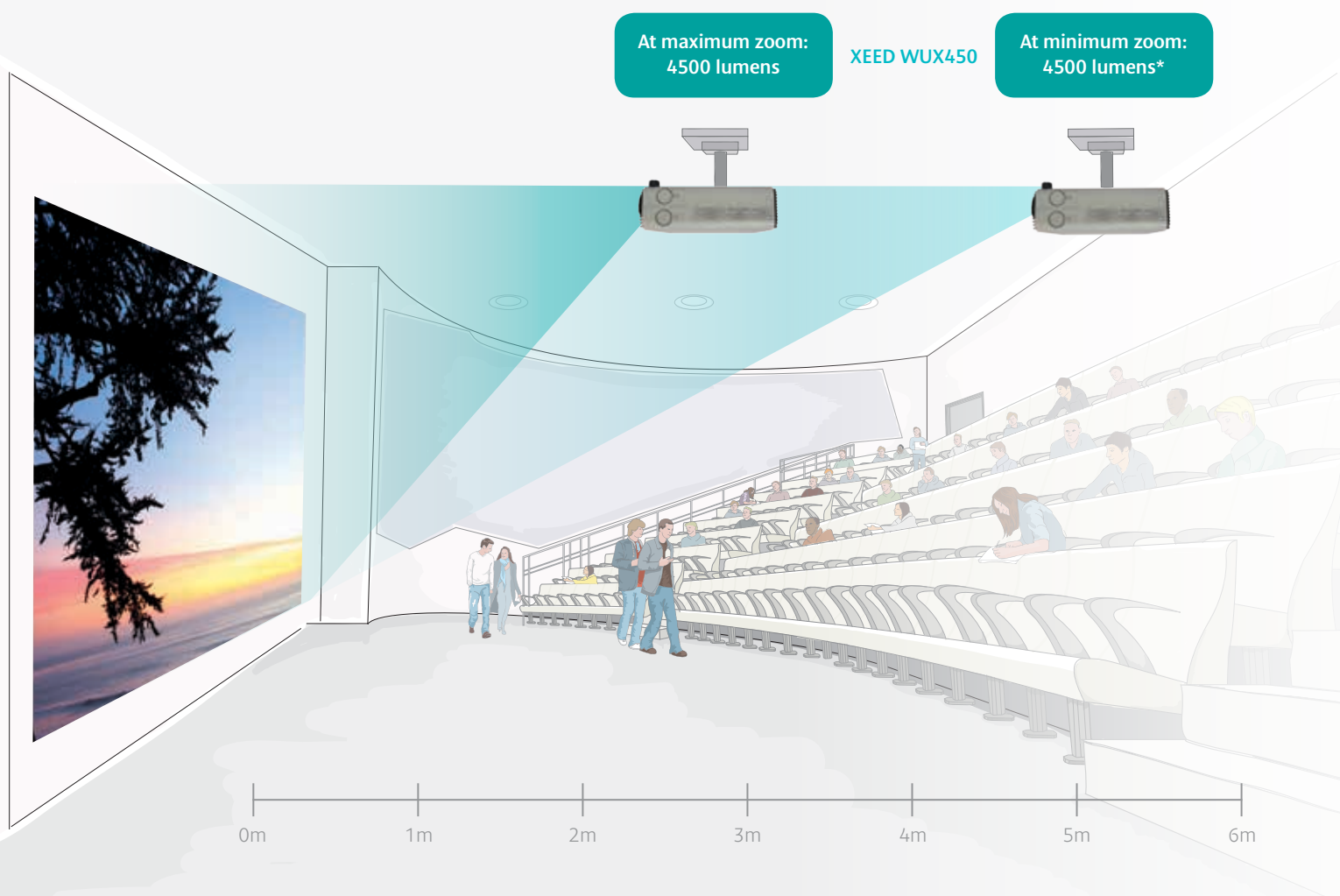
The latest version of Canon's proprietary AISYS (Aspectual Illumination System) optical technology works in combination with the LCOS imaging engine to deliver a more powerful blend of brightness and contrast than ever before: including a 2000:1 contrast ratio plus vivid, lifelike colours and rich, pure blacks.

