



PROJECTORS FOR AV PROFESSIONALS

Canon

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REALiS PROJECTOR TECHNOLOGY REDEFINES IMAGE QUALITY

Advanced Technology That Supports The Exacting Needs Of Professionals

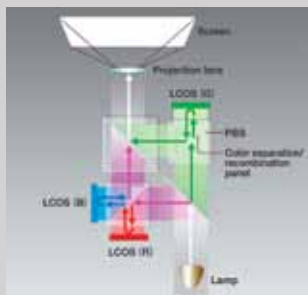
Canon has created the REALiS line of multimedia projectors to meet the exacting demands of professionals in fields ranging from medical education to the fine arts. Used everywhere from corporate boardrooms and conference rooms to classrooms, photo galleries, and houses of worship, from the largest venues to the most intimate spaces, REALiS projectors are equipped with the technology professionals need to succeed. Incorporating LCOS (Liquid Crystal on Silicon) technology, genuine Canon optics and Canon's high-accuracy color management system built into our patented AISYS (Aspectual Illumination System) Optical Engine, Canon REALiS projectors are able to reproduce even the most subtle hues and color gradations. High resolution, bright illumination and quiet performance deliver compelling presentations that get the job done. For optimum performance, true-to-life color reproduction, razor-sharp clarity, and outstanding brightness, professionals choose REALiS.

The LCOS Advantage

LCOS (Liquid Crystal On Silicon) is one of the leading projector technologies because of its ability to produce lattice-free, seamless image reproduction with realistic colors and intricate detail down to the smallest text. Thanks to the fast response time of LCOS panels, smooth film-like video also leaps off the screen with impressive quality and integrity. The advantages of LCOS are easy to see for presenter and audience alike: images and video with rich color, deep contrast and sharp resolution.

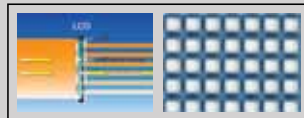
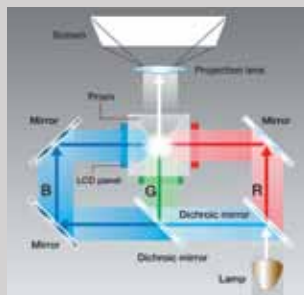
Comparing Technologies

LCOS Projector (Three-Panel)



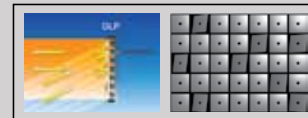
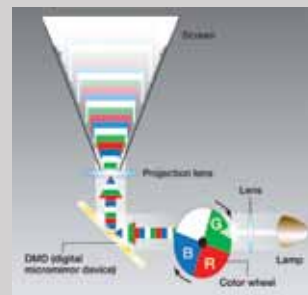
Light from the projector lamp is separated into red, green and blue, and then reflected from each of the three LCOS panels. The separated light is then recombined by the polarized beam splitter. Since the light is reflecting from the LCOS panels, there is virtually no "screen door effect".

LCD Projector (Three-Panel)



Light from the projector lamp is separated into red, green and blue, then passed through each of the three LCD panels. The separated light is then recombined by a prism. Since the light passes through the LCD panels it tends to create a lattice-like pattern known as the "screen door effect".

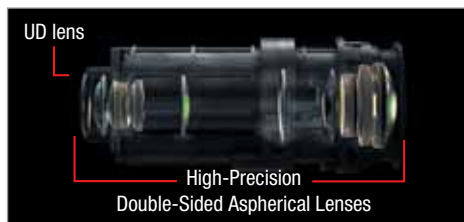
DLP Projector (Single-Chip)



A constantly rotating color wheel reflects red, green, blue, and white image components off a micro-mirror device to produce the projected image. The three primary colors are sequentially displayed and synthesized in the viewer's brain to produce images perceived as full color.

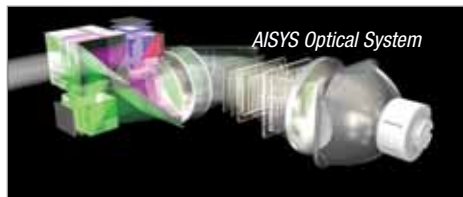
Genuine Canon Optics

Genuine Canon REALiS projection lenses are engineered to maximize the resolution, clarity, color-accuracy, and overall display performance. Many Canon REALiS projector lenses integrate optical technologies developed for Canon's industry-leading EOS cameras, including aspheric lens elements for very low distortion and Ultra Low Dispersion (UD) elements to reduce chromatic aberration.



The AISYS Optical Engine

Canon's proprietary AISYS Optical Engine enhances image quality by maximizing the performance of the LCOS panels, and efficiently utilizes and equalizes light from the lamp. This results in outstanding brightness, high contrast and



exceptional color reproduction. Designed for optimal performance at a minimal size, the AISYS Optical Engine also allows for compact, lightweight, cost-effective projectors.

Canon continues to improve the optical elements incorporated into the AISYS Optical Engine. The uniformity of light has been enhanced to further optimize image quality, and the Polarizing Beam Splitters (PBS) which are integral parts of the color separation and recombination system have been redesigned to achieve more precise light control. REALiS projectors have established the standard in bright, beautiful, high-definition, high-contrast images.

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For more info:
1-800-OK-CANON (1-800-652-2666)
usa.canon.com/projectors

Interchangeable Lenses

Canon offers a choice of Pro AV Series interchangeable high-resolution projection lenses for its line of REALiS Pro AV Installation Series projectors. These lenses are designed to deliver high-quality imagery and installation flexibility, with a wide range of throw distances and other optical performance characteristics to suit many different projection environments.



Proprietary Color Management

Canon's Color Management System (CMS) ensures accurate color reproduction for an extended color space, while simultaneously compensating for color variances due to lighting differences. The result is true HD-quality color even in the toughest conditions. Professional image-makers can rely on REALiS projectors to deliver crucial color integrity.

Rich Blacks

Precise control prevents the excess leakage of light, producing rich, detailed gradations even in the shadowed portions of images. Depth and dimension are reproduced with all the drama and realism of the source material.

Adobe RGB Color Match System

Proprietary color filters incorporated into the AISYS Optical Engine deliver exceptional accuracy and detail in both Adobe RGB and sRGB modes (only available on select models). This is ideal for professional photography, design, publishing, printing and fine art, where color integrity is key.

6-Axis Color Adjustments

REALiS projectors offer a 6-Axis Color Adjustment function that allows both hue and saturation adjustments independent of RGB and CMYK color axes. This feature is ideal for professionals with very demanding color requirements.

Versatile Performance

DICOM Simulation Mode

The DICOM Simulation Mode available in select REALiS "D" projectors is ideal for those in the medical education field. Images such as X-rays, CAT scans and MRIs can be faithfully projected in a clear gray scale tone similar to the DICOM (Digital Imaging and Communications in Medicine) standard. 21 tone settings allow users to accommodate various ambient lighting conditions.*



*REALiS "D" projectors are not cleared or approved for medical diagnosis and should not be used for these purposes.

Customer First



"Triple P" Program











Canon's Projector Protection Program, also known as "Triple P," is a service program that provides a loaner projector of equal or greater quality in the event that a repair must be made.

- ▶ Free to any buyer within the 3-year new product limited warranty
- ▶ Canon Customer Support Center toll-free hotline: 1-800-828-4040
- ▶ Customer Service Hours: 8 a.m. to midnight, Monday - Friday and 10 a.m. to 8 p.m., Saturday EST
- ▶ For next business day delivery of loaner projector(s), a Customer Activation Form must be received by Canon Customer Support Center by 3 p.m. EST (Monday - Friday)
- ▶ Customer must provide a valid credit card as security for the loaner unit
- ▶ Delivery not available on Saturday and Sunday
- ▶ Program available for products purchased and utilized in the U.S.A. only
- ▶ Applies to Canon Multimedia Projectors only
- ▶ Loaner unit based on availability
- ▶ Program subject to change at any time without any given notice

Canon



2014 REALiS LCOS PROJECTOR LINE-UP

REALiS Pro AV	Installation	<p>REALiS WUX4000 / REALiS WUX4000 D</p> <p>WUXGA (1920 x 1200)</p>  <p>High Resolution Installation</p> <ul style="list-style-type: none"> ▶ 4000 Lumens ▶ WUXGA Resolution (1920 x 1200) ▶ Optional Interchangeable Genuine Canon Lenses (projector does not ship with lens) ▶ REALiS WUX4000 D features DICOM® Simulation Mode 	<p>REALiS WUX5000 / REALiS WUX5000 D</p> <p>High Resolution Installation</p>  <ul style="list-style-type: none"> ▶ 5000 Lumens ▶ WUXGA Resolution (1920 x 1200) ▶ Optional Interchangeable Genuine Canon Lenses (projector does not ship with lens) ▶ REALiS WUX5000 D features DICOM® Simulation Mode 	
	<p>REALiS WX6000 / REALiS WX6000 D</p> <p>High Brightness Installation</p>  <ul style="list-style-type: none"> ▶ 5700 Lumens ▶ WXGA+ Resolution (1440 x 900) ▶ Optional Interchangeable Genuine Canon Lenses (projector does not ship with lens) ▶ REALiS WX6000 D features DICOM® Simulation Mode 			
	<p>REALiS SX6000 / REALiS SX6000 D</p> <p>High Brightness Installation</p>  <ul style="list-style-type: none"> ▶ 6000 Lumens ▶ SXGA+ Resolution (1400 x 1050) ▶ Optional Interchangeable Genuine Canon Lenses (projector does not ship with lens) ▶ REALiS SX6000 D features DICOM® Simulation Mode 			
Compact Installation	<p>REALiS WUX400ST / REALiS WUX400ST D</p> <p>WUXGA (1920 x 1200)</p>  <p>Short Throw Compact Installation</p> <ul style="list-style-type: none"> ▶ 4000 Lumens ▶ WUXGA Resolution (1920 x 1200) ▶ 0.56:1 Throw Ratio ▶ Lens Shift: V: 0-75% / H: ±10% ▶ REALiS WUX400ST D features DICOM® Simulation Mode 	<p>REALiS WUX450 / REALiS WUX450 D</p> <p>High Resolution Compact Installation</p>  <ul style="list-style-type: none"> ▶ 4500 Lumens ▶ WUXGA Resolution (1920 x 1200) ▶ 1.39-2.51:1 Throw Ratio ▶ Fixed f/2.8 Aperture Lens ▶ REALiS WUX450 D features DICOM® Simulation Mode 		
	<p>REALiS WX450ST / REALiS WX450ST D</p> <p>Short Throw Compact Installation</p>  <ul style="list-style-type: none"> ▶ 4500 Lumens ▶ WXGA+ Resolution (1440 x 900) ▶ 0.57:1 Throw Ratio ▶ Lens Shift: V: 0-77% / H: ±10% ▶ REALiS WX450ST D features DICOM® Simulation Mode 	<p>REALiS WX520 / REALiS WX520 D</p> <p>High Brightness Compact Installation</p>  <ul style="list-style-type: none"> ▶ 5200 Lumens ▶ WXGA+ Resolution (1440 x 900) ▶ 1.43-2.57:1 Throw Ratio ▶ Fixed f/2.8 Aperture Lens ▶ REALiS WX520 D features DICOM® Simulation Mode 		
		4000 Lumens	5000 Lumens	6000 Lumens
REALiS Portable	<p>REALiS SX80 Mark II / REALiS SX80 Mark II D</p> <p>SXGA+ (1400 x 1050)</p>  <p>Affordable High Performance</p> <ul style="list-style-type: none"> ▶ 3000 Lumens ▶ SXGA+ Resolution (1400 x 1050) ▶ 1:48-2:18:1 Throw Ratio ▶ REALiS SX80 Mark II D features DICOM® Simulation Mode 	<p>REALiS SX7 Mark II / REALiS SX7 Mark II D</p> <p>Astounding Color Reproduction</p>  <ul style="list-style-type: none"> ▶ 4000 Lumens ▶ SXGA+ Resolution (1400 x 1050) ▶ 1:46-2:43:1 Throw Ratio ▶ REALiS SX7 Mark II D features DICOM® Simulation Mode 		
	3000 Lumens	4000 Lumens		

For more info:
1-800-OK-CANON (1-800-652-2666)
pro.usa.canon.com



The REALiS WUX5000 D, REALiS WUX4000 D, REALiS WX6000 D, REALiS SX6000 D, REALiS WX520 D, REALiS WUX450 D, REALiS WUX400ST D, REALiS WX450ST D, REALiS WUX10 Mark II D, REALiS SX7 Mark II D, and REALiS SX80 Mark II D projectors are not cleared or approved for medical diagnosis and should not be used for these purposes.



2014 LCD/DLP PROJECTOR LINE-UP

LCD/DLP PORTABLE

WXGA
(1280 x 800)



- LE-5W**
Ultra-Portable LED Projector
- ▶ 500 Lumens
 - ▶ WXGA Resolution (1280 x 800)
 - ▶ 1.2:1 Throw Ratio
 - ▶ 3000:1 Contrast Ratio
 - ▶ 20,000 Hours Life LEDs
 - ▶ HDMI Digital Input
 - ▶ Quick On and Off
 - ▶ "PC Free" presentations
 - ▶ Built-in 2.5 watt Stereo Speakers



- LV-8235 UST**
Ultra-Short Throw Projector
- ▶ 2500 Lumens
 - ▶ WXGA Resolution (1280 x 800)
 - ▶ Display 80 inch image from only 1.05 feet away
 - ▶ HDMI Digital Input
 - ▶ 2000:1 Contrast Ratio



- LV-8320**
Wide-Screen Display
- ▶ 3000 Lumens
 - ▶ WXGA Resolution (1280 x 800)
 - ▶ 1.6x Optical Zoom
 - ▶ HDMI Digital Input
 - ▶ 2000:1 Contrast Ratio
 - ▶ Up to 5,000 Hours Lamp Life
 - ▶ Up to 5,500 Hours Filter Life
 - ▶ RJ-45 Network Connectivity (control only)



- LV-8227A**
Wide-Screen Display
- ▶ 2500 Lumens
 - ▶ WXGA Resolution (1280 x 800)
 - ▶ 1.2x Optical Zoom
 - ▶ HDMI Digital Input
 - ▶ 3000:1 Contrast Ratio
 - ▶ Up to 6,000 Hours Lamp Life
 - ▶ Up to 5,500 Hours Filter Life

XGA
(1024 x 768)



- LV-7490**
High Brightness
- ▶ 4000 Lumens
 - ▶ XGA Resolution (1024 x 768)
 - ▶ 1.2x Optical Zoom
 - ▶ 2000:1 Contrast Ratio
 - ▶ Up to 5,000 Hours Lamp Life
 - ▶ Up to 5,500 Hours Filter Life
 - ▶ 10W Built-in Speaker



- LV-7392A**
Advanced Portable
- ▶ 3000 Lumens
 - ▶ XGA Resolution (1024 x 768)
 - ▶ 1.2x Optical Zoom
 - ▶ HDMI Digital Input
 - ▶ 2000:1 Contrast Ratio
 - ▶ Up to 6,000 Hours Lamp Life
 - ▶ Up to 5,500 Hours Filter Life
 - ▶ 10W Built-in Speaker



- LV-7297M**
Affordability & Reliability
- ▶ 2600 Lumens
 - ▶ XGA Resolution (1024 x 768)
 - ▶ 1.2x Optical Zoom
 - ▶ HDMI Digital Input
 - ▶ 500:1 Contrast Ratio
 - ▶ Up to 6,000 Hours Lamp Life
 - ▶ Up to 5,500 Hours Filter Life
 - ▶ 1W Built-in Speaker



- LV-7292M**
Affordability & Reliability
- ▶ 2200 Lumens
 - ▶ XGA Resolution (1024 x 768)
 - ▶ 1.2x Optical Zoom
 - ▶ HDMI Digital Input
 - ▶ 500:1 Contrast Ratio
 - ▶ Up to 6,000 Hours Lamp Life
 - ▶ Up to 5,500 Hours Filter Life
 - ▶ 1W Built-in Speaker

500 Lumens

2000 Lumens

3000 Lumens

4000 Lumens

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REALiS WUX5000 / WUX4000 PRO AV INSTALLATION LCOS PROJECTORS

Pro Performance

The REALiS WUX5000 and REALiS WUX4000 Pro AV Projectors are designed to display bright, high-resolution WUXGA (1920 x 1200) widescreen 16:10 video and still images in larger-venue environments. Rated at 5000 and 4000 lumens respectively, the REALiS WUX5000 and REALiS WUX4000 employ Canon's advanced AISYS-enhanced LCOS technology for vivid, seamless images with intricate detail, accurate color, crisp contrast, sharp blacks, and HD video with more natural motion. Built-in Canon Color-Correction IC, 3D color LUT (look-up table), dynamic gamma, and memory color-correction combine to provide advanced color refinements. These projectors offer a choice of interchangeable Genuine Canon lenses which include a 1.5x Standard Zoom, 0.8x Ultra Wide-Angle, 1.7x Long Focus Zoom, 1.95x Ultra Long Focus Zoom, and 1.5x Short Focus Zoom Lens – to suit a variety of applications and environments. In addition, a motorized lens shift feature can compensate for moderate projector-placement obstacles and provide installation convenience.



