

you can  
**Canon**

MULTIMEDIA PROJECTORS

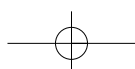
**XEED SX50**

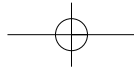
SXGA+.

Now in a compact form.



OFFICIAL SUPPLIER





# Project your business.

Breakthrough resolution. Breakthrough brightness and contrast. Breakthrough size. 70 years of Canon optical heritage distilled into a single defining moment. The extraordinary SXGA+ XEED SX50 – setting new projection standards against which others can only be compared.

## QUALITY – WITHOUT COMPROMISE

Canon's XEED SX50 explodes convention. Traditional LCOS projector technology has always forced a compromise between brightness, contrast and size. With the development of XEED SX50's revolutionary AISYS (Aspectual Illumination System) technology, Canon's engineers put an end to concession, delivering outstanding SXGA+ resolution, 2,500 lumens and a 1000:1 contrast ratio – all in an incredibly compact body.

## READ THE FINE PRINT

Professional presentations demand professional levels of fine detail, which is why XEED SX50 boasts SXGA+ resolution. Generally only found in much larger, heavier, fixed projectors, SXGA+ can display 3.1 times more pixels than SVGA and 1.9 times more than XGA. This makes it possible to clearly display highly detailed images, such as CAD drawings, technical data, designs, accounting data and multiple windows.

## WHEN RESOLUTION IS NOT ENOUGH

Outstanding resolution is crucial to show the level of fine detail your audience deserves. But regardless of pixel density, excessive gaps between pixels will give your picture a granular appearance; as if covered in a fine mesh. Unlike conventional LCD projectors, XEED SX50 uses LCOS (Liquid Crystal on Silicon) panels. With virtually no gap between pixels, they help the XEED SX50 to reproduce beautifully faithful, superb quality images.

## SEAMLESS MOVING IMAGES

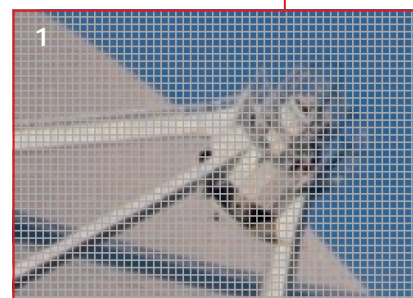
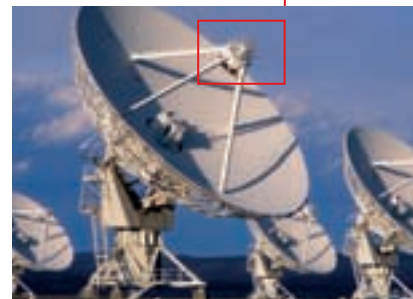
LCOS panels operate at a double frame speed to deliver flicker free, high quality, seamless movie and video viewing.

## BRIGHTER PROJECTION

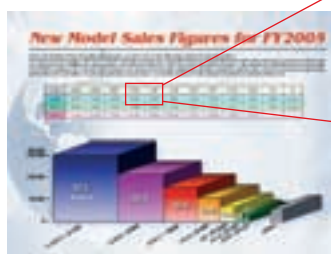
Canon combines leading-edge technologies to deliver 2,500 lumens brightness – more than enough power to show midday presentations and movies without having to draw the curtains, and perfect for large screen projection. Canon's unique AISYS technology optimises the light path to prevent lamp-light loss, while the projector lens elements have special coatings to limit harmful reflections that can wash out images. Canon's LCOS panels are also super efficient, reflecting appreciably more light toward the screen than conventional transmission type panels.

## OUTSTANDING CONTRAST

Key to the quality of any projected image is contrast – the ratio between light and dark areas. Low contrast images look washed out and flat. A drawback of traditional LCOS technology is its tendency to produce low contrast results. With its supremely efficient AISYS technology, the XEED SX50 overcomes this limitation to deliver an incredible 1000:1 contrast ratio for rich, deep tones, true blacks in dark areas and stunning detail in light areas.