The new AISYS 5 engine delivers exceptional brightness and ensures your audience sees only perfect, seamless images – even in demanding environments like conference facilities, lecture halls or exhibition centres.

Bright from any distance

Some projectors offer high specifications that do not translate into true performance in the installed environment. Thanks to LCOS panel technology and the quality of their lenses, XEED Compact Installation projectors deliver consistent brightness that frequently outshines competitor models in the same class.

Constant brightness regardless of zoom position.





Constant, awe-inspiring brightness

With a choice of 4500 or 5200 lumens, and a contrast ratio of 2000:1, the XEED WUX450 and XEED WX520 maintain a constant F2.8 aperture across their entire zoom range – for brightness that stays vivid no matter how much zoom is applied.*

See what you pay for

Brightness plays an important role of dictating the purchase price of a projector. But if you consistently use your projector at the telephoto end of its zoom range, you may be paying for brightness that is effectively lost. That's not the case when you choose a XEED Compact Installation model. With their brightness remaining consistent* across the range, you enjoy the full benefit of your investment from any throw distance.

Consistently bright in every mode

Unlike projectors that can darken images when particular image modes are applied (for example Colour Priority mode), XEED Compact Installation projectors sustain their performance no matter what mode you select. Just as important, the three LCOS panels in XEED Compact Installation projectors ensure that colours are every bit as bright as whites.

Maximise flexibility

Alongside their powerful zoom lenses, the XEED WUX450 and XEED WX520 offer up to 60% horizontal and 10% vertical lens shift, giving you ultimate flexibility in where you position the projector.

See constant brightness in action: **watch the animation**
at www.canon-europe.com/compactinstall



Comparative Lens Performance

WUXGA 4500 – 6000 lumen segment

	Projection Distance	Zoom	F. no. Wide	F. no. Tele	Brightness Drop
Competitor 'A' (WUXGA, 4500 lm)	2.8 - 5.0m	1.8x	1.7	2.6	-32%
Competitor 'B' (WUXGA, 5500 lm)	3.2 - 6.5m	2.0x	1.7	2.4	-24%
Canon XEED WUX450 (WUXGA, 4500 lm)	3.0 - 5.4m	1.8x	2.8	2.8	-5% to 0%

* Brightness may decrease by up to 5%. Based on a single image size.

Quality and innovation in short throw lens design

The unique lenses in XEED Compact Installation Short Throw models are higher-quality than the lenses on other short throw projectors. You would expect nothing less from a manufacturer with a 75 year heritage as a world leader in imaging optics and lens design.

Captivating images from any angle

XEED Compact Installation Short Throw projectors feature an exceptionally wide range of vertical and horizontal lens shift, to give unbeatable flexibility in projector placement. The all-new lens virtually eliminates distortion (typically just 0.1%) and has a throw ratio of less than 0.6:1. As a result, a 100" image can be projected from just 1.2 metres (WUX400ST) – around one third of the throw distance required by conventional projectors.

Despite their short focal length, the XEED WUX400ST and XEED WX450ST are capable of delivering sharp, undistorted images ranging in size from 30" up to a large 300" diagonal. So you're assured wide, bright and vivid images no matter what image size is required.

Lens shift extends your options – and your budget

You can confidently choose a XEED WUX400ST or WX450ST as a true 'one size fits all' solution for a wide range of installation environments.

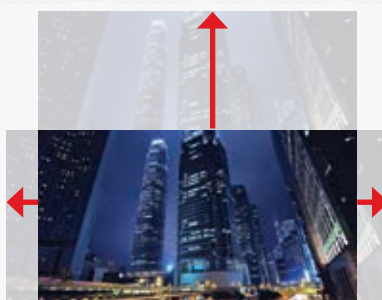
Better lenses mean better images

Lower-quality lenses create flare, field curvature and TV distortion, which lead to blurred and unclear images. The new, high-quality lenses in XEED Compact Installation projectors help eliminate these unwanted effects – delivering images with perfect geometry and keeping them in sharp focus throughout.