Key Features

- ▶ Native WUXGA (1920 x 1200) Resolution
- ▶ AISYS-Enhanced LCOS Technology
- ▶ 5000 Lumens / 4000 Lumens
- ▶ 1000:1 Contrast Ratio
- ▶ Motorized Lens Shift, Zoom, and Focus
- ▶ Full 10-Bit Color
- ▶ Versatile Connectivity (HDMI Version 1.3 and DVI-D)
- ▶ Optional Interchangeable Genuine Canon Lenses
- ▶ WUX5000 D / WUX4000 D features
- ▶ DICOM Simulation Mode



WUXGA resolution shows a significantly larger display area, delivering razor-sharp precision in projected images.

Recommended For:

- ▶ Educational Institutions
- ▶ Corporate Boardrooms
- ▶ Conference Centers
- ▶ Houses of Worship
- ▶ Government Offices
- ▶ Museums
- ▶ Photo Studios / Galleries

REALiS WUX5000 / WUX4000

Canon



REALiS WUX5000 / WUX4000 PRO AV INSTALLATION LCOS PROJECTORS

PRODUCT NAME: REALiS WUX5000 / REALiS WUX4000 ITEM CODE: 5748B002 / 4964B002 UPC CODE: 013803142549 / 013803131642

SPECIFICATIONS

PRODUCT NAME		WUX5000	WUX4000
BASIC	IMAGING DEVICE	0.7" LCOS Reflective LCD panels x 3	
	ASPECT RATIO	16:10	
	NATIVE RESOLUTION	1920 x 1200 (WUXGA)	
	BRIGHTNESS (LUMENS)	5000 (Normal)	4000 (Normal), 3500 (Quiet)
	UNIFORMITY	88%	
	CONTRAST RATIO	1000:1	
	KEYSTONE CORRECTION	VERTICAL	-11° ~ +20° for Standard Zoom Lens ±20° for Long Focus Zoom Lens
HORIZONTAL		±13° for Fixed Short Focus Lens ±20° for Standard and Long Focus Zoom Lenses / Ultra Wide-Angle Lens	
IMAGE ADJUSTMENTS	IMAGE MODES	PC: Standard, Presentation, Vivid Photo, Photo'sRGB, User 1-5 Video: Standard, Dynamic, Photo'sRGB, Video, Cinema, User 1-5	
	MOUNTING	Ceiling, Rear, Rear-Ceiling, Upwards, Downwards	
	TILT ANGLE	Adjustable feet up to 6 degrees	
INPUT SIGNALS	DIGITAL PC INPUT	WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA	
	ANALOG PC INPUT	WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA	
	SCANNING FREQUENCY	H:15~ 75 kHz, V: 50 ~ 85 KHz	
	DIGITAL VIDEO INPUT	1080p / 1080i / 720p / 576p / 480p	
	COMPONENT INPUT	1080p / 1080i / 720p / 576p / 576i / 480p / 480i	
TERMINALS	INPUTS	DVI-D	Analog PC / Digital PC Input
		HDMI	Version 1.3 Deep Color / Digital PC / Digital Video Input
		MINI D-SUB 15PIN	Analog PC / Component Video Input
	CONTROL	MINI JACK	Stereo Input x 2 / Stereo Output x 1
		USB TYPE A	USB Connection
		D-SUB 9 PIN	RS-232C Control
	RJ-45	Network (100BASE-TX / 10BASE-T)	
BUILT-IN SPEAKER	5W (Mono)		
LAMP	TYPE	330W NSH (AC)	310W NSH (AC)
	LIFE	3000 (Normal)	3000 (Normal), 4000 (Quiet)
REMOTE CONTROL	SENSOR	Wireless Infrared, Front/Back	
RATINGS	FAN NOISE	CONSUMPTION	40dB (Normal) / 39dB (Normal), 36dB (Quiet)
		VOLTAGE	450W (Normal) / 410W (Normal), 365W (Quiet)
	TEMPERATURE	OPERATING	AC100 ~ 240V, 50 / 60 Hz
		STORAGE	41° to 95° F (5° to 35° C)
	DIMENSIONS (W x D x H)	14° to 140° F (-10° to 60° C)	-22° to 104° F (-30° to 60° C), 5%RH ~ 90%RH
	WEIGHT	15.0" x 16.9" x 6.7" (including protruding parts, without lens) / 15.0" x 16.9" x 6.7" (including protruding parts, without lens)	
PACKAGING	BOX	DIMENSIONS (L x W x H)	18.7 lbs (without lens)
		WEIGHT	21.30" x 19.60" x 11.80"
	PALLET	DIMENSIONS (L x W x H)	25.20 lbs
		WEIGHT	21.30" x 19.60" x 11.80"

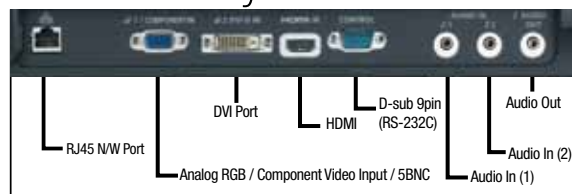
OPTIONAL ACCESSORIES

Item Code No.	Description
4966B001	Standard Zoom Lens RS-IL01ST
4967B001	Long Focus Zoom Lens RS-IL02LZ
4968B001	Ultra Wide-Angle Lens RS-IL03WF
6064B001	Ultra Long Focus Zoom Lens RS-IL04UL
8168B001	Short Focus Zoom Lens RS-IL05WZ
5017B001	Replacement Lamp RS-LP07
4971B001	Replacement Air Filter RS-FL01
5750B001	Wired Remote Controller RS-RC05
4969B001	Ceiling Mount RS-CL11
3096B001	Ceiling Extension RS-CL08 (16" ~ 24")
3097B001	Ceiling Extension RS-CL09 (24" ~ 39")
5471B001	Top Cover RS-TC01 (Dark Grey)

Optional Interchangeable Lenses

A series of high-resolution Genuine Canon interchangeable lenses are available for REALiS Pro AV Installation Projectors. These include a 1.5x Standard Zoom Lens, 0.8x Ultra Wide Angle Lens, 1.7x Long Focus Zoom Lens, 1.95x Ultra Long Focus Zoom Lens and 1.5x Short Focus Zoom Lens. All lenses incorporate advanced low-distortion and high-resolution optical technologies originally developed for Canon's EOS DSLR camera lenses.

Connectability



WHAT'S IN THE BOX

- Projector
- Remote Control (AAA batteries x2)
- Warranty Card
- Power Cord
- User's / Installation Manual (CD)
- VGA-VGA Computer Cable

OPTIONAL LENS SPECIFICATIONS

PRODUCT NAME		WUX5000	WUX4000
5 LENS OPTIONS	RS-IL01ST STANDARD ZOOM LENS	THROW RATIO	1.49 - 2.24:1
		PROJECTION LENS	F1.89 - 2.65 / f= 23.0 - 34.5 mm
		ZOOM	1.5x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	40" - 600"
	LENS SHIFT*	(Vertical) Down 15% - Up 55% / (Horizontal) Left 10% - Right 10%	
	PROJECTION DISTANCE	4.3 - 95.1 ft (1.3 - 29 m) / 100": 10.5 - 15.7 ft (3.2 - 4.8 m)	
	RS-IL02LZ LONG FOCUS ZOOM LENS	THROW RATIO	2.19 - 3.74:1
		PROJECTION LENS	F1.99 - 2.83 / f= 34.0 - 57.7 mm
		ZOOM	1.7x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	40" - 600"
	LENS SHIFT*	(Vertical) Down 15% - Up 55% / (Horizontal) Left 10% - Right 10%	
	PROJECTION DISTANCE	6.2 - 159.1 ft (1.9 - 48.5 m) / 100": 15.4 - 26.2 ft (4.7 - 8.0 m)	
	RS-IL03WF ULTRA WIDE-ANGLE LENS	THROW RATIO	0.8:1
		PROJECTION LENS	F2.0 / f= 12.8 mm
		ZOOM	Fixed
		FOCUS	Powered
		SCREEN SIZE	40" - 300"
	LENS SHIFT*	(Vertical) Down 5% - Up 5% / (Horizontal) Left 2% - Right 2%	
	PROJECTION DISTANCE	2.2 - 17.1 ft (0.7 - 5.2 m) / 100": 5.6 ft (1.7 m)	
	RS-IL04UL ULTRA LONG FOCUS ZOOM LENS	THROW RATIO	3.76 - 7.35:1
		PROJECTION LENS	F2.34 - 2.81 / f= 53.6 - 105.6 mm
		ZOOM	1.95x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	60" - 600"
	LENS SHIFT*	(Vertical) Down -15% - Up 55% / (Horizontal) Left -10% - Right 10%	
	PROJECTION DISTANCE	15.1 - 292.0 ft (4.6 - 89 m) / 100": 24.9 - 48.9 ft (7.6 - 14.9 m)	
	RS-IL05WZ SHORT FOCUS ZOOM LENS	THROW RATIO	1.00 - 1.50:1
		PROJECTION LENS	F2.09 - 2.34 / f= 15.56 - 23.34 mm
		ZOOM	1.5x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	40" - 600"
	LENS SHIFT*	(Vertical) Down 15% - Up 55% / (Horizontal) Left 10% - Right 10%	
	PROJECTION DISTANCE	2.95 - 63.98 ft (0.9 - 19.5m) / 100": 7.22 - 10.5 ft (2.2 - 3.2m)	



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For more info:
1-800-OK-CANON (1-800-652-2666)
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*The maximum upward shift and the maximum horizontal shift cannot be used simultaneously.



REALiS WX6000 PRO AV INSTALLATION LCOS PROJECTOR

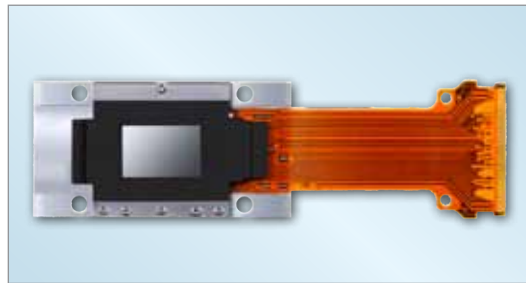
Next-Generation Imaging Quality

Full 16:10 aspect ratio display of widescreen imagery from laptop and desktop computers – and from Blu-ray players and other high definition sources connected via handy HDMI 1.3 or DVI-I connectors – is easily accomplished using the REALiS WX6000 Pro AV Projector. Equipped with new LCOS (Liquid Crystal on Silicon) display panels featuring an improved pixel-spacing aperture ratio of 96% for seamless imagery – and enhanced by Canon's revolutionary AISYS (Aspectual Illumination System) optical technology – the REALiS WX6000 displays exceptional 5700 lumen video and still images at WXGA+ (1440 x 900) resolution. Added advantages to the WX6000's advanced imaging technologies include better white balance, improved reliability and durability, and outstanding energy efficiency. Advanced color tools (6-axis Color Adjustment, Color Correction IC, and 3D Color LUT) also help provide high color reproducibility and user control.



Key Features

- ▶ Native WXGA+ (1440 x 900) Resolution
- ▶ AISYS-Enhanced LCOS Technology
- ▶ 5700 Lumen Brightness
- ▶ 1000:1 Contrast Ratio
- ▶ LCOS Panel with 96% Aperture Ratio
- ▶ Motorized Lens Shift, Zoom, and Focus
- ▶ Outstanding Energy Efficiency
- ▶ Optional Interchangeable Genuine Canon Lenses



New 96% aperture ratio LCOS panels help provide seamless imagery and also offer increased burn-in resistance.

Recommended For:

- ▶ Higher Education
- ▶ Houses of Worship
- ▶ Museums
- ▶ Conference Centers
- ▶ Engineering Labs
- ▶ Government and Military
- ▶ Photo Studios/Galleries

REALiS WX6000

Canon



REALiS WX6000 PRO AV INSTALLATION LCOS PROJECTOR

PRODUCT NAME: REALiS WX6000 ITEM CODE: 5757B002 UPC CODE: 013803142686

SPECIFICATIONS

BASIC	IMAGING DEVICE	0.70" LCOS Reflective LCD panels x 3		
	ASPECT RATIO	16:10		
	NATIVE RESOLUTION	1440 x 900 (WXGA+)		
	BRIGHTNESS	5700 Lumens		
	UNIFORMITY	88%		
	CONTRAST RATIO	1000:1		
KEYSTONE CORRECTION	VERTICAL	± 20°		
	HORIZONTAL	± 20°		
IMAGE ADJUSTMENTS	IMAGE MODE	Standard, Presentation, Vivid Photo, Photo/sRGB, Dynamic, Video, Cinema, User 1-5		
	MOUNTING	Ceiling, Rear, Rear-Ceiling, Upward, Downward		
	TILT ANGLE	Adjustable feet up to 6 degrees		
INPUT SIGNALS	DIGITAL PC INPUT	UXGA / WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA		
	ANALOG INPUT	LXGA / WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA		
	SCANNING FREQUENCY	H Freq. 15.625-75 KHz V Freq. 50-60.317 Hz Max dot clock 162 MHz		
	DIGITAL VIDEO INPUT	1080p / 1080i / 720p / 576p / 480p		
	COMPONENT INPUT	1080p / 1080i / 720p / 576p / 576i / 480p / 480i		
TERMINALS	INPUT	DVI-I 29PIN	Analog PC / Digital PC input	
		HDMI	Version 1.3 Deep Color Digital PC / Digital Video Input	
		MINI D-SUB 15PIN	Analog PC / Component Video Input	
		MINI JACK	Stereo Input x 2	
	CONTROL	MINI JACK	Wired remote control connection x1	
		D-SUB 9 PIN	RS-232C Control	
		RJ-45	Network (100BASE-TX / 10BASE-T)	
BUILT-IN SPEAKER	5W (Mono)			
LAMP	TYPE	330W NSH (AC)		
	LAMP LIFE	3000 Hours		
REMOTE CONTROL	SENSOR	Wireless Infrared, Front/Back Wired Remote Control Connection		
RATINGS	FAN NOISE	40dB		
	POWER	CONSUMPTION	435W / 1.7W (Standby) / 0.35W (Standby with LAN off)	
		VOLTAGE	AC100 ~ 240V, 50 / 60 Hz	
	TEMPERATURE	OPERATING	41° to 95° F (5° to 35° C) 85% RH or less	
		STORAGE	14° ~ 140° F (-10° ~ 60° C)	
	DIMENSIONS (W X D X H)	15.0" x 16.9" x 6.7" (including protruding parts, without lens)		
WEIGHT	18.7 lb. (without lens)			

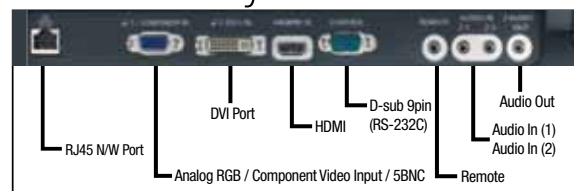
OPTIONAL ACCESSORIES

Item Code No.	Description
4966B001	Standard Zoom Lens RS-IL01ST
4967B001	Long Focus Zoom Lens RS-IL02LZ
4968B001	Ultra Wide-Angle Lens RS-IL03WF
6064B001	Ultra Long Focus Zoom Lens RS-IL04UL
8168B001	Short Focus Zoom Lens RS-IL05WZ
5017B001	Replacement Lamp RS-LP07
4971B001	Replacement Air Filter RS-FL01
5750B001	Remote Controller RS-RC05 (With Wired Connection Option)
4969B001	Ceiling Mount RS-CL11
3096B001	Ceiling Extension RS-CL08 (16" ~ 24")
3097B001	Ceiling Extension RS-CL09 (24" ~ 39")
5471B001	Top Cover RS-TC01 (Dark Grey)

Optional Interchangeable Genuine Canon Lenses

A series of high-resolution Genuine Canon interchangeable lenses are available for REALiS Pro AV Installation Projectors. These include a 1.5x Standard Zoom Lens, 0.8x Ultra Wide Angle Lens, 1.7x Long Focus Zoom Lens, 1.95x Ultra Long Focus Zoom Lens and 1.5x Short Focus Zoom Lens. All lenses incorporate advanced low-distortion and high-resolution optical technologies originally developed for Canon's EOS DSLR camera lenses.