1. LCD technology  
2. XEED LCOS technology

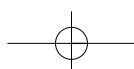


SU-800 Melody	VP-504D SRC
50,490	30,500

XGA (Transmissive LCD)

SU-800 Melody	VP-504D SRC
50,490	30,500

XEED SXGA+ (LCOS)





# Behind every great presentation...

## ...IS 70 YEARS OF CANON OPTICAL HERITAGE

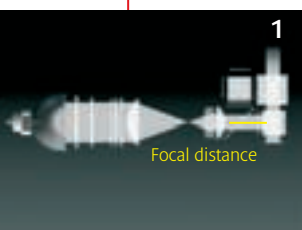
For the last 70 years, Canon's optical engineers have been at the forefront of imaging and lens development, relentlessly pursuing advances in optical technologies. As well as the XEED SX50's new AISYS optical system, this commitment to research has led to a new projection lens. Its 1.7x zoom achieves strong magnification with little distortion throughout the zoom range, while two aspherical elements eliminate aberrations, for high corner-to-corner contrast.

## COLOURS AS YOU SEE THEM

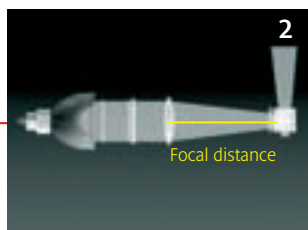
A key component of the revolutionary AISYS optical system is Canon's Pure Colour Processing. It optimises the design of the optical system components to accurately separate light into its three primary colours - Red Green and Blue - and to then faithfully process each colour individually, using three dedicated LCOS panels. The result is fantastically clear and true colours, reproduced with high contrast and exceptional colour balance.

## COMPACT, LIGHT AND ECONOMICAL

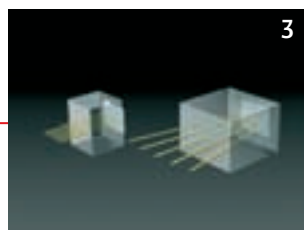
By combining its own AISYS technologies and LCOS panels, Canon has been able to create an exceptionally small SXGA+ projector, with a price tag to match its diminutive size.



1  
AISYS illumination system



2  
Competing manufacturer's illumination system



3  
XEED SX50's PBS\* (left) and competing manufacturers PBS\*

1/2/3.

Canon's advanced AISYS technology dramatically shortens the requisite focal distance. The focal distance of competing manufacturers' systems is more than twice as long. The AISYS system keeps distances between components shorter and component sizes smaller making it more efficient and improving on the light intensity.

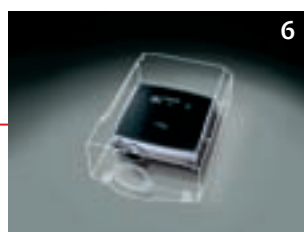
\*Polarization Beam Splitter



4  
XEED SX50's optical system



5  
Comparison with competing manufacturer's SXGA+ optical system



6  
Comparison with competing manufacturer's SXGA+ model

4/5/6.

Advances in optical technologies have more than halved the required distances between components. This allows a major reduction in overall size and weight, while dramatically improving performance and image quality.



# Making life easy.

The XEED SX50's 'Human Centred Design' is integral to the projector. Every aspect of the menu structure is designed with the user in mind for fast, instinctive operation. You won't need a degree in computer science to get your presentations working just the way you want them. Even the air exhaust points away from the audience so they won't be distracted while you get your point across.

## THE PERFECT ANGLE FOR YOUR PRESENTATION

The XEED SX50 can be tilted up or down with one hand, and Keystone corrections of +/- 20 degrees both horizontally and vertically can be made easily. The 1.7x zoom lens not only allows for flexible placement, its wide-angle projection capability permits large image projection, even in small spaces.

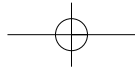
## QUIET PLEASE

The XEED SX50 is a lot quieter too, due to a more efficient illumination system, which means less cooling is required.

## BE IN TOTAL CONTROL

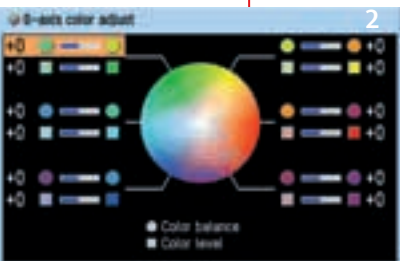
The remote control is designed to make ease-of-use a top priority. Its illuminated buttons are grouped for simple operating and even includes a spotlight function to draw the audience's attention to a specific place on the presentation screen.





# Intelligent images.

Whatever presentations you have in mind the image modes available with the XEED SX50 will help bring them to life.