What is lens shift and why does it matter?

Lens shift allows the image to be positioned as required, without having to move or tilt the projector itself. This avoids the need for keystone correction, which can cause loss of image quality. The exceptionally wide 75% -77% vertical lens shift of XEED Compact Installation Short Throw projectors, plus their 10% horizontal shift, creates a host of flexible new installation options, as the projector can be discretely located exactly where required.

Approximate position that a short throw projector could be located



Vertical lens shift
75% (WUX400ST)
77% (WX450ST)

Horizontal lens shift
10% left and right
(both models)

XEED WUX450 and XEED WX520 Throw Distances (16:10 aspect ratio)

Image Size (Inches)		40	60	80	100	150	200	300
Width x Height (cm)		86 x 54	129 x 81	172 x 108	215 x 135	323 x 202	431 x 269	646 x 404
Lens (Projection ratio: 1.39:1 - 2.51:1)	WUX450							
	Throw Distance (Zoom – max / min)	1.2m / 2.2m	1.8m / 3.2m	2.4m / 4.3m	3.0m / 5.4m	4.5m / 8.1m	6.0m / 10.8m	9.0m / 16.2m
Lens (Projection ratio: 1.43 - 2.57:1)	WX520							
	Throw Distance (Zoom – max / min)	1.2m / 2.2m	1.8m / 3.3m	2.5m / 4.4m	3.1m / 5.5m	4.6m / 8.3m	6.2m / 11.1m	9.2m / 16.6m

XEED WUX400ST and XEED WX450ST Throw Distances (16:10 aspect ratio)

Image Size (Inches)		40	60	80	100	150	200	300
Width x Height (cm)		86 x 54	129 x 81	172 x 108	215 x 135	323 x 202	431 x 269	646 x 404
Lens (Projection ratio: 0.56:1)	WUX400ST							
	Throw Distance	0.47m	0.72m	0.96m	1.20m	1.81m	2.42m	3.64m
Lens (Projection ratio: 0.57:1)	WX450ST							
	Throw Distance	0.49m	0.74m	0.98m	1.23m	1.86m	2.48m	3.73m

Calculate your throw distance

Easily determine your requirements based on your screen diagonal, height or width.

Get started at www.canon.com/lcd-sim

Smart features for stunning results

Picture perfect at the touch of a button. For maximum versatility and convenience, XEED Compact Installation projectors offer a range of image modes to suit different presentation materials and environments.

A user-friendly interface enables the presenter to quickly find the optimum quality for the room conditions and presentation material. For even greater control, the operator can fine tune brightness, contrast, sharpness, gamma and colour correction within each individual preset.

See the XEED Compact Install Short Throw projectors with lens shift in action: watch the animation at www.canon-europe.com/shortthrow

Exceptional energy efficiency

With XEED Compact Installation projectors, there's no trade-off between brightness and power consumption. In fact, they use significantly less energy[†] than competitor models.

Leading the way in energy efficiency

Many installation projectors use excessive amounts of energy to deliver their bright images. XEED Compact Installation projectors offer the lowest power consumption for brightness delivered[†] making them a more sustainable long-term ownership proposition both financially and environmentally.

More power per pixel

Even the most power-hungry installation projectors don't always convert the energy they consume into large and detailed images. The XEED WX520 leads the way by offering native WXGA+ resolution from just 355 watts in operation. Likewise, the XEED WUX450, with native WUXGA resolution, uses just 10 watts more.