Connectability



OPTIONAL LENS SPECIFICATIONS

PRODUCT NAME		WX6000	
5 LENS OPTIONS	RS-IL01ST STANDARD ZOOM LENS	THROW RATIO	1.62 - 2.43:1
		PROJECTION LENS	F1.89 - 2.65 / f= 23.0 - 34.5 mm
		ZOOM	1.5 x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	40" to 600"
	LENS SHIFT*	(Vertical) Down 15% ~ Up 55% / (Horizontal) Left 10% ~ Right 10%	
	PROJECTION DISTANCE	4.3 - 97.4 ft (1.3 - 29.7 m), 100": 10.8 - 16.1 ft (3.3 - 4.9 m)	
	RS-IL02LZ LONG FOCUS ZOOM LENS	THROW RATIO	2.38 - 4.06:1
		PROJECTION LENS	F1.99 - 2.83 / f= 34.0 - 57.7 mm
		ZOOM	1.7 x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	40" to 600"
	LENS SHIFT*	(Vertical) Down 15% ~ Up 55% / (Horizontal) Left 10% ~ Right 10%	
	PROJECTION DISTANCE	6.2 - 163.1 ft (1.9 - 49.7 m), 100": 15.7 - 27.2 ft (4.8 - 8.3 m)	
	RS-IL03WF ULTRA WIDE-ANGLE LENS	THROW RATIO	0.87:1
		PROJECTION LENS	F2.0 / f= 12.8 mm
		ZOOM	Fixed
		FOCUS	Powered
		SCREEN SIZE	40" to 300"
	LENS SHIFT*	(Vertical) Down 5% ~ Up 5% / (Horizontal) Left 2% ~ Right 2%	
	PROJECTION DISTANCE	2.3 - 17.4 ft (0.71 - 5.3 m), 100": 5.8 ft (1.77 m)	
	RS-IL04UL ULTRA LONG FOCUS ZOOM LENS	THROW RATIO	3.86 - 7.54:1
		PROJECTION LENS	F2.34 - 2.61 / f= 53.6 - 105.6 mm
		ZOOM	1.95x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	60" to 600"
	LENS SHIFT*	(Vertical) Down 15% ~ Up 55% / (Horizontal) Left 10% ~ Right 10%	
	PROJECTION DISTANCE	15.7 - 299.5 ft (4.8 - 91.3 m), 100": 25.6 - 50.2 ft (7.8 - 15.3 m)	
	RS-IL05WZ SHORT FOCUS ZOOM LENS	THROW RATIO	1.03 - 1.54:1
		PROJECTION LENS	F2.09 - 2.34 / f= 15.56 - 23.34 mm
		ZOOM	1.5x Optical Zoom (Powered)
		FOCUS	Powered
		SCREEN SIZE	40" to 600"
	LENS SHIFT*	(Vertical) Down 15% ~ Up 55% / (Horizontal) Left 10% ~ Right 10%	
	PROJECTION DISTANCE	2.95 - 65.29 ft (0.9 - 19.9 m) / 100": 7.22 - 10.83 ft (2.2 - 3.3m)	

WHAT'S IN THE BOX

- Projector
- Remote Control (AAA size x2)
- Warranty Card
- Power Cord
- User's / Installation Manual (CD)
- VGA-VGA Computer Cable



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REALiS SX6000 PRO AV INSTALLATION LCOS PROJECTOR

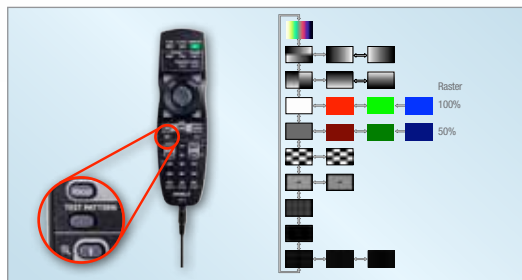
A Bright Performer

Equipped with new LCOS (Liquid Crystal on Silicon) display panels featuring an improved pixel-spacing aperture ratio of 96% for virtually seamless imagery – and enhanced by Canon’s revolutionary AISYS (Aspectual Illumination System) optical technology – the REALiS SX6000 Pro AV Projector displays exceptional 6000 lumen video and still images at SXGA+ (1400 x 1050) resolution. Added advantages to the SX6000’s advanced imaging technologies include better white balance, improved reliability and durability, and outstanding energy efficiency. Advanced color tools (6-axis Color Adjustment, Color Correction IC, and 3D Color LUT) also provide high color reproducibility. Multiple image modes, integrated test patterns, a choice of optional genuine Canon projection lenses, expanded interfaces (including DVI-I and HDMI 1.3), an advanced wired remote control and installer-friendly features makes the REALiS SX6000 a superb choice for many presentation venues.



Key Features

- ▶ Native SXGA+ (1400 x 1050) Resolution
- ▶ AISYS-Enhanced LCOS Technology
- ▶ 6000 Lumen Brightness
- ▶ 1000:1 Contrast Ratio
- ▶ LCOS Panel with 96% Aperture Ratio
- ▶ Motorized Lens Shift, Zoom, and Focus
- ▶ Outstanding Energy Efficiency
- ▶ Optional Interchangeable Genuine Canon Lenses



Integrated test patterns controllable from the remote control enable adjustment of the image angle, gradation, and color tone. System faults can also be isolated.

Recommended For:

- ▶ Higher Education
- ▶ Houses of Worship
- ▶ Museums
- ▶ Conference Centers
- ▶ Engineering Labs
- ▶ Government and Military
- ▶ Photo Studios/Galleries

REALiS SX6000

Canon



REALiS SX6000 PRO AV INSTALLATION LCOS PROJECTOR

PRODUCT NAME: REALiS SX6000 ITEM CODE: 5749B002 UPC CODE: 013803142563

SPECIFICATIONS

BASIC	IMAGING DEVICE	0.72" LCOS Reflective LCD Panels x 3		
	ASPECT RATIO	4:3		
	NATIVE RESOLUTION	1400 x 1050 (SXGA+)		
	BRIGHTNESS	6000 Lumens		
	UNIFORMITY	88%		
	CONTRAST RATIO	1000:1		
	KEYSTONE CORRECTION	VERTICAL	± 20°	
	HORIZONTAL	± 20°		
IMAGE ADJUSTMENTS	IMAGE MODES	Standard, Presentation, Vivid Photo, Photo/sRGB, Dynamic, Video, Cinema, User 1-5		
	MOUNTING	Ceiling, Rear, Rear-Ceiling, Upward, Downward		
	TILT ANGLE	Adjustable feet up to 6 degrees		
INPUT SIGNALS	DIGITAL PC INPUT	UXGA / WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA		
	ANALOG INPUT	UXGA / WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA		
INPUT SIGNALS	SCANNING FREQUENCY	H Freq. 15.625-75 KHz V Freq. 50-60.317 Hz Max dot clock 162 MHz		
	DIGITAL VIDEO INPUT	1080p / 1080i / 720p / 576p / 480p		
	COMPONENT INPUT	1080p / 1080i / 720p / 576p / 576i / 480p / 480i		
TERMINALS	INPUT	DVI-I 29PIN	Analog PC / Digital PC input	
		HDMI	Version 1.3 Deep Color Digital PC / Digital Video Input	
		MINI D-SUB 15PIN	Analog PC / Component Video Input	
		MINI JACK	Stereo Input x 2	
	CONTROL	MINI JACK	Wired remote control connection x1	
		D-SUB 9 PIN	RS-232C Control	
		RJ-45	Network (100BASE-TX / 10BASE-T)	
BUILT-IN SPEAKER	5W (Mono)			
LAMP	TYPE	330W NSH (AC)		
	LAMP LIFE	3000 Hours		
REMOTE CONTROL	SENSOR	Wireless Infrared, Front/Back Wired Remote Control Connection		
RATINGS	FAN NOISE	40dB		
	POWER	CONSUMPTION	435W / 1.7W (Standby) / 0.35W (Standby with LAN off)	
		VOLTAGE	AC100 ~ 240V, 50 / 60 Hz	
	TEMPERATURE	OPERATING	41° to 95° F (5° to 35° C) 85% RH or less	
		STORAGE	14° ~ 140° F (-10° ~ 60° C)	
	DIMENSIONS (W X D X H)	15.0" x 16.9" x 6.7" (including protruding parts, without lens)		
WEIGHT	18.7 lb. (without lens)			

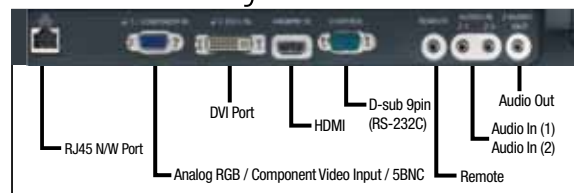
OPTIONAL ACCESSORIES

Item Code No.	Description
4966B001	Standard Zoom Lens RS-IL01ST
4967B001	Long Focus Zoom Lens RS-IL02LZ
4968B001	Ultra Wide-Angle Lens RS-IL03WF
6064B001	Ultra Long Focus Zoom Lens RS-IL04UL
8168B001	Short Focus Zoom Lens RS-IL05WZ
5017B001	Replacement Lamp RS-LP07
4971B001	Replacement Air Filter RS-FL01
5750B001	Remote Controller RS-RC05 (With Wired Connection Option)
4969B001	Ceiling Mount RS-CL11
3096B001	Ceiling Extension RS-CL08 (16" ~ 24")
3097B001	Ceiling Extension RS-CL09 (24" ~ 39")
5471B001	Top Cover RS-TC01 (Dark Grey)

Optional Interchangeable Genuine Canon Lenses

A series of high-resolution Genuine Canon interchangeable lenses are available for REALiS Pro AV Installation Projectors. These include a 1.5x Standard Zoom Lens, 0.8x Ultra Wide Angle Lens, 1.7x Long Focus Zoom Lens, 1.95x Ultra Long Focus Zoom Lens and 1.5x Short Focus Zoom Lens. All lenses incorporate advanced low-distortion and high-resolution optical technologies originally developed for Canon's EOS DSLR camera lenses.

Connectability



OPTIONAL LENS SPECIFICATIONS

PRODUCT NAME	SX6000	
RS-IL01ST STANDARD ZOOM LENS	THROW RATIO	1.57 - 2.36:1
	PROJECTION LENS	F1.89 - 2.65 / f= 23.0 - 34.5 mm
	ZOOM	1.5 x Optical Zoom (Powered)
	FOCUS	Powered
	SCREEN SIZE	40" to 600"
	LENS SHIFT*	(Vertical) Down 12% ~ Up 50% / (Horizontal) Left 10% ~ Right 10%
PROJECTION DISTANCE	4.3 - 94.5 ft (1.3 - 28.8 m) / 100": 10.5 - 15.7 ft (3.2 - 4.8 m)	
RS-IL02LZ LONG FOCUS ZOOM LENS	THROW RATIO	2.31 - 3.94:1
	PROJECTION LENS	F1.99 - 2.83 / f= 34.0 - 57.7 mm
	ZOOM	1.7 x Optical Zoom (Powered)
	FOCUS	Powered
	SCREEN SIZE	40" to 600"
	LENS SHIFT*	(Vertical) Down 12% ~ Up 50% / (Horizontal) Left 10% ~ Right 10%
PROJECTION DISTANCE	6.2 - 158.5 ft (1.9 - 48.3 m) / 100": 15.4 - 26.2 ft (4.7 - 8.0 m)	
RS-IL03WF ULTRA WIDE- ANGLE LENS	THROW RATIO	0.85:1
	PROJECTION LENS	F2.0 / f= 12.8 mm
	ZOOM	Fixed
	FOCUS	Powered
	SCREEN SIZE	40" to 300"
	LENS SHIFT*	(Vertical) Down 5% ~ Up 5% / (Horizontal) Left 2% ~ Right 2%
PROJECTION DISTANCE	2.3 - 16.9 ft (0.69 - 5.14 m) / 100": 5.6 ft (1.72 m)	
RS-IL04UL ULTRA LONG FOCUS ZOOM LENS	THROW RATIO	3.74 - 7.32:1
	PROJECTION LENS	F2.34 - 2.81 / f= 53.6 - 105.6 mm
	ZOOM	1.95x Optical Zoom (Powered)
	FOCUS	Powered
	SCREEN SIZE	60" to 600"
	LENS SHIFT*	(Vertical) Down 12% ~ Up 50% / (Horizontal) Left 10% ~ Right 10%
PROJECTION DISTANCE	15.1 - 290.7 ft (4.6 - 88.6 m) / 100": 24.9 - 48.9 ft (7.6 - 14.9 m)	
RS-IL05WZ SHORT FOCUS ZOOM LENS	THROW RATIO	1.06 - 1.58:1
	PROJECTION LENS	F2.09 - 2.34 / f= 15.56 - 23.34 mm
	ZOOM	1.5x Optical Zoom (Powered)
	FOCUS	Powered
	SCREEN SIZE	40" to 600"
	LENS SHIFT*	(Vertical) Down -12% ~ Up 50% / (Horizontal) Left -10% ~ Right 10%
PROJECTION DISTANCE	2.95 - 63.32 ft (0.9 - 19.3m) / 100": 6.89 - 10.5 ft (2.1 - 3.2m)	

WHAT'S IN THE BOX

- Projector
- Remote Control (AAA size x2)
- Warranty Card
- Power Cord
- User's / Installation Manual (CD)
- VGA-VGA Computer Cable



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For more info:
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*The maximum upward shift and the maximum horizontal shift cannot be used simultaneously.

REALiS PRO AV INSTALLATION SERIES INTERCHANGEABLE LENSES

Canon offers a choice of Pro AV Series interchangeable high-resolution projection lenses for its line of REALiS Pro AV Installation Series projectors. These lenses are designed to deliver high-quality imagery and installation flexibility, with a wide range of throw distances and other optical performance benefits to suit many different projection environments.

Canon REALiS Pro AV Installation Series interchangeable lenses provide the color accuracy and image quality that users expect from a fixed

projection lens, combined with installation flexibility to meet various projection needs. All of the lenses in the REALiS Pro AV Installation Series include features developed from Canon's industry-leading EOS technology, including aspherical lens elements for very low distortion and Ultra Low Dispersion (UD) elements to help reduce chromatic aberration. There is also minimal image quality change and minimal light loss throughout the zoom range. This family of lenses is also similarly sized to fit within the space of Canon REALiS Pro AV Installation Series projectors, thus providing flexibility in mounting options.