1. Image before using colour adjustment
2. 6-Axis Colour Adjustment Function
3. Image after using colour adjustment

## PRESENTATION MODES

To provide you with the best balance of image settings for each style of presentation, the XEED SX50 has easily selectable modes. Standard Mode provides the perfect balance of settings for every-day use. Dynamic Mode outputs the maximum light quantity possible with respect to the other projector settings. Cinema Mode is perfectly suited for enjoying movies, 'stretching' the black end of the gamma curve to bring out more detail in the dark areas, and shifting white balance to provide a warmer hue. The final of the four modes available is sRGB, which sets colours to the standard sRGB colours. As a standard colour space, sRGB provides consistency with other sRGB compliant systems, so you can be confident colours are reproduced accurately.

## PROGRESSIVE SCANNING

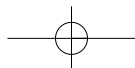
Progressive Scanning will help you produce a vivid picture and give your audience optimum viewing. By creating smoother movement, clear diagonal lines and super-sharp titles, it is perfect for film, video and even High Definition images.

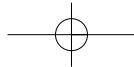
## CUSTOMISE YOUR COLOURS

The Customisable Image Registration enables you to manually control specific hues of colour while keeping images razor sharp. 6-axis colour adjustment enables individual adjustment for each of RGB and CMY colours, for precise and complete control over colour specification – a must for any design company.



4. Interlaced Scanning
5. Flicker-free Progressive Scanning





# Complete Connectivity.

The advanced connectivity available with the XEED SX50 means you can easily connect and project.

The advanced connectivity available with the XEED SX50 means you can easily connect and project information from just about any device you might think of - whether it is your laptop, a VCR, DVD player or any other multi-media device. HD is supported through both the DVI and the Component Video connectors found on the side

of the unit. XEED SX50 will project a full 720p HD without the need for image compression. The analogue RGB Out is ideal for external monitor connection and projection. You can also customise your XEED SX50 to project your own personal logo at the start of your session, for a professional start to every presentation.

## IMAGE

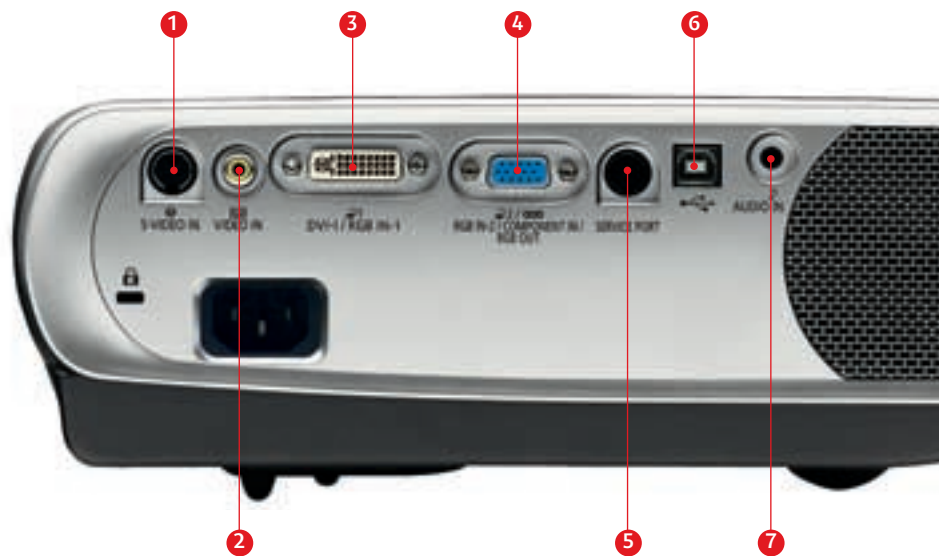
- 1. S-terminal mini DIN4**  
S-video
- 2. RCA 1**  
Composite video
- 3. DVI-I (29-pin)**  
Digital RGB  
Analogue RGB
- 4. Mini Dsub15**  
Analogue RGB  
Component video  
Analogue RGB output

## CONTROL

- 5. Service Port**  
Projector control
- 6. USB Port**  
Mouse control

## AUDIO

- (The built-in speaker provides only mono output.)
- 7. Mini-pin jack (in)**  
Stereo



## Accessories.

Canon's genuine projector accessories include a remote control unit and various input and output cables for connection to different devices or for use with the wireless mouse function. An optional Ceiling Attachment is also available for more permanent projector installation.