Projector	Brightness	Power consumption	Watts per lumen
WUX450	4500lm	365W	0.081
WX520	5200lm	355W	0.068

Super-low power consumption

XEED Compact Installation models consume far less energy than many competitor models in standby – just 0.6W with the network function enabled, and just 0.2W with the network port disabled. Combined with their low consumption while operating (365W for the WUX450 and 355W for the WX520), this results in an impressive energy efficiency figure.

Dedicated ECO button

The remote control for XEED Compact Installation projectors features a convenient one-touch ECO button that makes it easy and intuitive to maximise energy efficiency. Press the green button and the projector offers the choice of Full or Low Power lamp modes, while giving direct access to power management settings. It's a smart way to enable every installation to save costs and work as efficiently as possible.



Eco button

Offers direct access to the lamp mode and power management settings.



Canon innovations simplify installation

Compact size and light weight make these projectors easy to position and install. That is only the start of why they are exceptionally well-suited to a host of installation environments and applications.

Designed for effortless installation

Each projector has rotary feet that can be fitted to the flat top of the chassis. As a result, the projectors can be positioned with high precision, even in installations where they must be run in an inverted position – for example in the hidden drop-down housings that are often stipulated for conference and board rooms.

Support for Crestron RoomView® lets you take control of a number of projectors from a central location. Control, monitoring and diagnostics can be performed on single units or a group of projectors via the LAN; while on-screen 'broadcast' messages can be displayed on every connected projector.

Enhanced Networked Multi-Projection (NMPJ)

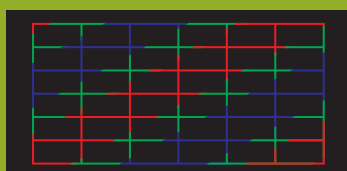
New NMPJ capabilities makes it easy to connect any number of XEED Compact Installation projectors to a LAN, enabling remote imaging:

- **Meeting Mode** allows presenters to share documents with in-room participants or with remote attendees via the internet
- **Classroom Mode** lets the group leader choose which PC image to display on the projector
- **Broadcast Mode** enables projection of images on multiple projectors
- **Direct Mode** enables direct projection from a PC using a LAN cable

Maximise the impact of your multi-projector Installations

All XEED Compact Installation models give you the tools to create unforgettable multi-projector images with minimum hassle:

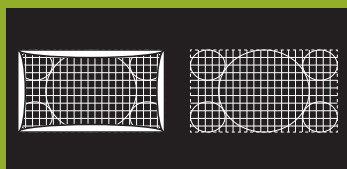
- **Registration adjustment** can be applied both horizontally and vertically to the precision of a single pixel to ensure perfect RGB panel alignment. A built-in test pattern enables you to achieve perfect registration, even when no image source is connected to the projector.
- **Support for edge-blending** makes it easy to achieve seamless blends at the point where images from neighbouring projectors overlap, with no 'hot' areas.
- **Ultra-low image distortion** of just 0.1% (equivalent to 2mm horizontally on a 16:10 screen of 100" diagonal) helps you deliver smooth, precise and crystal-clear multi-projector images with perfect geometry.



Registration adjustment



Support for edge-blending



Ultra-low image distortion

Any position, any location, any environment

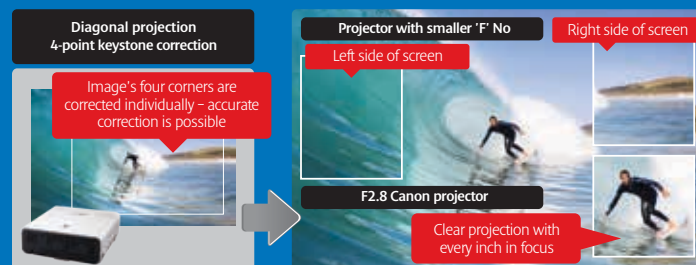
XEED Compact Installation projectors give you outstanding control over placement and positioning. 4-point keystone correction delivers clear images from any projection angle, while picture-by-picture is ideal for video conferencing applications.