Standard Zoom Lens RS-IL01ST

- Throw Ratio
WUX5000: 1.49 - 2.24:1
WUX4000: 1.49 - 2.24:1
WX6000: 1.62 - 2.43:1
SX6000: 1.57 - 2.36:1
- 1.5x Powered Optical Zoom Lens
- F number: F1.89 - 2.65
- Focal Length:
f=23.0 - 34.5 mm
- Optimized for
40 to 600 in. Screens

Long Focus Zoom Lens RS-IL02LZ

- Throw Ratio
WUX5000: 2.19 - 3.74:1
WUX4000: 2.19 - 3.74:1
WX6000: 2.38 - 4.06:1
SX6000: 2.31 - 3.94:1
- 1.7x Powered Optical Zoom Lens
- F number: F1.99 - 2.83
- Focal length:
f=34.0 - 57.7 mm
- Optimized for
40 to 600 in. Screens

Ultra Wide Angle Lens RS-IL03WF

- Throw Ratio
WUX5000: 0.80:1
WUX4000: 0.80:1
WX6000: 0.87:1
SX6000: 0.85:1
- 0.8x Fixed Ultra Wide Angle Lens
- F number: F2.0
- Focal length:
f=12.8 mm
- Optimized for
40 to 300 in. Screens

Ultra Long Focus Zoom Lens RS-IL04UL

- Throw Ratio
WUX5000: 3.76 - 7.35:1
WUX4000: 3.76 - 7.35:1
WX6000: 3.86 - 7.54:1
SX6000: 3.74 - 7.32:1
- 1.95x Ultra Long Focus Zoom Lens
- F number: F2.34 - 2.81
- Focal length:
f=53.6 - 105.6 mm
- Optimized for
60 to 600 in. Screens


Short Focus Zoom Lens RS-IL05WZ

- Throw Ratio
WUX5000: 1.00 - 1.50:1
WUX4000: 1.00 - 1.50:1
WX6000: 1.03 - 1.54:1
SX6000: 1.06 - 1.58:1
- 1.5x Short Focus Zoom Lens
- F number: F2.09 - 2.34
- Focal length:
f=15.56 - 23.34 mm
- Optimized for
40 to 600 in. Screens


REALiS PRO AV INSTALLATION SERIES INTERCHANGEABLE LENSES

SPECIFICATIONS


STANDARD ZOOM LENS RS-IL01ST

	ITEM CODE		4966B001
	THROW RATIO	WUX5000 / WUX4000	1.49 - 2.24:1
		WX6000	1.62 - 2.43:1
		SX6000	1.57 - 2.36:1
	F NUMBER		F1.89 - 2.65
	FOCAL LENGTH		f=23.0 - 34.5 mm
	ZOOM RATIO AND FOCUS		1.5x Optical Zoom (Powered)
	SCREEN SIZE		40 - 600 inches
	LENS SHIFT	WUX4000 / WUX5000 / WX6000	(V) -15% ~ 55% (H) ±10%
		SX6000	(V) -12% ~ 50% (H) ±10%
OPTICAL CONSTRUCTION		11 groups in 14 elements	


LONG FOCUS ZOOM LENS RS-IL02LZ

	ITEM CODE		4967B001
	THROW RATIO	WUX5000 / WUX4000	2.19 - 3.74:1
		WX6000	2.38 - 4.06:1
		SX6000	2.31 - 3.94:1
	F NUMBER		F1.99 - 2.83
	FOCAL LENGTH		f=34.0 - 57.7 mm
	ZOOM RATIO AND FOCUS		1.7x Optical Zoom (Powered)
	SCREEN SIZE		40 - 600 inches
	LENS SHIFT	WUX4000 / WUX5000 / WX6000	(V) -15% ~ 55% (H) ±10%
		SX6000	(V) -12% ~ 50% (H) ±10%
OPTICAL CONSTRUCTION		11 groups in 15 elements	


ULTRA WIDE ANGLE LENS RS-IL03WF

	ITEM CODE		4968B001
	THROW RATIO	WUX5000 / WUX4000	0.80:1
		WX6000	0.87:1
		SX6000	0.85:1
	F NUMBER		F2.0
	FOCAL LENGTH		f=12.8 mm
	ZOOM RATIO AND FOCUS		Fixed (Powered)
	SCREEN SIZE		40 - 300 inches
	LENS SHIFT	WUX4000 / WUX5000 / WX6000	(V) ±5% (H) ±2%
		SX6000	(V) ±5% (H) ±2%
OPTICAL CONSTRUCTION		10 groups in 14 elements	

ULTRA LONG FOCUS ZOOM LENS RS-IL04UL

	ITEM CODE		6064B001
	THROW RATIO	WUX5000 / WUX4000	3.76 - 7.35:1
		WX6000	3.86 - 7.54:1
		SX6000	3.74 - 7.32:1
	F NUMBER		F2.34 - 2.81
	FOCAL LENGTH		f=53.6 - 105.6 mm
	ZOOM RATIO AND FOCUS		1.95x Optical Zoom (Powered)
	SCREEN SIZE		60 - 600 inches
	LENS SHIFT	WUX4000 / WUX5000 / WX6000	(V) -15% ~ 55% (H) ±10%
		SX6000	(V) -12% ~ 50% (H) ±10%
OPTICAL CONSTRUCTION		11 groups in 16 elements	

SHORT FOCUS ZOOM LENS RS-IL05WZ

	ITEM CODE		8168B001
	THROW RATIO	WUX5000 / WUX4000	1.00 - 1.50:1
		WX6000	1.03 - 1.54:1
		SX6000	1.06 - 1.58:1
	F NUMBER		F2.09 - 2.34
	FOCAL LENGTH		f=15.56 - 23.34 mm
	ZOOM RATIO AND FOCUS		1.5x Optical Zoom (Powered)
	SCREEN SIZE		40 - 600 inches
	LENS SHIFT	WUX4000 / WUX5000 / WX6000	(V) -15% ~ 55% (H) ±10%
		SX6000	(V) -12% ~ 50% (H) ±10%
OPTICAL CONSTRUCTION		11 groups in 15 elements	

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REALiS WUX450 PRO AV

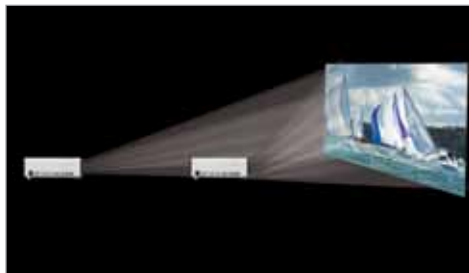
COMPACT INSTALLATION LCOS PROJECTOR

Widescreen Compact Installation Projector

The Canon REALiS WUX450 Pro AV Compact Installation LCOS Projector combines the exceptional picture quality of large installation projectors with the plug-and-play convenience of portables. A trim 13 lb. unit, the Canon REALiS WUX450 delivers WUXGA (1920 x 1200) resolution 16:10 widescreen images with 4500 lumens of brightness and a 2000:1 contrast ratio. Built into the REALiS WUX450 is a next-generation Canon AISYS 5.0 optical engine that maximizes the imaging performance of the projector's advanced Canon LCOS display panels. The REALiS WUX450 also features a sophisticated Canon optical solution that delivers a consistent fixed f/2.8 aperture with no brightness fall-off throughout its entire 1.8x zoom range. Advanced features include four point keystone correction, simultaneous Picture-by-Picture HDMI and DVI split-screen display, built-in edge blending with easy registration adjustment, and manual lens-shift adjustment for installation flexibility and projector stacking. A full suite of networking features including full control over IP and content streaming, and a Network Multi Projection system that allows for video streaming (not audio) via LAN to the projector in multiple modes. A new long-life filter system and projection lamp provides easy maintenance and lower total cost of ownership.

Key Features

- ▶ Compact and Lightweight
- ▶ Native WUXGA (1920 x 1200) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4500 Lumens
- ▶ Throw Ratio 1.39-2.51:1
- ▶ Lens shift (V: 0% - 60%, H: ±10%)
- ▶ Supports 24p Video
- ▶ Consistent Fixed f/2.8 Aperture with no Brightness Fall-Off Throughout its Entire 1.8x Zoom Range
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency



Canon's REALiS Pro AV Compact Installation LCOS Projectors offer full projector light output regardless of the zoom position.



Recommended For:

- ▶ Large Classrooms
- ▶ Lecture Halls
- ▶ Auditoriums
- ▶ Houses of Worship
- ▶ Educational Facilities
- ▶ Museums and Galleries
- ▶ Corporate Board Rooms
- ▶ Conference Rooms
- ▶ Ad Agencies
- ▶ Photo Studios
- ▶ Postproduction Facilities
- ▶ Simulation Centers
- ▶ Government

REALiS WUX450

Canon



REALIS WUX450 PRO AV COMPACT INSTALLATION LCOS PROJECTOR

PRODUCT NAME: REALIS WUX450 ITEM CODE: 8264B002 UPC CODE: 013803215342

SPECIFICATIONS

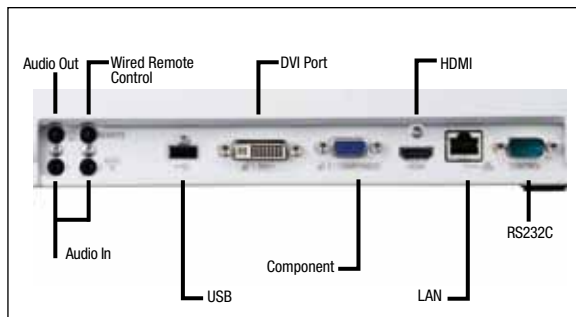
BASIC	IMAGING DEVICE		0.71" LCOS Reflective LCD panels x 3	
	ASPECT RATIO		16:10	
	NATIVE RESOLUTION		1920 x 1200 (WUXGA)	
	BRIGHTNESS		4500 Lumens / 3460 (Power Saver Mode)	
	UNIFORMITY		90%	
	CONTRAST RATIO		2000:1	
	KEYSTONE CORRECTION	VERTICAL	± 20°	
HORIZONTAL		± 20°		
IMAGE ADJUSTMENTS	MOUNTING		Ceiling, Rear, Rear-Ceiling, Upward, Downward	
	TILT ANGLE		Adjustable feet up to 6 degrees	
INPUT SIGNALS	DIGITAL PC INPUT		WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA	
	ANALOG PC INPUT		WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA	
	SCANNING FREQUENCY		H - Sync: 15 ~ 75 KHz V - Sync: 50 ~ 60 KHz Dot Clock: 162 MHz	
	DIGITAL VIDEO INPUT		1080p / 1080i / 720p / 576p / 480p	
	COMPONENT INPUT		1080p / 1080i / 720p / 576p / 576i / 480p / 480i	
TERMINALS	INPUT	DVI-I	Analog PC / Digital PC Input	
		HDMI	Version 1.3 Deep Color Digital PC / Digital Video Input	
		MINI D-SUB 15PIN	Analog PC / Component Video Input	
		MINI JACK	Stereo Input x 2 / Stereo Output x 1	
	CONTROL	USB TYPE A	USB Connection	
		D-SUB 9 PIN	RS-232C Control	
RJ-45		Network (1000BASE-T / 100BASE-TX / 10BASE-T)		
BUILT-IN SPEAKER		5W (Mono)		
LAMP	TYPE		250W NSHA (AC)	
	POWER		260W / 200W (Power Saver)	
	LIFE		3000 H / 5000 H (Eco Mode)	
REMOTE CONTROL	SENSOR		Wireless Infrared, Front/Back Wired Remote Control Connection	
RATINGS	FAN NOISE		38 dB / 32 dB (Full Power / Power Saver)	
	POWER	CONSUMPTION	365W / 295W (Full Power/Power Saver)	
		STANDBY POWER CONSUMPTION	0.6W (Standby with LAN on) / 0.2W (Standby with LAN off)	
		VOLTAGE	AC100 ~ 240V, 50 / 60 Hz	
	TEMPERATURE	OPERATING	32° to 104° F (0° to 40°C)	
		STORAGE	14° to 140° F (-10° to 60° C)	
DIMENSIONS (W X D X H)		13.3 x 14.6 x 5.3in. (including protruding parts)		
WEIGHT		13 lb. (5.9kg)		

KEY FEATURES / TECHNOLOGY

Flexible Network Management

Built into the new Canon REALIS WUX450 is a full suite of networking features, including full control over IP and content streaming. An Ethernet (LAN) interface enables advanced remote control and monitoring capabilities (including power management, usage tracking, and other control functions). Key networking features also include a content-streaming capability, which does not require dedicated software and allows one or more PCs to connect to a projector over a standard LAN to share content. This NMPJ (Network Multi Projection) system has the ability to show content from up to four different PCs on a single screen (in Classroom Mode only). Content can be streamed from any point with a network connection to a projector, either within a room or in multiple locations, simplifying installation. And the REALIS WUX450 offers placement flexibility with its sophisticated Canon optical solution which delivers a consistent fixed aperture of f/2.8. This means that there is no light lost across its entire 1.8x zoom range, so users get the lumens they need – and paid for – when adding distance or zooming.

Connectability



WHAT'S IN THE BOX

- Projector
- Remote Control (AAA batteries x2)
- Power Cord
- VGA-VGA Cable
- Lens Cap
- Warranty Card
- Instruction Book (CD-ROM)
- Important Information (Book)



OPTIONAL ACCESSORIES

Item Code No	Description
8377B001	Replacement Lamp RS-LP08
3096B001	Ceiling Extension RS-CL08 (16" - 24")
3097B001	Ceiling Extension RS-CL09 (24" - 39")
8378B001	Ceiling Attachment RS-CL12
8680B001	Ceiling Attachment RS-CL13
8379B001	Replacement Air Filter RS-FL02
8380B001	Option Foot RS-FT01
5750B001	Remote Controller RS-RC05
8381B001	Remote Controller RS-RC06
2482V754	Compact Install Shipping Case

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REALiS WX520 PRO AV

COMPACT INSTALLATION LCOS PROJECTOR

Easy-Fit Compact Installation Projector

The Canon REALiS WX520 Pro AV Compact Installation LCOS Projector combines the exceptional picture quality of large installation projectors with the plug-and-play convenience of portables. A trim 13 lb. unit, the Canon REALiS WX520 delivers WXGA+ (1440 x 900) resolution 16:10 widescreen images with 5200 lumens of brightness and a 2000:1 contrast ratio. Built into the REALiS WX520 is a next-generation Canon AISYS 5.0 optical engine that maximizes the imaging performance of the projector's advanced Canon LCOS display panels. The REALiS WX520 also features a sophisticated Canon optical solution that delivers a consistent fixed f/2.8 aperture with no brightness fall-off throughout its entire 1.8x zoom range. Advanced features include four point keystone correction, simultaneous Picture-by-Picture HDMI and DVI split-screen display, built-in edge blending with easy registration adjustment, and manual lens-shift adjustment for installation flexibility and projector stacking. A full suite of networking features including full control over IP and content streaming, and a Network Multi Projection system that allows for video streaming (not audio) via LAN to the projector in multiple modes. A new long-life filter system and projection lamp provides easy maintenance and lower total cost of ownership.

Key Features

- ▶ Compact and Lightweight
- ▶ Native WXGA+ (1440 x 900) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ Throw Ratio 1.43-2.57:1
- ▶ 5200 Lumens
- ▶ Lens shift (V: 0-62% / H: ±10%)
- ▶ Supports 24p Video
- ▶ Consistent Fixed f/2.8 Aperture with no Brightness Fall-Off Throughout its Entire 1.8x Zoom Range
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency



Network Multi Projection system allows for video streaming (not audio) via LAN to the projector in multiple modes.



Recommended For:

- ▶ Large Classrooms
- ▶ Educational Facilities
- ▶ Lecture Halls
- ▶ Auditoriums
- ▶ Houses of Worship
- ▶ Museums and Galleries
- ▶ Corporate Board Rooms
- ▶ Conference Rooms
- ▶ Ad Agencies
- ▶ Photo Studios
- ▶ Postproduction Facilities
- ▶ Simulation Centers
- ▶ Government

REALiS WX520

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REALiS WX520 PRO AV COMPACT INSTALLATION LCOS PROJECTOR

PRODUCT NAME: REALiS WX520 ITEM CODE: 8265B002 UPC CODE: 013803215366

SPECIFICATIONS

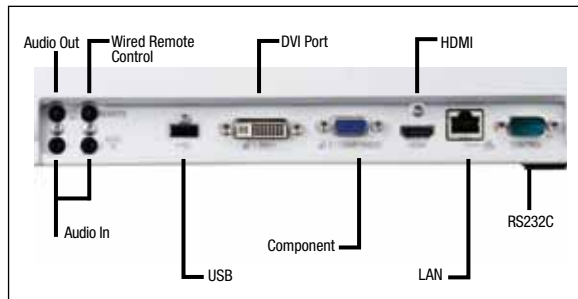
BASIC	IMAGING DEVICE	0.70" LCOS Reflective LCD panels x 3		
	ASPECT RATIO	16:10		
	THROW RATIO	1.43 - 2.57:1		
	NATIVE RESOLUTION	1440 x 900 (WXGA+)		
	BRIGHTNESS	5200 Lumens / 4000 (Power Saver Mode)		
	UNIFORMITY	90%		
	CONTRAST RATIO	2000:1		
	KEystone CORRECTION	VERTICAL	± 20°	
HORIZONTAL		± 20°		
IMAGE ADJUSTMENTS	MOUNTING	Ceiling, Rear, Rear-Ceiling, Upward, Downward		
	TILT ANGLE	Adjustable feet up to 6 degrees		
INPUT SIGNALS	DIGITAL PC INPUT	WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		
	ANALOG PC INPUT	WUXGA / UXGA / WSXGA+ / SXGA+ / WXGA+ / FWXGA / WXGA / SXGA / XGA / SVGA / VGA		
	SCANNING FREQUENCY	H - Sync: 15-75 KHz V - Sync: 50-60 KHz Dot Clock: 162 MHz		
	DIGITAL VIDEO INPUT	1080p / 1080i / 720p / 576p / 480p		
	COMPONENT INPUT	1080p / 1080i / 720p / 576p / 576i / 480p / 480i		
TERMINALS	INPUT	DVI-I	Analog PC / Digital PC Input	
		HDMI	Version 1.3 Deep Color Digital PC / Digital Video Input	
		MINI D-SUB 15PIN	Analog PC / Component Video Input	
		MINI JACK	Stereo Input x 2 / Stereo Output x 1	
	CONTROL	USB TYPE A	USB Connection	
		D-SUB 9 PIN	RS-232C Control	
		RJ-45	Network (100BASE-T / 100BASE-TX / 10BASE-T)	
BUILT-IN SPEAKER	5W (Mono)			
LAMP	TYPE	250W NSHA (AC)		
	POWER	260W / 200W (Power Saver)		
	LIFE	3000 Hours / 5000 Hours (Eco Mode)		
REMOTE CONTROL	SENSOR	Wireless Infrared, Front/Back Wired Remote Control Connection		
RATINGS	FAN NOISE	38 / 32 dB (Full power/Power saver)		
	POWER	CONSUMPTION	355W / 285W (Full Power/Power Saver)	
		VOLTAGE	AC100 ~ 240V, 50 / 60 Hz	
	TEMPERATURE	OPERATING	32° to 104° F (0° to 40°C)	
		STORAGE	14° to 140° F (-10° to 60° C)	
	DIMENSIONS (W X D X H)	13.3 x 14.6 x 5.3in. (including protruding parts)		
WEIGHT	13 lb. (5.9kg)			

KEY FEATURES / TECHNOLOGY

Flexible Installation and Easy Maintenance

Approximately 25 percent smaller than previous Canon Pro AV Series projectors, the REALiS WX520 compact installation projector features a new heat-exhaust design and a flat chassis that allows for a wide variety of installation-placement choices. Optional feet can be installed on the top of the projector for inverted ceiling-type mounts. Two units can be stacked to double light output, yet still fit into a compact space. The 1.8x zoom lens built into the projector includes a mechanical lens-shift feature for increased installation flexibility, enabling the REALiS WX520 to be installed vertically, pointing up or downwards. Canon's sophisticated optical solutions deliver a consistent fixed aperture of f/2.8. This means that there is no light lost throughout its entire 1.8x zoom range, so users get the lumens they need – and paid for – when adding distance or zooming. Low “TV distortion” characteristics (0.1%) provide clean, uniform edge blends both horizontally and vertically. Maintenance is simplified by a long-life lamp of up to 5000 hours (when in Eco mode) and an enhanced filter system that eliminates the need for filter replacements (with proper maintenance). Power consumption of the REALiS WX520 projectors equals less than .068 watts when powered on.