### OPTIONAL ACCESSORIES



Replacement Lamp



Ceiling Attachment

### INBOX ACCESSORIES



Remote Controller



Soft Case



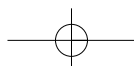
Computer Connection Cable



Component Cable



USB Cable



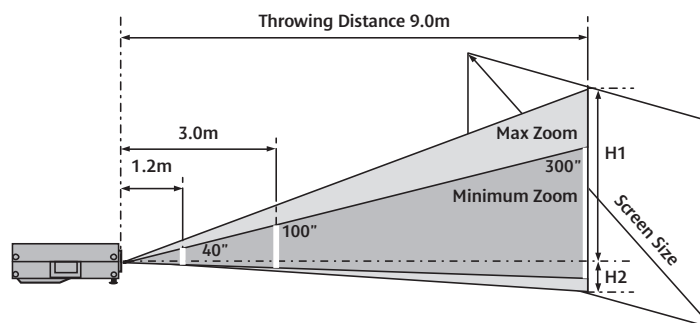


## Specifications XEED SX50

<b>TYPE</b> Product Type Product Class Imaging Device	Projector Ultra portable Reflective LCD panel
<b>LCD PANEL</b> Driving System Size, Number Number of Pixels	Active matrix 0.7 type, aspect ratio 4:3, 3 panels 1,470,000 (1400 x 1050, SXGA+)
<b>OPTICS</b> System Light Source Projection Lens Configuration F Number, Focal Length Zoom, Focus Lens Shift	Dichroic mirror/PBS colour separating and mixing 200 W UHP 11 groups 12 elements F1.85 - 2.5, f=22.0 - 37.0mm 1.7x hand-operated, hand-operated 9:1 fixed
<b>IMAGES</b> Brightness Uniformity Contrast Ratio Projection Distance Coverage Screen Size Digital Zoom Keystone Correction Range	2500 Lumens (Silent Mode 2000 Lumens) 85% 1000:1 (all white: all black) 1.2 to 9.0m (100": 3.0 to 5.1 m) 40" (0.81 x 0.61m) to 300" (6.10 x 4.57m) 1-x144 (area ratio) ±20 degrees up/down direction ±20 degrees right/left direction
<b>IMAGES SIGNALS</b> Digital RGB Analog RGB Composite/S-video	D-SXGA+/D-SXGA/D-XGA/D-SVGA/D-VGA UXGA (compressed)/SXGA+/SXGA/XGA/SVGA/VGA NTSC/PAL/SECAM/NTSC4.43/PAL-M/PAL-N

<b>IMAGES SIGNALS</b> Component Scan Frequency	1080i/1035i/720p/575p/575i/480p/480i H: 15 to 100 kHz, V: 50 to 100 Hz, Dot clock: 170 MHz
<b>MECHANICS</b> Adjustment Foot Built-in Speaker	To slant body with max 10° 1 W, monaural
<b>CONNECTORS</b> DVI-I DVI HDCP Mini D-sub15  RCA x1 (for image) S Terminal (mini DIN4) Stereo Mini Jack USB Connector Service Port (mini DIN8)	Analogue RGB input /Digital RGB input NO Analogue RGB input/Component input/ Analogue RGB output Composite input S-video input Stereo audio input Mouse control Projector control
<b>RATING</b> Dimensions Mass Rated Supply Voltage Power Consumption Noise Ambient Temperature Range Storage Temperature Range Warranty	W:284mm, D:286mm, H:96mm 3.9kg AC100 to 240 V; 50/60 Hz 280W (Silent Mode 220W) 37dBA (Silent Mode 34dBA) 5 to 35°C -10 to 60°C 3 years (90 days for lamp)
Some images are simulated for clarity of reproduction. All data is based on Canon's standard testing methods. Specifications are subject to change without notice. ™ and ®: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.	

TRUE THROWING DISTANCE							
Screen Size							
inches	40"	100"	150"	176"	200"	300"	
cm	81 x 61	203 x 152	305 x 229	358 x 268	406 x 305	610 x 457	
Projection Distance							
Zoom min	1.2m	3.0m	4.5m	5.3m	6.0m	9.0m	
Zoom max	2.0m	5.1m	7.7m	9.0m	-	-	
H1	55cm	137cm	206cm	241cm	274cm	411cm	
H2	6cm	15cm	23cm	27cm	31cm	46cm	



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