Advanced 4-point keystone correction

You can project from almost any angle using the 4-point keystone correction – because it keeps every corner of your image precise and sharp. You won't experience the blurring or compromised focus found on many projectors when heavy keystone correction is applied. The constant F2.8 lens offers an improved depth of field, so the entire image remains in focus even when projecting from a steep angle.

Groundbreaking picture-by-picture from two digital sources

Many video conferencing environments demand side-by-side projection using just one projector. XEED Compact Installation devices offer simultaneous display of two digital image sources (such as DVI-D and HDMI) in a picture-by-picture format. You can also project picture-by-picture from a mix of analogue and digital sources.



Easy to maintain

Tough new optical components give XEED Compact Installation projectors an even longer service life – as well as reducing demand on your service and support resources. Their modular design makes them straightforward to install and maintain.

Fast, simple lamp and filter replacement

Easy maintenance that does not require removing the projector from its native environment is vital in an installation application. The lamp and air filters in XEED Compact Installation projectors can be replaced in a few simple steps – even with the projector still mounted on the ceiling.

Outstanding durability and resilience

The projector's replaceable parts have a significantly extended lifespan, reducing your maintenance time and costs.

Convenient USB firmware updates

You can easily update the projector's firmware using a USB flash drive – so there's no need to remove the device from its working environment.

Naturally, the projector can display the current firmware version – which is convenient when assessing the need for an update.

Lamp Replacement – Easy Maintenance

Lamp and filter can be replaced easily with the projector still mounted on the ceiling



1. Press the tab at the edge of the lamp cover to release the lock



2. Slide back the lamp cover and open it



3. Remove three mounting screws on the lamp unit and remove the lamp unit

An enhanced warranty loan service as standard*



The Canon Three Year Enhanced Warranty Loan Service helps keep your installation operational.*

Under the terms of the warranty, a next-day** loan projector is provided while the original device is repaired or serviced.



Three Year Lamp Warranty

For added peace of mind, XEED Compact Installation projectors can be covered by the Canon Three Year Lamp Warranty.* The standard 90-day warranty can be extended to three years, free of charge, simply by registering the projector within one month of purchase. Once registered, the owner is entitled to up to three replacement lamps over a three year period, including free delivery.

* Selected territories only.

** Next day means that where possible, the loan product will be provided on the day after the repair request. If the request is received after midday, on a weekend or a public holiday, the loan product will be received within two days. This loan service is subject to full terms and conditions.

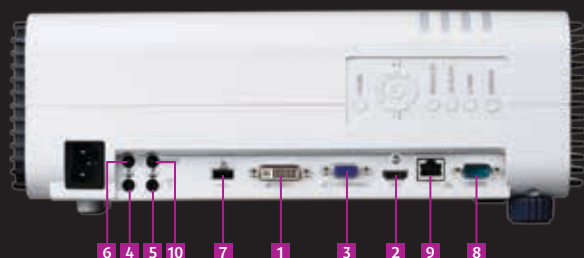




A choice of flexible connectivity options

XEED Compact Installation projectors provide all the ports you would expect for connecting standard and high-definition image sources, including DVI and HDMI™ terminals. Dedicated audio and control ports are also included.

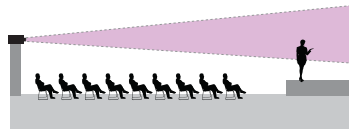
The included RJ-45 network port enables easy centralised management, such as remote monitoring and control via any computer on the same LAN. For PC-less projection, XEED Compact Installation models can project directly from a USB flash drive.