Connectability



WHAT'S IN THE BOX

- Projector
- Remote Control
- Power Cord
- VGA-VGA Cable
- Lens Cap
- Warranty Card
- Instruction Book (CD-ROM)
- Important Information (Book)



OPTIONAL ACCESSORIES

Item Code No	Description
8377B001	Replacement Lamp RS-LP08
3096B001	Ceiling Extension RS-CL08 (16" - 24")
3097B001	Ceiling Extension RS-CL09 (24" - 39")
8378B001	Ceiling Attachment RS-CL12
8680B001	Ceiling Attachment RS-CL13
8379B001	Replacement Air Filter RS-FL02
8380B001	Option Foot RS-FT01
5750B001	Remote Controller RS-RC05
8381B001	Remote Controller RS-RC06
2482V754	Compact Install Shipping Case

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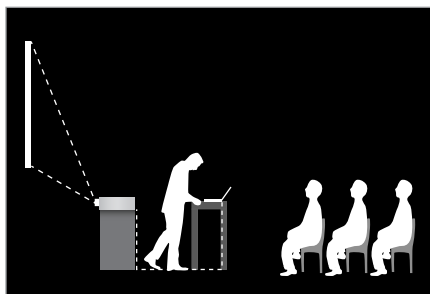
REALiS WUX400ST PRO AV SHORT THROW COMPACT INSTALLATION LCOS PROJECTOR

High Resolution Short Throw Compact Installation

The REALiS WUX400ST Pro AV Short Throw Compact Installation LCOS Projector delivers high resolution WUXGA (1920 x 1200) widescreen 16:10 video and still images with 4000 lumens of brightness and a 2000:1 contrast ratio. With a throw ratio of 0.56:1, the projector's advanced Genuine Canon lens allows for displaying a full 7 ft. wide image from less than 4 ft. away. Furthermore, the unit can accommodate a wide range of installment environments with its large lens shift range (V: 0-75% / H: $\pm 10\%$). These features allow flexibility in projector placement, easier set-up, and reduces the amount of space required for front- or rear-projection, while also ensuring high brightness and distortion-free image quality. For greater flexibility, this compact and lightweight (under 14 lb.) unit has a flat design, new heat exhaustion system, and offers optional feet to support a wide range of installation configurations including stacking and high-precision positioning even when installing the projector upside down with a flush ceiling mount. Another result of the new design concept is its outstanding energy efficiency when powered on and in standby mode. The Canon REALiS WUX400ST also features a next-generation Canon AISYS 5.0 optical engine, built-in edge blending with easy registration adjustment, and Picture-by-Picture display that simultaneously projects two high quality images from HDMI and DVI. Networking features include full control over IP and a Network Multi Projection function that allows for video streaming (not audio) via LAN to the projector in multiple modes.

Key Features

- ▶ Native WUXGA (1920 x 1200) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4000 Lumens
- ▶ Throw Ratio 0.56:1
- ▶ Lens Shift for Flexible Installation
(V: 0-75% / H: $\pm 10\%$)
- ▶ Supports 24p Video
- ▶ Electronic Zoom Function with Fixed Top Position
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency
- ▶ WUX400ST D features DICOM Simulation Mode



Advanced short-throw and lens shift that delivers high resolution and brightness provides installation flexibility ideal for conference rooms, educational facilities, digital signage, and more.



Recommended For:

- ▶ Large Classrooms
- ▶ Lecture Halls
- ▶ Auditoriums
- ▶ Houses of Worship
- ▶ Educational Facilities
- ▶ Museums and Galleries
- ▶ Corporate Board Rooms
- ▶ Conference Rooms
- ▶ Ad Agencies
- ▶ Photo Studios
- ▶ Digital Signage
- ▶ Simulation Centers
- ▶ Government
- ▶ Digital Signage

REALiS WUX400ST

Canon



REALiS WUX400ST PRO AV COMPACT INSTALLATION LCOS PROJECTOR

PRODUCT NAME: WUX400ST ITEM CODE: 8678B002 UPC CODE: 013803227802

SPECIFICATIONS

BASIC	IMAGING DEVICE	0.71" LCOS Reflective LCD panels x 3		
	ASPECT RATIO	16:10		
	THROW RATIO	0.56:1		
	NATIVE RESOLUTION	1920 x 1200 (WUXGA)		
	BRIGHTNESS	4000 Lumens / 3080 (Power Saver Mode)		
	CONTRAST RATIO	2000:1		
	LENS SHIFT	V: 0%-75%, H: ±10%		
KEystone CORRECTION	VERTICAL	± 12°		
	HORIZONTAL	± 12°		
IMAGE ADJUSTMENTS	MOUNTING	Ceiling, Rear, Rear-Ceiling, Upward, Downward		
	TILT ANGLE	Adjustable feet up to 6 degrees		
INPUT SIGNALS	DIGITAL PC INPUT	WUXGA/UXGA/WSXGA+/SXGA+/WXGA+/FWXGA/WXGA/SXGA/XGA/SVGA/VGA		
	ANALOG PC INPUT	WUXGA/UXGA/WSXGA+/SXGA+/WXGA+/FWXGA/WXGA/SXGA/XGA/SVGA/VGA		
	DIGITAL VIDEO INPUT	1080P / 1080i / 720p / 576p / 480p		
	COMPONENT INPUT	1080p / 1080i / 720p / 576p / 576i / 480p / 480i		
	USB DATA TRANSFER	JPEG Still Image		
TERMINALS	INPUT	DVI-I	Analog PC / Digital PC Input	
		HDMI	Version 1.3 Deep Color Digital PC / Digital Video Input	
		MINI D-SUB 15PIN	Analog PC / Component Video Input	
		MINI JACK	Stereo Input x 2 / Stereo Output x 1	
	CONTROL	USB TYPE A	USB Connection	
		D-SUB 9 PIN	RS-232C Control	
		RJ-45	Network Network (1000BASE-T / 100BASE-TX / 10BASE-T)	
	BUILT-IN SPEAKER	5W (Mono)		
LAMP	TYPE	250W NSHA (AC)		
	POWER	260W / 200W (Power Saver)		
	LAMP LIFE	3000 Hours / 5000 Hours (Eco Mode)		
REMOTE CONTROL	SENSOR	Wireless Infrared, Front/Back Wired Remote Control Connection		
RATINGS	FAN NOISE	38dB / 32dB (Full Power / Power Saver)		
	POWER	CONSUMPTION	365W / 295W (Full Power/Power Saver)	
		STANDBY POWER CONSUMPTION	0.6 W (Standby with LAN on) / 0.2 W (Standby with LAN off)	
		VOLTAGE	AC100 ~ 240V, 50 / 60 Hz	
	TEMPERATURE	OPERATING	32° to 104° F (0° to 40°C)	
		STORAGE	14° to 140° F (-10° to 60° C)	
	DIMENSIONS (W X D X H)	13.3 x 16.3 x 5.3 in. (337 x 415 x 134mm) (including protruding parts)		
WEIGHT	13.9 lb. (6.3kg)			

*The REALiS WUX400ST D projector includes a DICOM® Simulation Mode. This model is not cleared or approved for medical diagnosis and should not be used for these purposes.

OPTIONAL ACCESSORIES

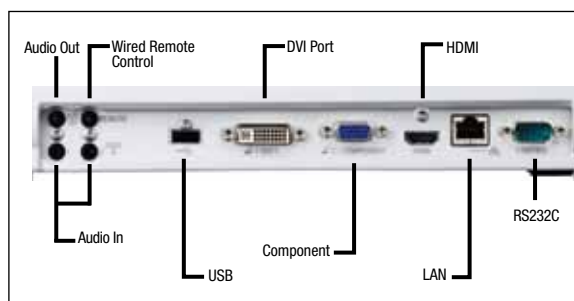
Item Code No	Description
8379B001	Replacement Air Filter RS-FL02
3096B001	Ceiling Extension RS-CL08 (16" - 24")
3097B001	Ceiling Extension RS-CL09 (24" - 39")
8378B001	Ceiling Mount RS-CL12
8680B001	Ceiling Mount RS-CL13
8377B001	Lamp Assembly RS-LP08
8380B001	Option Foot RS-FT01
5750B001	Remote Controller RS-RC05
8381B001	Remote Controller RS-RC06
2482V754	Compact Install Shipping Case

KEY FEATURES / TECHNOLOGY

High End Installation Features

- Throw Ratio: 0.56:1
- Generous Lens Shift (V: 0-75% / H: ±10%)
- New Compact Design: physical design [flat top and bottom, optional feet, etc. for flexibility in placement such as mounting, stacking, vertical installations (upward/downward)]

Wide Range of Connectivity



New USB and LAN interfaces for advanced control. USB based playback of JPEG image files directly from a thumb drive without a PC connection. The NMPJ System allows for image transmission as well as video streaming (not audio) through the LAN to the projector allowing a wide variety of multi-projection: Direct mode, Meeting mode, Classroom mode, and Broadcast mode.

WHAT'S IN THE BOX

- Projector
- Remote Control (AAA batteries x2)
- Power Cord
- VGA-VGA Cable
- Warranty Card
- Operation Manual (Book and CD-ROM)
- Important Information (Book)



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REALiS WX450ST PRO AV SHORT THROW COMPACT INSTALLATION LCOS PROJECTOR

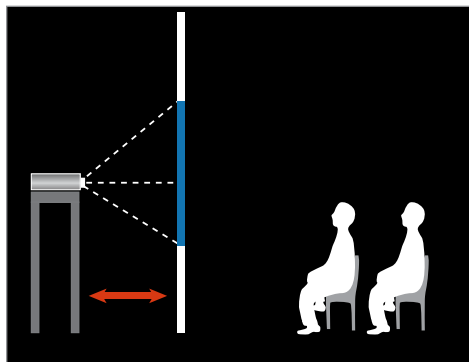
High Brightness Short Throw Compact Installation Projector

The REALiS WX450ST Pro AV Short Throw Compact Installation LCOS Projector, equipped with an advanced Genuine Canon lens with a throw ratio of 0.57:1 and a generous horizontal and vertical lens shift, can display a high performance WXGA+ (1440 x 900) resolution image at 7 ft. wide from less than 4 ft away. This highly versatile unit provides distortion-free image quality in a wide variety of both front- and rear-projection installations and weighs under 14 lbs.

The REALiS WX450ST delivers 16:10 widescreen images with 4500 lumens of brightness and a 2000:1 contrast ratio, and features a next-generation Canon AISYS 5.0 optical engine that maximizes the imaging performance of the projector's advanced Canon LCOS display panels. Advanced features include four point keystone correction, simultaneous Picture-by-Picture HDMI and DVI split-screen display, built-in edge blending with easy registration adjustment and projector stacking. Networking features include full control over IP and content streaming. A Network Multi Projection system allows for video streaming (not audio) via LAN to the projector in multiple modes. The new long-life filter system and projection lamp provide outstanding energy efficiency when powered on and in standby mode, resulting in a greater overall value.

Key Features

- ▶ Native WXGA+ (1440 x 900) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4500 Lumens
- ▶ Throw Ratio 0.57:1
- ▶ Lens Shift for Flexible Installation (V: 0-77% / H: ±10%)
- ▶ Supports 24p Video
- ▶ Electronic Zoom Function with Fixed Top Position
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency
- ▶ WX450ST D features DICOM Simulation Mode



REALiS Pro AV Short Throw Compact Installation LCOS Projectors reduce space required for rear projection setup.



Recommended For:

- ▶ Large Classrooms
- ▶ Lecture Halls
- ▶ Auditoriums
- ▶ Houses of Worship
- ▶ Educational Facilities
- ▶ Museums and Galleries
- ▶ Corporate Board Rooms
- ▶ Conference Rooms
- ▶ Ad Agencies
- ▶ Photo Studios
- ▶ Postproduction Facilities
- ▶ Simulation Centers
- ▶ Government
- ▶ Digital Signage

REALiS WX450ST

Canon

REALIS WX450ST PRO AV COMPACT INSTALLATION LCOS PROJECTOR

PRODUCT NAME: WX450ST ITEM CODE: 8679B002 UPC CODE: 013803227819

SPECIFICATIONS

BASIC	IMAGING DEVICE	0.70" LCOS Reflective LCD panels x 3	
	ASPECT RATIO	16:10	
	THROW RATION	0.57:1	
	NATIVE RESOLUTION	1440 x 900 (WXGA+)	
	BRIGHTNESS	4500 Lumens / 3460 (Power Saver Mode)	
	CONTRAST RATIO	2000:1	
	LENS SHIFT	V: 0%-77%, H: ±10%	
	KEYSTONE CORRECTION	VERTICAL	±12°
HORIZONTAL		±12°	
IMAGE ADJUSTMENTS	MOUNTING	Ceiling, Rear, Rear-Ceiling, Upward, Downward	
	TILT ANGLE	Adjustable feet up to 6 degrees	
INPUT SIGNALS	DIGITAL PC INPUT	WUXGA/UXGA/WSXGA+/SXGA+/WXGA+/FWXGA/WXGA/SXGA/XGA/SVGA/VGA	
	ANALOG PC INPUT	WUXGA/UXGA/WSXGA+/SXGA+/WXGA+/FWXGA/WXGA/SXGA/XGA/SVGA/VGA	
	DIGITAL VIDEO INPUT	1080P/1080i/720p/576p/480p	
	COMPONENT INPUT	1080p/1080i/720p/576p/480p/480i	
	USB DATA TRANSFER	JPEG Still Image	
TERMINALS	INPUT	DVI-I	Analog PC / Digital PC input
		HDMI (VER 1.3)	Digital PC/ Digital Video Input (supports Deep Color)
		MINI D-SUB 15PIN	Analog PC / Component Video Input
		MINI JACK	Stereo Input x 2 / Stereo Output x 1
	CONTROL	USB TYPE A	USB Connection
		D-SUB 9 PIN	RS-232C Control
		RJ-45	Network Network (1000BASE-T / 100BASE-TX / 10BASE-T)
BUILT-IN SPEAKER	5W (Mono)		
LAMP	TYPE	250W NSHA (AC)	
	POWER	260W / 200W (Power Saver)	
	LAMP LIFE	3000 Hours / 5000 Hours (Eco Mode)	
REMOTE CONTROL	SENSOR	Wireless Infrared, Front/Back Wired Remote Control Connection	
RATINGS	FAN NOISE	38dB / 32dB (Power Saver)	
	POWER	CONSUMPTION	355W / 285W (Power Saver)
		STANDBY POWER CONSUMPTION	0.6W (Standby with LAN on) / 0.2W (Standby with LAN off)
		VOLTAGE	AC100 ~ 240V, 50 / 60 Hz
	TEMPERATURE	OPERATING	32° to 104° F (0° to 40°C)
		STORAGE	14° to 140° F (-10° to 60° C)
	DIMENSIONS (W X D X H)	13.3 x 16.3 x 5.3 in. (337 x 415 x 134mm) (including protruding parts)	
WEIGHT	13.9 lbs (6.3kg)		

*The REALIS WUX450ST D projector includes a DICOM® Simulation Mode. This model is not cleared or approved for medical diagnosis and should not be used for these purposes.

OPTIONAL ACCESSORIES

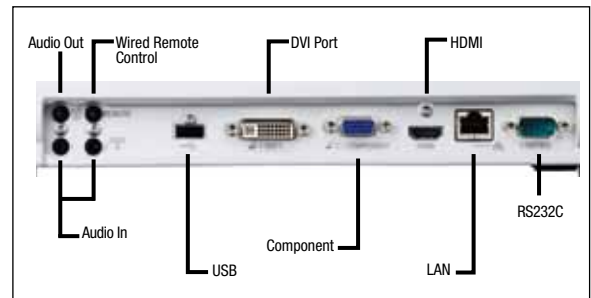
Item Code No	Description
8379B001	Replacement Air Filter RS-FL02
8680B001	Ceiling Mount RS-CL13
8378B001	Ceiling Mount RS-CL12
3096B001	Ceiling Extension RS-CL08 (16" - 24")
3097B001	Ceiling Extension RS-CL09 (24" - 39")
8377B001	Lamp Assembly RS-LP08
8380B001	Option Foot RS-FT01
5750B001	Remote Controller RS-RC05
8381B001	Remote Controller RS-RC06
2482V754	Compact Install Shipping Case

KEY FEATURES / TECHNOLOGY

High Image Quality

The WX450ST delivers a stunning image in an installation grade projector while maintaining a compact size and flexible installation options. It combines a bright 4500 lumen light output with a new AISYS optical engine for enhanced contrast and brightness through improved light management. The projector offers WXGA+ (1440 x 900) resolution still and motion images to suit high resolution applications and HD video. The lens, capitalizing on Canon's expertise in producing state of the art camera lenses, features a short throw of 0.57:1.

Wide Range of Connectivity



New USB and LAN interfaces for advanced control. USB based playback of JPEG image files directly from a thumb drive without a PC connection. NMPJ System allows for video streaming (not audio) through the LAN to the projector in several ways: Meeting Mode, Classroom Mode, Broadcast Mode, Direct Mode.

WHAT'S IN THE BOX

- Projector
- Remote Control (AAA batteries x2)
- Power Cord
- VGA-VGA Cable
- Warranty Card
- Operation Manual (Book and CD-ROM)
- Important Information (Book)



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REALiS SX7 MARK II MULTIMEDIA LCOS PROJECTOR

Astounding Color Reproduction

The REALiS SX7 Mark II is a high-performance SXGA+ (1400 x 1050) resolution LCOS projector that provides outstanding image quality and detail. Featuring 4000 lumens of brightness, the SX7 Mark II incorporates Canon's proprietary AISYS-enhanced LCOS Technology which delivers lattice-free, seamless images with exceptional color reproduction. Using a special color filter for support of the Adobe RGB color space, the REALiS SX7 Mark II is ideal for demanding users such as graphic designers, publishers and photographers.

In addition, the projector's Photo Image Mode setting allows you to make precise adjustments to both the color temperature and color level, and adjust for ambient lighting conditions. The projector's AC lamp system helps to deliver exceptional color fidelity, with enhanced red and green for more realistic tones. The REALiS SX7 Mark II delivers everything you need in a top-of-the-line projector.



Key Features

- ▶ Native SXGA+ Resolution (1400 x 1050)
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4000 Lumens
- ▶ 1.7x Powered Zoom Lens
- ▶ Digital Image Shift
- ▶ Photo Image Mode
- ▶ Supports Adobe RGB and sRGB Color Spaces
- ▶ Advanced Color Management
- ▶ Versatile Connectivity (DVI-I)



The REALiS SX7 Mark II's Photo Mode allows you to make precise adjustments to color temperature and color level.*

- ▶ Ease of Use and Flexibility

Recommended For:

- ▶ Publishing
- ▶ Graphic Design
- ▶ Photography
- ▶ Wedding/Portrait
- ▶ Education
- ▶ Museums
- ▶ Government
- ▶ Corporate

REALiS SX7 Mark II

Canon

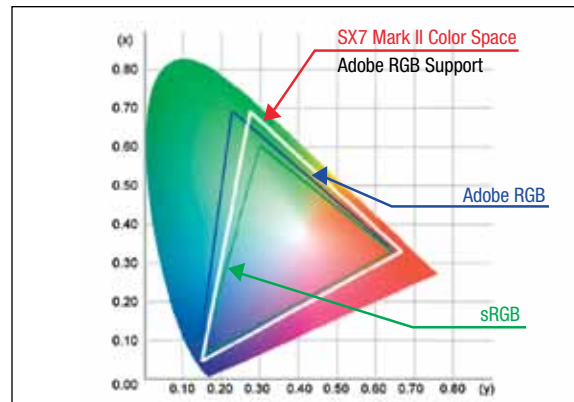
REALiS SX7 Mark II

PRODUCT NAME: REALiS SX7 Mark II ITEM CODE: 4233B002 UPC CODE: 013803119404

SPECIFICATIONS

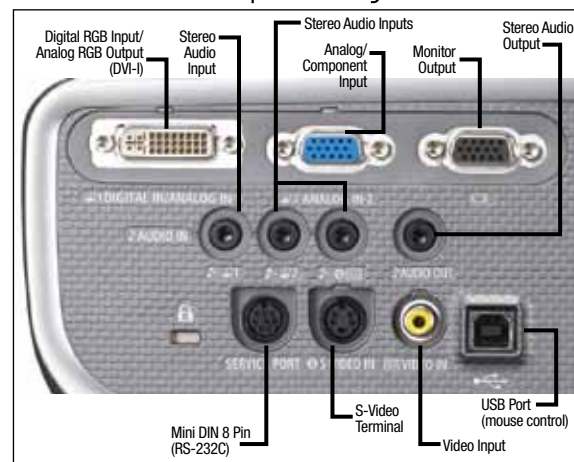
BASIC	IMAGING DEVICE		0.7" Reflective LCD Panel (LCOS) x 3	
	ASPECT RATIO		4:3	
	NATIVE RESOLUTION		SXGA+ (1400 x 1050)	
	BRIGHTNESS		4000 Lumens	
	UNIFORMITY		88%	
	CONTRAST		1000:1	
KEYSTONE	VERTICAL	+ / - 20 degrees (Auto / Manual)		
	HORIZONTAL	+ / - 20 degrees (Manual)		
OPTICS	PROJECTION LENS		F1.85 - 2.5, f= 21.7 - 35.8mm	
	LENS OFFSET		9: 1, Fixed	
	ZOOM		1.7 x Powered, 12 x Digital zoom	
	FOCUS		Powered	
	SCREEN SIZE		40" - 300"	
	PROJECTION DISTANCE COVERAGE		3.9 - 29.5 ft (1.2 - 9 m), 100": 9.8 - 16.1 ft (3.0 - 4.9 m)	
	THROW RATIO		1.46 - 2.43: 1	
	IMAGE ADJUSTMENTS	IMAGE MODES		Standard, Presentation, Movie, Photo, Adobe RGB, sRGB
COLOR ADJUST		Dynamic Gamma, 6-Axis (RGBCMY) Color Adjustment		
WALL CORRECTION		Auto / Manual		
IMAGE FLIP		None / Ceiling Mounted / Rear / Rear, Ceiling Mounted		
TILT ANGLE		Adjusting foot up to 10 degrees		
INPUT SIGNALS	DIGITAL PC INPUT		SXGA+ / SXGA / WXGA / XGA / / VGA	
	SCANNING FREQUENCY		H: 15-100 kHz, V: 50-100 Hz	
	ANALOG PC INPUT		UXGA / SXGA+ / SXGA / WXGA / XGA / SVGA / VGA	
	SCANNING FREQUENCY		H: 15-100 kHz, V: 50-100 Hz	
	DOT CLOCK		170MHz or less	
	VIDEO INPUT		NTSC / PAL / SECAM / NTSC4.43 / PAL-M / PAL-N	
	COMPONENT INPUT		1080i / 1035i / 720p / 576p / 576i / 480p / 480i	
DIGITAL VIDEO INPUT		1080i / 1035i / 720p / 576p / 480p		
TERMINALS	INPUT	DVI-I 29PIN	Digital PC input / Analog PC input / Digital Video input	
		D-SUB 15PIN	Analog PC Input x 2	
		RCA	Composite Video Input	
	OUTPUT	STEREO MINI JACK	Stereo Audio Input x 3	
		D-SUB 15PIN	Analog PC output	
	CONTROL	STEREO MINI-JACK	Stereo Audio Output x 1	
		D-sub 9pin	RS-232	
BUILD-IN SPEAKER		1W (Mono)		
LAMP	TYPE		275W NSH (AC)	
	LAMP LIFE (NORMAL / QUIET)		2000 / 3000 Hours	
REMOTE CONTROL	SENSOR		Wireless Infrared, Front / Back	
	MOUSE CONTROL		Mouse Control Receiver (USB)	
RATINGS	FAN NOISE (NORMAL / QUIET)		35 / 31 dB	
	POWER	CONSUMPTION	360W (normal) / 290W (quiet) / 7W (stand-by)	
		VOLTAGE	AC 100 to 240V, 50 / 60Hz	
	TEMPERATURE	OPERATING	41° to 95° F (5° to 35° C)	
		STORAGE	- 22° to 104° F (- 30° to 60° C), 5%RH-90%RH	
	DIMENSIONS (W x D x H)		10.5 x 13.2 x 4.5 in. (226 x 336 x 114 mm)	
WEIGHT		10.6 lbs (4.8 kg)		

Adobe RGB Color Space



A special color filter and the projector's AC lamp produces exceptional support of Adobe RGB color space, a larger color space than sRGB, thus capable of reproducing more colors. This feature allows professional photography studios, graphic designers, and printers to display images with accurate, uniform color at all stages of the production process.

Flexible Compatibility



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OPTIONAL ACCESSORIES

Item Code No.	Description
2396B001	RS-LP04 Replacement Lamp
3095B001	RS-CL07 Ceiling Mount
3096B001	RS-CL08 Ceiling Extension: (16" - 24")
3097B001	RS-CL09 Ceiling Extension: (24" - 39")
7502A001	LV-CA29 DVI-D Cable
0610B001	RS-CA01 RS-232C Cable(9.8")
1025V632	RS-232C Control Cable (18")
1261V591	T-WC070 Wide Converter Lens
1332V132	REALiS Projector Case



For more info:
 1-800-OK-CANON (1-800-652-2666)
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REALiS SX80 MARK II MULTIMEDIA LCOS PROJECTOR

Versatile Performance

The REALiS SX80 Mark II offers a range of highly desired projector features in a very affordable package. Boasting high-resolution SXGA+ (1400 x 1050), the SX80 Mark II incorporates Canon's exclusive AISYS-enhanced LCOS technology which delivers lattice-free, seamless images with exceptional color reproduction.

Ideal for corporate, education and other professional users, the projector has a Photo Image Mode setting for precision color adjustment, a built-in USB port for PC-free presentations and PictBridge compatibility, an HDMI terminal (version 1.3 deep color) for projection of high-quality digital images and 1080p video, and a built-in RJ-45 network connection for remote network operation.



Key Features

- ▶ AISYS-enhanced LCOS Technology
- ▶ Native SXGA+ Resolution (1400 x 1050)
- ▶ 3000 Lumens
- ▶ 1.5x Powered Zoom Lens
- ▶ Photo Image Mode
- ▶ Advanced Color Management
- ▶ HDMI Version 1.3 Deep Color
- ▶ PC-Free Presentations and PictBridge



PictBridge compatible digital cameras can be connected via USB to display photos directly from the camera.

- ▶ Network-ready RJ-45 Port
- ▶ Ease of Use and Flexibility

Recommended For:

- ▶ Education
- ▶ Corporate
- ▶ Government
- ▶ Photography
- ▶ Houses of Worship

REALiS SX80 Mark II

Canon



REALiS SX80 Mark II

PRODUCT NAME: REALiS SX80 Mark II ITEM CODE: 4232B002 UPC CODE: 013803119398

SPECIFICATIONS

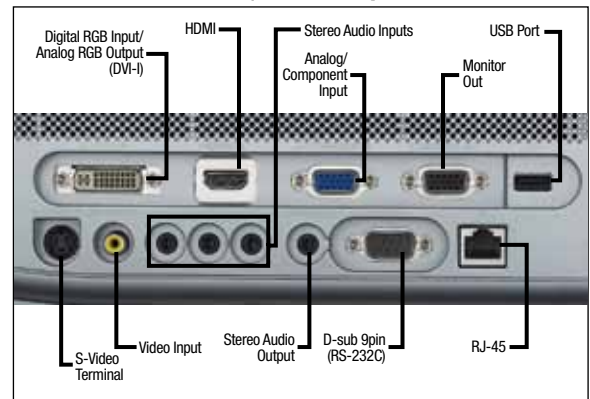
BASIC	IMAGING DEVICE	0.55" Reflective LCD Panels (LCOS) x 3		
	ASPECT RATIO	4:3		
	NATIVE RESOLUTION	SXGA+ (1400 x 1050)		
	BRIGHTNESS	3000 Lumens		
	UNIFORMITY	88%		
	CONTRAST	900: 1		
	VERTICAL KEYSTONE	± 20 degrees (Auto / Manual)		
OPTICS	PROJECTION LENS	F1.95 – 2.6, f= 16.6 – 24.8 mm		
	LENS OFFSET	10: 0, Fixed		
	ZOOM	1.5x Powered, 12x Digital zoom		
	FOCUS	Powered		
	SCREEN SIZE	40" – 300"		
	PROJECTION DISTANCE COVERAGE	3.9 – 29.9 FT (1.2 – 9.1M) 100": 9.8 – 16.1 FT. (3.0 – 4.9M)		
	THROW RATIO	1.48 – 2.18: 1		
IMAGE ADJUSTMENTS	IMAGE MODE	Standard, Presentation, Movie, sRGB, Photo		
	COLOR ADJUST	Dynamic Gamma, 6-Axis (RGBCMY) Color Adjustment		
	WALL CORRECTION	Auto / Manual		
	IMAGE FLIP	None / Ceiling Mounted / Rear / Rear, Ceiling Mounted		
	TILT ANGLE	Adjusting feet up to 10 degrees		
INPUT SIGNALS	DIGITAL PC INPUT	SXGA+ / SXGA / WXGA / XGA / SVGA / VGA		
	ANALOG PC INPUT	UXGA / SXGA+ / WXGA / SXGA / XGA / SVGA / VGA		
	DOT CLOCK	170MHz or less		
	VIDEO INPUT	NTSC / PAL / SECAM / NTSC4.43 / PAL-M / PAL-N		
	COMPONENT INPUT	1080p / 1080i / 1035i / 720p / 576p / 576i / 480p / 480i		
	DIGITAL VIDEO INPUT	HDMI: 1080p / 1080i / 1035i / 720p / 576p / 480p		
TERMINALS	INPUT	DVI-I 29PIN	Digital PC input / Analog PC input / Digital Video input	
		HDMI	Version 1.3 Deep Color / Digital Video Input	
		D-SUB 15PIN	Analog PC input x 1	
		5-BNC	D-sub 15 pin	
		MINI DIN 4PIN	S-Video input	
		RCA	Video Input	
		USB	USB Type 'A' Connection / PictBridge input	
	OUTPUT	D-SUB 15PIN	Analog PC output	
		STEREO MINI-JACK	Stereo Audio Output x 1	
	CONTROL	RS-232	D-sub 9pin	
RJ-45		Yes		
LAMP	BUILT-IN SPEAKER	1W (Mono)		
	TYPE	230W NSH (AC)		
	LAMP LIFE (NORMAL / QUIET)	2000 / 2500 Hours		
REMOTE CONTROL	SENSOR	Wireless Infrared, Front / Back		
RATING	FAN NOISE (NORMAL / QUIET)	35 / 31 dB		
	POWER	CONSUMPTION	330W (normal) / 270W (quiet) / 15W (stand-by)	
		VOLTAGE	AC100 to 240V, 50 / 60Hz	
	TEMPERATURE	OPERATING	41° to 95° F (5° to 35° C)	
		STORAGE	- 22° to 104° F (- 30° to 60° C), 5%RH-90%RH	
	DIMENSIONS (W x D x H)	13.0 x 13.4 x 4.8 in. (332 x 340 x 121 mm)		
WEIGHT	11.5 lbs (5.2 kg)			

Photo Image Mode



Ambient light can cause significant changes in the accuracy of the colors being projected. With the Photo Image Mode on the REALiS SX80 Mark II, users can take advantage of added flexibility to ensure optimum color reproduction and image quality. This special mode allows users to adjust for lighting conditions and fine-tune color levels and color temperature. It is ideal for users who are displaying content and cannot control the lighting conditions – such as educators speaking in classrooms or photographers showing their work in an art museum/gallery.