- 1 DVI-I 29-pin:** Digital / Analogue RGB Input
- 2 HDMI™ V1.3 (with Deep Colour):** Digital Video / Digital Audio / Digital RGB Input
- 3 Mini D-Sub 15-pin:** Analogue RGB Input (Component input via optional adapter cable)
- 4 3.5mm stereo mini-jack:** Audio Input 1
- 5 3.5mm stereo mini-jack:** Audio Input 2
- 6 3.5mm stereo mini-jack:** Audio Output (variable level)
- 7 USB Type A:** USB Connection
- 8 Mini D-Sub 9-pin:** Control Port (RS-232C)
- 9 RJ-45:** Network Connection
- 10 3.5mm stereo mini-jack:** Wired Remote Control Input

Creating new opportunities in established installation environments

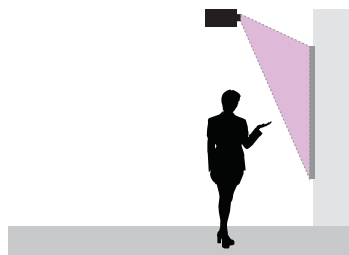
Their small size and innovative features make XEED Compact Installation projectors the ideal choice for applications where you may previously have selected a different category of projector.



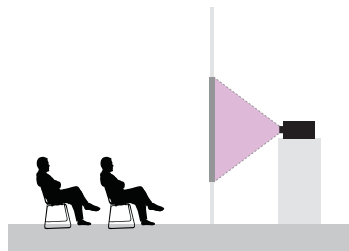
Conventional projector with ultra-long zoom lens



Canon short throw solution



No dazzle or shadows when presenting



Perfect for rear projection applications

Innovation for Business

In commercial environments like boardrooms and meeting rooms, the XEED Compact Installation range's superb performance in both ambient and controlled lighting represents a powerful advantage.

Exceptional lens shift and brightness make the XEED WUX400ST and WX450ST ideal replacements for expensive ultra-long zoom models often chosen for conference room installations.

Innovation for Technical Colleges and Higher Education

In engineering or design lecture theatres and study rooms, accurate projection of intricate images like blueprints, product or building designs is of paramount importance. Take advantage of the generous lens shift on the XEED WUX400ST or XEED WX450ST, and mount the projector on the ceiling above the projector screen. The combination of short throw and lens shift, eliminates glare for the presenter and the full image can be viewed without shadows.

Innovation for Public Display

XEED Compact Installation projectors are ideal for adventurous public display environments like museums, exhibitions and visitor centres. The constant* brightness of the XEED WUX450 and WX520 means you can be endlessly creative in positioning your projector without sacrificing the impact of your images.

For new or existing **rear projection installations** in public display and other environments, the compact dimensions of the XEED WUX400ST and WX450ST simplify installation, while still delivering breathtaking resolution and brightness.

* Brightness may decrease by up to 5%. Based on a single image size.



Perfect for integrated ceiling covers

Many System Integrators, AV Specialists and architects favour all-in-one ceiling-mounted 'sail' covers that house lighting and audio components. XEED Compact Installation short throw projectors offer exceptional flexibility in these applications due to their compact size, outstanding lens shift and wide choice of mounting options.

Impeccable quality and performance in a broad range of applications

High brightness, low cost of ownership and an intuitive modular design work together to make XEED Compact Installation projectors a great alternative to conventional installation models. These innovative projectors deliver the quality and brightness you require, without the expense of a separate lens.

For Engineering and Design

3D modelling and prototyping, architecture, mapping and CAD environments depend on projecting images with absolute clarity and accuracy. The WUXGA resolution (1920 x 1200 pixels) of the WUX450 and WUX400ST ensures that fine lines and small text are sharp and easily legible.

Creative businesses like fashion houses and advertising agencies will appreciate the superb accuracy and faithfulness enabled by the six-axis colour adjustment.

For Simulation and Control Rooms

To portray precision detail, control rooms and industrial-grade simulators demand ultra-fast refresh speeds and smooth motion, together with the high native WUXGA resolution of the WUX450 and WUX400ST. These environments are frequently 'always on', so the long-lasting and easily-replaceable air and optical filters, plus up to 5000 hour lamp life (in ECO mode), make these models a perfect choice.