Flexible Compatibility



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OPTIONAL ACCESSORIES

Item Code No.	Description
2678B001	RS-LP05 Replacement Lamp
3098B001	RS-CL10 Ceiling Mount
3096B001	RS-CL08 Ceiling Extension: (16" – 24")*
3097B001	RS-CL09 Ceiling Extension: (24" – 39")*
7502A001	LV-CA29 DVI-D Cable
1332V132	REALiS Projector Case

* Extension for RS-CL10 Ceiling Mount



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DICOM SIMULATION MODE FOR MEDICAL IMAGING*

Canon REALiS Pro AV Series Installation, Compact Installation and Portable LCOS Projectors with DICOM Simulation Mode are designed for medical education and training. DICOM Mode simulates the display output of devices compliant with the Digital Imaging and Communications in Medicine Part 14 standard. These projectors reproduce monochrome digital X-rays, CAT Scans, and MRI's with accurate color and precise detail.*

REALiS PRO AV INSTALLATION LCOS PROJECTORS*



REALiS WUX5000D

- ▶ DICOM Simulation Mode
- ▶ Native WUXGA (1920 x 1200) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ 5000 Lumens
- ▶ 1000:1 Contrast Ratio
- ▶ Motorized Lens Shift, Zoom, and Focus for Flexible Installation
- ▶ Versatile Connectivity (HDMI and DVI-D)
- ▶ RJ-45 for Control over Network
- ▶ Full 10-Bit Color
- ▶ Optional Interchangeable Genuine Canon Lenses



REALiS WUX4000D

- ▶ DICOM Simulation Mode
- ▶ Native WUXGA (1920 x 1200) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4000 Lumens
- ▶ 1000:1 Contrast Ratio
- ▶ Motorized Lens Shift, Zoom, and Focus for Flexible Installation
- ▶ Versatile Connectivity (HDMI and DVI-D)
- ▶ RJ-45 for Control over Network
- ▶ Full 10-Bit Color
- ▶ Optional Interchangeable Genuine Canon Lenses



REALiS WX6000D

- ▶ DICOM Simulation Mode
- ▶ Native WXGA+ (1440 x 900) Resolution
- ▶ AISYS-Enhanced LCOS Technology
- ▶ 5700 Lumens
- ▶ 1000:1 Contrast Ratio
- ▶ Motorized Lens Shift, Zoom, and Focus for Flexible Installation
- ▶ Versatile Connectivity (HDMI and DVI-I)
- ▶ LCOS Panel with 96% Aperture Ratio
- ▶ Outstanding Energy Efficiency
- ▶ Optional Interchangeable Genuine Canon Lenses



REALiS SX6000D

- ▶ DICOM Simulation Mode
- ▶ Native SXGA+ (1400 x 1050) Resolution
- ▶ AISYS-Enhanced LCOS Technology
- ▶ 6000 Lumens
- ▶ 1000:1 Contrast Ratio
- ▶ Motorized Lens Shift, Zoom, and Focus for Flexible Installation
- ▶ Versatile Connectivity (HDMI and DVI-I)
- ▶ LCOS Panel with 96% Aperture Ratio
- ▶ Outstanding Energy Efficiency
- ▶ Optional Interchangeable Genuine Canon Lenses

REALiS PRO AV INSTALLATION PROJECTOR LENSES**



Standard Zoom Lens RS-IL01ST

- Throw Ratio
 - WUX5000 D: 1.49 - 2.24:1
 - WUX4000 D: 1.49 - 2.24:1
 - WX6000 D: 1.62 - 2.43:1
 - SX6000 D: 1.57 - 2.36:1
- 1.5x Powered Optical Zoom Lens



Long Focus Zoom Lens RS-IL02LZ

- Throw Ratio
 - WUX5000 D: 2.19 - 3.74:1
 - WUX4000 D: 2.19 - 3.74:1
 - WX6000 D: 2.38 - 4.06:1
 - SX6000 D: 2.31 - 3.94:1
- 1.7x Powered Optical Zoom Lens



Ultra Wide Angle Lens RS-IL03WF

- Throw Ratio
 - WUX5000 D: 0.80:1
 - WUX4000 D: 0.80:1
 - WX6000 D: 0.87:1
 - SX6000 D: 0.85:1
- 0.8x Fixed Ultra Wide Angle Lens



Ultra Long Focus Zoom Lens RS-IL04UL

- Throw Ratio
 - WUX5000 D: 3.76 - 7.35:1
 - WUX4000 D: 3.76 - 7.35:1
 - WX6000 D: 3.86 - 7.54:1
 - SX6000 D: 3.74 - 7.32:1
- 1.95x Ultra Long Focus Zoom Lens



Short Focus Zoom Lens RS-IL05WZ

- Throw Ratio
 - WUX5000 D: 1.00 - 1.50:1
 - WUX4000 D: 1.00 - 1.50:1
 - WX6000 D: 1.03 - 1.54:1
 - SX6000 D: 1.06 - 1.58:1
- 1.5x Short Focus Zoom Lens

* The REALiS WUX5000 D, REALiS WUX4000 D, REALiS WX6000 D, REALiS SX6000 D, REALiS WUX450 D, REALiS WX520 D, REALiS WUX400ST D, REALiS WX450ST D, REALiS WUX10 Mark II D, REALiS SX7 Mark II D, and REALiS SX80 Mark II D projectors are not cleared or approved for medical diagnosis and should not be used for these purposes.

** Lenses compatible with REALiS WUX5000 D, REALiS WUX4000 D, REALiS WX6000 D and REALiS SX6000 D.





REALiS PRO AV COMPACT INSTALLATION LCOS PROJECTORS*



REALiS WUX450D

- ▶ DICOM Simulation Mode
- ▶ Native WUXGA (1920 x 1200) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4500 Lumens
- ▶ Throw Ratio 1.39-2.51:1
- ▶ Consistent Fixed f/2.8 Aperture With no Brightness Fall-Off Throughout its Entire 1.8x Zoom Range
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency



REALiS WX520D

- ▶ DICOM Simulation Mode
- ▶ Native WXGA+ (1440 x 900) Resolution
- ▶ AISYS-enhanced LCOS Technology
- ▶ 5200 Lumens
- ▶ Throw Ratio 1.43-2.57:1
- ▶ Consistent Fixed f/2.8 Aperture With no Brightness Fall-Off Throughout its Entire 1.8x Zoom Range
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency

REALiS PRO AV SHORT THROW COMPACT INSTALLATION LCOS PROJECTORS*



REALiS WUX400STD

- ▶ DICOM Simulation Mode
- ▶ Native WUXGA Resolution (1920 x 1200)
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4000 Lumens
- ▶ Throw Ratio 0.56:1
- ▶ Lens Shift for Flexible Installation (V: 0-75% / H: ±10%)
- ▶ Electronic Zoom Function with Fixed Top Position
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency



REALiS WX450STD

- ▶ DICOM Simulation Mode
- ▶ Native WXGA+ Resolution (1440 x 900)
- ▶ AISYS-enhanced LCOS Technology
- ▶ 4500 Lumens
- ▶ Throw Ratio 0.57:1
- ▶ Lens Shift for Flexible Installation (V: 0-77% / H: ±10%)
- ▶ Electronic Zoom Function with Fixed Top Position
- ▶ Network Multi Projection
- ▶ Built-in Edge Blending Function
- ▶ Outstanding Power Efficiency

REALiS PORTABLE LCOS PROJECTORS*



REALiS SX7 Mark II D

- ▶ DICOM Simulation Mode
- ▶ Native SXGA+ Resolution (1400 x 1050)
- ▶ 4000 Lumens
- ▶ AISYS-enhanced LCOS Technology
- ▶ Genuine Canon 1.7x Powered Zoom Lens
- ▶ Versatile Connectivity (DVI-I)
- ▶ Throw Ratio 1.46-2.43:1



REALiS SX80 Mark II D

- ▶ DICOM Simulation Mode
- ▶ Native SXGA+ Resolution (1400 x 1050)
- ▶ 3000 Lumens
- ▶ AISYS-enhanced LCOS Technology
- ▶ Genuine Canon 1.5x Powered Zoom Lens
- ▶ Versatile Connectivity (HDMI and DVI-I)
- ▶ Throw Ratio 1.48-2.18:1
- ▶ RJ-45 for Control over Network

*The REALiS WUX5000 D, REALiS WUX4000 D, REALiS WX6000 D, REALiS SX6000 D, REALiS WUX450 D, REALiS WX520 D, REALiS WUX400ST D, REALiS WX450ST D, REALiS WUX10 Mark II D, REALiS SX7 Mark II D, and REALiS SX80 Mark II D projectors are not cleared or approved for medical diagnosis and should not be used for these purposes.

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LV-8235 ULTRA-SHORT THROW PROJECTOR

Superb Imaging Performance and Flexibility

The Canon LV-8235 UST (ultra-short throw) projector features outstanding imaging performance, 2500 lumens and one of the shortest projection throws available on the market. The LV-8235 UST projector can project an 80-inch image from as little as 1.04 feet away, enabling users the freedom to install the device in a variety of locations, including on a desktop or the floor. Ideal for use in educational or business environments, the ultra-short throw distance enables presenters to stay out of the projection, thus preventing shadows from being cast or the light from getting into their eyes. The built-in 10W speaker is also the ideal volume for classrooms or boardrooms. With Auto Set and Auto PC adjustment features, setup is quick and easy. The LV-8235 UST projector features native WXGA resolution (1280 x 800 at 16:10 ratio), a standard resolution found on many widescreen laptops, and a high contrast ratio of 2000:1 which combine to deliver crisp, vivid images with deep blacks. Other advanced features include 3D support (when viewed with active-shutter 3D glasses) as well as an HDMI input which allows for the projection of high quality digital images and high definition 1080p signals.



Key Features

- ▶ Native WXGA (1280 x 800) Resolution
- ▶ 2500 Lumens
- ▶ Ultra-Short Throw
- ▶ 2000:1 Contrast Ratio
- ▶ DLP Technology
- ▶ 3D Support
- ▶ HDMI Input
- ▶ Closed Captioning
- ▶ Wall Color Setting
- ▶ 10-Watt Speaker



The LV-8235 UST projector is configured to project from a range of digital and widescreen sources.

- ▶ Network Connectivity
- ▶ Quiet Operation

Recommended For:

- ▶ Classrooms
- ▶ Showrooms
- ▶ Small Meeting Rooms
- ▶ Art Galleries
- ▶ Museums
- ▶ Small Theaters
- ▶ Retail

LV-8235 UST

LV-8235 Ultra-Short Throw Projector

PRODUCT NAME: LV-8235 UST ITEM CODE: 5805B002 UPC CODE: 013803143263

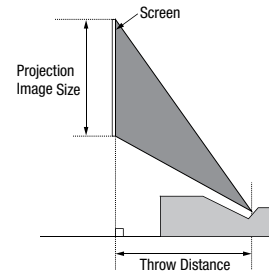
SPECIFICATIONS

BASIC	IMAGING DEVICE		0.65" single-chip DLP
	ASPECT RATIO		16:10
	NATIVE RESOLUTION		WXGA (1280 x 800)
	BRIGHTNESS		2500 Lumens
	UNIFORMITY		78%
CONTRAST		2000:1	
KEYSTONE	VERTICAL	± 5 degrees (Auto / Manual)	
	HORIZONTAL	No	
OPTICS	PROJECTION LENS		F2.5, f=4.83 mm
	ZOOM		0.5x - 2x Digital Zoom (Fixed)
	FOCUS		Manual
	SCREEN SIZE		60"-110"
	THROW DISTANCE		0.75-1.49 ft (23.0-45.5 cm) 80" inch image: 1.04 ft (32.0 cm)
THROW RATIO		0.19:1	
IMAGE ADJUSTMENTS	IMAGE MODE		Standard, Presentation, High Contrast, Cinema, user 1-4
	COLOR ADJUST		Yes
	WALL COLOR CORRECTION		Supports red, blue, yellow, green, blackboard green
	MOUNTING		Ceiling / Rear / Rear-Ceiling / Upwards / Downwards / Wall
TILT ANGLE		Adjustable Front Feet	
INPUT SIGNALS	SCANNING FREQUENCY		H:15-106 kHz, V:24-120 Hz
	ANALOG PC INPUT		WUXGA / UXGA / WSXGA+ / SXGA+ / SXGA / WXGA / XGA / SVGA / VGA / MAC
	DIGITAL PC INPUT		WSXGA+ / SXGA+ / SXGA / WXGA / XGA / SVGA / VGA
	DOT CLOCK		Less than 150 MHz
	ANALOG VIDEO INPUT		NTSC / PAL / SECAM / NTSC4.43 / PAL-M / PAL-N
	COMPONENT VIDEO INPUT		1080i / 720p / 576p / 576i / 480p / 480i
	DIGITAL VIDEO INPUT		1080p / 1080i / 720p / 576p / 576i / 480p
TERMINALS	INPUT	ANALOG PC INPUT	Mini D-Sub 15PIN (VGA)
		DIGITAL PC INPUT	HDMI
		ANALOG VIDEO INPUT	Mini D-Sub 15 PIN (Component) / Mini DIN4 (S-Video) / RCA (Composite)
		DIGITAL VIDEO INPUT	HDMI
		USB	No
	OUTPUT	AUDIO INPUT	3.5 mm (Stereo)
		ANALOG PC OUTPUT	Mini D-Sub 15PIN (VGA)
		AUDIO OUTPUT	3.5 mm (Stereo)
	CONTROL	3D TRIGGER OUTPUT	Mini DIN3 (3D Sync)
		SERIAL	9 PIN D-Sub (RS-232C)
REMOTE CONTROL	NETWORK	RJ-45	
	WIRELESS REMOTE	Wireless Infrared	
BUILT-IN SOUND	SPEAKER		10W (Mono)
LAMP	TYPE		275W NSH (AC)
	LAMP LIFE (NORMAL/QUIET)		2000 / 3000 Hours
	LAMP POWER (NORMAL / ECO)		275W / 220W
RATINGS	FAN NOISE (NORMAL/QUIET)		36dB / 28dB
	POWER	CONSUMPTION	400W (Normal) / 320W (Eco) 10.3W (Standby-Normal) / 0.47W (Standby-Eco)
		VOLTAGE	AC 100-240V, 50/60 Hz
	TEMPERATURE	OPERATING	41°-104°F (5°-40°C), 20-80% RH
		STORAGE	14°-140°F (-10°-60°C)
DIMENSIONS (W X D X H)		12.6 x 7.0 x 15.2 in. (320 x 178 x 386 mm) (with protrusions)	
WEIGHT		13.7 lbs (6.2 kg)	
PACKAGING	BOX (QUANTITY = 1)	DIMENSIONS (L x W x H)	19.8" x 18" x 14.6"
		WEIGHT	21.9 lbs
	CARTON (QUANTITY = 1)	DIMENSIONS (L x W x H)	19.8" x 18" x 14.6"
		WEIGHT	21.9 lbs
	PALLET (QUANTITY = 12)	DIMENSIONS (L x W x H)	48" x 40" x 49.8"
		WEIGHT	262.8 lbs

OPTIONAL ACCESSORIES

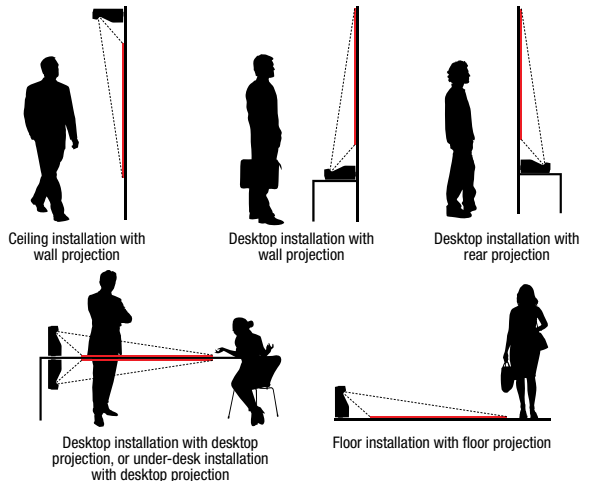
Item Code No.	Description
9270A001	Component Adapter Cable LV-CA32
5810B001	Wall Mount Kit LV-WL01
5811B001	Remote Control LV-RC05
5806B001	Replacement Lamp LV-LP36

PROJECTION IMAGE SIZE AND THROW DISTANCE



Projection Image Size		Throw Distance
Diagonal (16:9)	Image Size (W x H)	
60 in.	4.24 x 2.65 ft.	0.75 ft.
74.6 in.	5.28 x 3.3 ft.	0.97 ft.
80 in.	5.65 x 3.53 ft.	1.04 ft.
110 in.	7.77 x 4.86 ft.	1.49 ft.