For Professional Photographers

The bright, high-contrast images obtained from XEED Compact Installation projectors are ideal for showcasing the subtle tones in professional photographs. Up to 5200 lumens, and colour matching that rivals some of the best calibrated displays, create silky images that showcase your creativity, enchant your clients and maximise your sales. Consider the short throw WUX400ST or WX450ST, with their exceptional range of lens shift, if your studio, gallery or display environment is in a confined or unusually-shaped space.

Compact Installation projectors for medical environments[‡]

The XEED Compact Installation range includes four dedicated Medical models. These make a powerful addition to any PACS (Picture Archiving and Communication System). They offer a high quality platform for radiological case discussions in hospitals, private medical centres and dentistry practices.

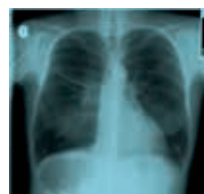
Medical imaging demands extremely accurate reproduction of grayscales, so the XEED Medical Compact Installation range's precise and accurate projection of X-ray and MRI images in any size of room represents a compelling advantage. The WUX400ST Medical or WX450ST Medical short throw models are an ideal choice for smaller spaces like seminar rooms or spaces where individual tutorials are held.

XEED Medical Installation projectors offer an out-of-the-box DICOM SIM mode which simulates DICOM part 14 – a medical imaging standard. It ensures that radiological images are reproduced with accuracy and clarity.[‡]

A choice of blue-base and clear-base modes lets you present X-ray images to whichever standard is preferred.



Clear base



Blue base



Which XEED Compact Installation projector is right for you?

Despite sharing the same compact and lightweight chassis, the four XEED Compact Installation projectors offer a superb choice of resolution and lens type, so you can select the perfect device for your needs.

XEED WUX450

The energy-efficient XEED WUX450 is Canon's most compact WUXGA installation model. The powerful 4500 lumens remains constant* across the zoom range; while the high-quality 1.8x lens has vertical and horizontal lens shift for easy installation.

XEED WX520

The XEED WX520 is Canon's most compact WXGA+ installation projector, delivering a brilliant 5200 lumens that stays constant* even at the telephoto end of the zoom range, while offering outstanding energy efficiency.

XEED WUX400ST

Canon's first WUXGA short throw compact installation projector offers a generous 75% vertical lens shift and 4000 lumens brightness, delivering incredibly detailed images from around one third of the throw distance of conventional projectors, large 100" images can be projected from just 1.2 metres.

XEED WX450ST

This unique and innovative WXGA+ short throw installation projector features an exceptional 77% vertical lens shift. With 4500 lumens brightness, it delivers superior quality images from around one-third the throw distance of conventional projectors.

* Brightness may decrease by up to 5%. Based on a single image size.

XEED WUX450, WX520, WUX400ST and WX450ST Specifications

		XEED WUX450		XEED WX520		XEED WUX400ST		XEED WX450ST	
PRODUCT CLASS		Compact Installation				Compact Installation Short Throw			
PANEL									
Type		LCOS reflective display, TFT Active Matrix				LCOS reflective display, TFT Active Matrix			
Size and Number		0.71" diagonal, 3 panels		0.70" diagonal, 3 panels		0.71" diagonal, 3 panels		0.70" diagonal, 3 panels	
Aspect Ratio		16:10				16:10			
Native Resolution		1920 x 1200 (WUXGA), 2304000 pixels		1440 x 900 (WXGA+), 1296000 pixels		1920 x 1200 (WUXGA), 2304000 pixels		1440 x 900 (WXGA+), 1296000 pixels	
OPTICS									
Lamp Type		250W NSHA				250W NSHA			
Lens F Number and Focal Length		F2.8; f=21.7 – 39.0mm				F2.7; f=8.8mm			
Zoom Magnification and Control		1.8x Manual				1.0x Optical (fixed) / 1.35x Digital (reduction)			
Focus Control		Manual				Manual			
Lens Shift		Vertical 0% to +60%, Manual		Vertical 0% to +62%, Manual		Vertical: 0% to +75%, Manual		Vertical: 0% to +77%, Manual	
		Horizontal: +/-10%, Manual				Horizontal: +/-10%, Manual			
IMAGE AND AUDIO									
Brightness		4500 lumens (3460 lumens in Eco Mode)		5200 lumens (4000 lumens in Eco Mode)		4000 lumens (3080 lumens in Eco Mode)		4500 lumens (3460 lumens in Eco Mode)	
Brightness Uniformity		90%				80%			
Contrast Ratio		2000:1 (full on / full off)				2000:1 (full on / full off)			
Projection Distance Coverage		1.2m – 16.2m (3.0m – 5.4m for 100" image)		1.2m – 16.6m (3.1m – 5.5m for 100" image)		0.35m - 3.64m (1.2m for 100" image)		0.36m - 3.73m (1.23m for 100" image)	
Screen Size		40" – 300" (86 x 54cm – 646 x 404cm)				30" – 300" (65 x 40cm – 646 x 404cm)			
Throw Ratio		1.39 – 2.51:1		1.43 – 2.57:1		0.56:1		0.57:1	
Digital Zoom Magnification		1x – 12x				1x – 12x			
Keystone Correction Range		Vertical: +/-20°, Horizontal: +/-20°				Vertical: +/-12°, Horizontal: +/-12°			
Digital RGB Compatibility		WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA	
Analogue RGB Compatibility		WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA	
Digital Video Scan Systems		1080p / 1080i / 720p / 576p / 480p				1080p / 1080i / 720p / 576p / 480p			
Component Video Scan Systems		1080p / 1080i / 720p / 576p / 576i / 480p / 480i				1080p / 1080i / 720p / 576p / 576i / 480p / 480i			
Supported File Types		JPEG (via USB image viewer)				JPEG (via USB image viewer)			
Built-in Speaker		5.0W RMS, Monaural				5.0W RMS, Monaural			
PORTS AND CONNECTORS									
Digital RGB Input		DVI-I 29-pin (shared)				DVI-I 29-pin (shared)			
Digital Video and Audio Input		HDMI (with Deep Colour)				HDMI (with Deep Colour)			
Analogue RGB Input 1		DVI-I 29-pin (shared)				DVI-I 29-pin (shared)			
Analogue RGB Input 2		Mini D-Sub 15 pin (Component via optional adaptor cable)				Mini D-Sub 15 pin (Component via optional adaptor cable)			
Audio Input 1		3.5mm stereo mini-jack				3.5mm stereo mini-jack			
Audio Input 2		3.5mm stereo mini-jack				3.5mm stereo mini-jack			
Audio Output		3.5mm stereo mini-jack (variable level)				3.5mm stereo mini-jack (variable level)			
USB Port		USB Type A				USB Type A			
Service Port / Projector Control		Mini D-Sub 9-pin				Mini D-Sub 9-pin			
Network Port		RJ-45 (1000BASE-T / 100BASE-TX / 10BASE-T)				RJ-45 (1000BASE-T / 100BASE-TX / 10BASE-T)			
Wired Remote Control		3.5mm stereo mini-jack				3.5mm stereo mini-jack			
MECHANISMS									
Front Elevation Mechanism		Two rotary feet, 6° maximum image elevation				Two rotary feet, 6° maximum image elevation			
RATINGS									
Dimensions (W x H x D)		337mm x 134mm x 370mm				337mm x 134mm x 415mm			
Weight		5.9kg				6.3kg			
Power Source		100V – 240V AC, 50/60Hz				100V – 240V AC, 50/60Hz			
Power Consumption	Normal Mode	365W		355W		365W		355W	
	Eco Mode	295W		285W		295W		285W	
	Standby Mode	0.6W				0.6W			
	Standby Mode (LAN off)	0.2W				0.2W			
Noise Level	Normal Mode	38dBA				38dBA			
	Eco Mode	32dBA				32dBA			
Operating Environment		0°C to 40°C				0°C to 40°C			
Storage Environment		-10°C to 60°C				-10°C to 60°C			
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