APPLICATION EXAMPLES



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LE-5W

MULTIMEDIA PROJECTOR

Ultra-Portable LED Projector

Designed for the growing mobile device market of tablets and smartphones, the compact and lightweight Canon LE-5W Multimedia Projector is an ideal traveling companion for sales/account representatives who need to quickly and vividly share presentations or other visual information with clients. Weighing just 3.5 lbs. and featuring 500 lumens of brightness with an 1280 x 800 (WXGA) resolution and superb color fidelity, the LE-5W has a throw ratio (1.2:1) that achieves large-screen projections even in tight spaces. Featuring built-in 2.5 watt stereo speakers, the LE-5W is also perfect for home viewing of movies, video games, and still images from PC's, Blu-ray players, game consoles, and digital cameras via its HDMI, USB, and RCA connectors. A five-color wall-projection mode makes practically any wall a suitable display screen. Available with either a black or white cover, the LE-5W can also provide "PC-free" presentations directly from a USB thumb drive, SD card, or its own built-in 1.5GB memory.



Key Features

- ▶ Lightweight and Compact (3.5 lbs.)
- ▶ WXGA Resolution
- ▶ 1.2:1 Throw Ratio
- ▶ 3000:1 Contrast Ratio
- ▶ 3LED Technology
- ▶ Quick On and Off
- ▶ Wide Range of Connectivity
- ▶ High Portability and Flexibility
- ▶ 20,000 Hour Life LEDs



LE-5W is able to project within a mere 4 seconds after turning on power. The cooling fan stops 0.5 seconds after turning off power.

- ▶ Multiple Projection Modes
(Standard, Presentation, Movie, sRGB, User)

Recommended For:

- ▶ Mobile Presentations
- ▶ Small Office/Home Office
- ▶ Corporations
- ▶ Home Entertainment
- ▶ Video/Social Games
- ▶ Personal Photography

LE-5W



LE-5W MULTIMEDIA PROJECTOR

PRODUCT NAME: LE-5W BK ITEM CODE: 8483B002 UPC CODE: 013803218411 | PRODUCT NAME: LE-5W WH ITEM CODE: 8488B002 UPC CODE: 013803219975

SPECIFICATIONS

BASIC	IMAGING DEVICE	0.45" DLP panel	
	ASPECT RATIO	16:10	
	NATIVE RESOLUTION	1280 x 800	
	BRIGHTNESS	500 Lumens	
	UNIFORMITY	85%	
	CONTRAST RATIO	3000:1	
OPTICS	KEYSTONE CORRECTION	VERTICAL ± 40° (Auto / Manual)	
	THROW RATIO	1.2:1	
IMAGE ADJUSTMENTS	IMAGE MODE	Standard, Presentation, Movie, sRGB, User	
	MOUNTING	Front, Rear, Front-Ceiling, Rear-Ceiling	
	TILT ANGLE	0-6 degrees	
INPUT SIGNALS	DIGITAL PC INPUT	WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA	
	ANALOG PC INPUT	WSXGA+ / SXGA+ / WXGA+ / WXGA / SXGA / XGA / SVGA / VGA	
	SCANNING FREQUENCY	H - Sync: 31-102 KHz V - Sync: 23-120 KHz	
	DIGITAL VIDEO INPUT	1080p / 1080i / 720p / 576p / 576i / 480p / 480i	
	COMPONENT INPUT	1080p / 1080i / 720p / 576p / 576i / 480p / 480i	
	COMPOSITE VIDEO INPUT	NTSC / NTSC4.43 / PAL / SECAM / PAL- M / PAL- N / PAL- 60	
TERMINALS	HDMI	Digital PC / Digital Video Input	
	MINI D-SUB 15PIN	Analog PC / Component Video Input	
	RCA	Composite Video Input	
	SD/SDHC MEMORY CARD SLOT	Input x 1 (up to 32GB)	
	STEREO MINI-JACK	Stereo Input x 1 / Stereo Output x 1	
	USB	USB- A x 1 / mini- B USB x 1	
BUILT-IN SOUND	INTERNAL SPEAKER	2.5 watt x 2 (Stereo)	
REMOTE CONTROL	SENSOR	Wireless Infrared	
LIGHT SOURCE	TYPE	Luminus PT- 54 R, G, B LED	
	POWER	81W (Normal) / 55W (Eco)	
	LIFE	20,000 hrs.	
MULTIMEDIA	VIDEO COMPATIBILITY	MJPEG, MPEG1, MPEG2, MPEG4, H.264, XVID, VC-1	
	PHOTO COMPATIBILITY	JPEG, BMP	
	AUDIO COMPATIBILITY	LPCM, OGG, AAC, AMR, WMA, PCM, ADPCM	
	DOCUMENT COMPATIBILITY	Word(doc,docx), Excel(xls,xlsx), PDF1.2-1.4, PowerPoint(ppt, pptx)	
RATINGS	FAN NOISE	38 dB (Normal) / 32 dB (Eco)	
	POWER	CONSUMPTION	130W (Normal) / 100W (Eco) / 0.5W (Standby)
		VOLTAGE	AC100 ~ 240V, 50 / 60 Hz
	OPERATING TEMPERATURE	32° to 104°F (0° to 40°C)	
	DIMENSIONS (W X D X H)	9.8 x 7.6 x 2.16 in. (248 x 193 x 54.9mm) (Including protruding parts)	
WEIGHT	3.5 lb. (1.6kg)		

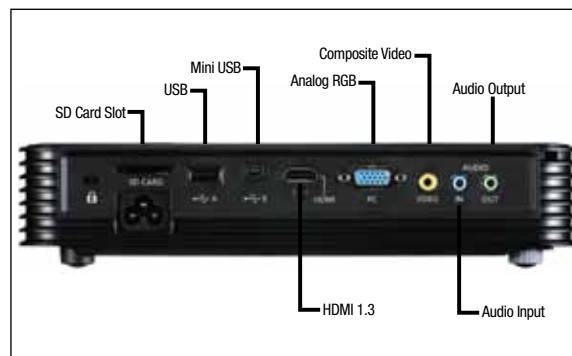
KEY FEATURES / TECHNOLOGY

High Portability and Flexibility

The Multimedia Projector LE-5W's lightweight portability is complemented by its versatility, no matter where it is set up. With its impressive throw ratio, it makes a big picture in small places—users can be confident that the LE-5W projector will do the job. It features a tripod socket, expanding the range of locations where it can be used. With its flexible setup options, working well even without a projection screen, it's incredibly easy to operate. And with its attractive design, near-instant startup and easy connectivity, it's the perfect projector to bring along for off-site presentations, client visits, even to show photos or movies with friends.



Wide Range of Connectivity



OPTIONAL ACCESSORIES

Item Code No	Description
8484B001	LE-RC01 Remote Controller

CONTENTS OF KIT

• Projector	• VGA Cable	• Quick Start Guide (Book)
• Remote Control (with Lithium battery)	• Soft Carrying Case	• Box with UPC code
• AC Power Cord	• Warranty card(U)	
	• User Manual (Multi,CD-ROM)	

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LV SERIES MULTIMEDIA LCD PROJECTORS

Compact Easy-to-Use

Canon's LV Series Multimedia LCD Projectors deliver vivid image quality with high-end features at affordable prices. Models include the high brightness 4000 lumen LV-7490 to the 16:10 widescreen native WXGA-resolution LV-8320 and LV-8227A. All LV Series projectors are ideal for presenters seeking to display bright, high quality images and videos with a compact, portable form factor.



LV-8320

- ▶ Native WXGA Resolution (1280 x 800)
- ▶ 3000 lumens
- ▶ 1.6x Optical Zoom Lens
- ▶ HDMI Input
- ▶ Built-in Network Connection



LV-8227A

- ▶ Native WXGA Resolution (1280 x 800)
- ▶ 2500 lumens
- ▶ 1.2x Optical Zoom Lens
- ▶ HDMI Input
- ▶ 3000:1 Contrast Ratio



LV-7490

- ▶ Native XGA Resolution (1024 x 768)
- ▶ 4000 lumens
- ▶ 1.2x Optical Zoom Lens
- ▶ 2000:1 Contrast Ratio
- ▶ Built-in Network Connection



LV-7392A

- ▶ Native XGA Resolution (1024 x 768)
- ▶ 3000 lumens
- ▶ 1.2x Optical Zoom Lens
- ▶ HDMI Input
- ▶ 2000:1 Contrast Ratio



LV-7297M

- ▶ Native XGA Resolution (1024 x 768)
- ▶ 2600 lumens
- ▶ 1.2x Optical Zoom Lens
- ▶ HDMI Input
- ▶ 500:1 Contrast Ratio



LV-7292M

- ▶ Native XGA Resolution (1024 x 768)
- ▶ 2200 lumens
- ▶ 1.2x Optical Zoom Lens
- ▶ HDMI Input
- ▶ 500:1 Contrast Ratio

LV SERIES MULTIMEDIA LCD PROJECTORS

Canon



LV-8320 / LV-8227A / LV-7490 / LV-7392A / LV-7297M / LV-7292M

PRODUCT NAME (ITEM CODE) LV-8320 (5320B002) / LV-8227A (6830B002) / LV-7490 (5315B002) / LV-7392A (6827B002) / LV-7297M (6831B002) / LV-7292M (6832B002)

SPECIFICATIONS

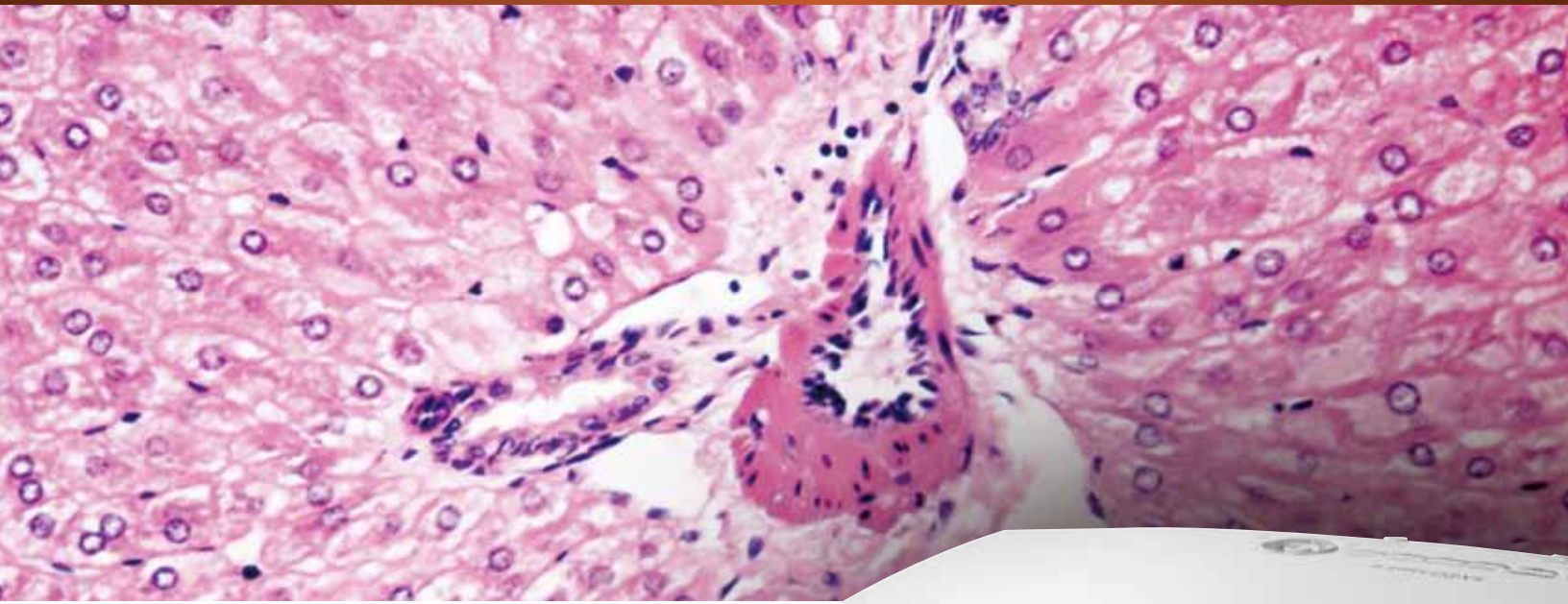
		LV-8320 / LV-8227A	LV-7490	LV-7392A / LV-7297M / LV-7292M	
BASIC	PRODUCT NAME	LV-8320 / LV-8227A	LV-7490	LV-7392A / LV-7297M / LV-7292M	
	IMAGING DEVICE	0.59" Active Matrix x 3	0.63" Active Matrix x 3	LV-7392A: 0.63" Active Matrix x 3 LV-7297M & LV-7292M: 0.55" Active Matrix x 3	
	ASPECT RATIO	16 : 10	4 : 3	4 : 3	
	NATIVE RESOLUTION	WXGA (1280 x 800)	XGA (1024 x 768)	XGA (1024 x 768)	
	BRIGHTNESS	LV-8320: 3000 Lumens LV-8227A: 2500 Lumens	4000 Lumens	LV-7392A: 3000 Lumens LV-7297M: 2600 Lumens LV-7292M: 2200 Lumens	
	UNIFORMITY	85%	85%	85%	
	CONTRAST RATIO	LV-8320: 2000:1 LV-8227A: 3000:1 (Auto Iris)	2000:1	LV-7392A: 2000:1 LV-7297M & LV-7292M: 500:1	
AUTO IRIS	LV-8320: Yes LV-8227A: Yes	Yes	LV-7392A: Yes LV-7297M/7292M: No		
OPTICS	KEYSTONE	± 30 degrees (Manual) ± 20 degrees (Auto)	± 30 degrees (Manual) ± 20 degrees (Auto)	± 30 degrees (Manual) ± 20 degrees (Auto)	
	VERTICAL				
	PROJECTION LENS	LV-8320: F1.65 - 2.33 / f=15.47 - 24.53 mm LV-8227A: F2.0 - 2.15 / f=18.38 - 22.06 mm	F1.6 - 1.76, f= 22.3 - 26.8 mm	F2.0 - 2.15, f= 18.38 - 22.06 mm	
	LENS OFFSET	LV-8320: 49:1, LV-8227A: 13:1	9:1	6:1	
	ZOOM	LV-8320: 1.6 x Zoom (Manual) LV-8227A: 1.2 x Zoom (Manual)	1.2 x Zoom (Manual)	1.2 x Zoom (Manual)	
	FOCUS	Manual	Manual	Manual	
	SCREEN SIZE	LV-8320: 30" - 300" LV-8227A: 40" - 300"	40" - 300"	40" - 300"	
PROJECTION DISTANCE COVER	LV-8320: 2.43 - 25.16 ft. (.74 to 7.67m) LV-8227A: 3.9 - 36.4 ft. (1.2 - 11.1m)	4.59 - 41.66 ft (1.4 - 12.7 m)	LV-7392A: 3.6 - 34.5 ft (1.1 - 10.5 m) LV-7297M & LV-7292M: 4.3 - 38.7 ft (1.3 - 11.8 m)		
IMAGE ADJUSTMENTS	THROW RATIO	LV-8320: 1.18 - 1.91:1 LV-8227A: 1.42 - 1.71:1	1.75 - 2.13:1	LV-7392A: 1.42 - 1.71:1 LV-7297M & LV-7292M: 1.6 - 1.93:1	
	IMAGE MODES	Presentation, Standard, High Contrast, Cinema, Blackboard (Green), Colorboard, User 1-4	Presentation, Standard, High Contrast, Cinema, Blackboard (Green), Colorboard, User 1-4	Presentation, Standard, High Contrast, Cinema, Blackboard (Green), Colorboard, User 1-4	
	WALL CORRECTION	Yes	Yes	Yes	
	IMAGE FLIP	Ceiling / Rear / Rear-Ceiling	Ceiling / Rear / Rear-Ceiling	Ceiling / Rear / Rear-Ceiling	
	TILT ANGLE	12 degrees for LV-8320 10 degrees for LV-8227A	Adjusting foot up to 12 degrees	Adjusting foot up to 10 degrees	
INPUT SIGNALS	DIGITAL PC INPUT	HDMI	N/A	HDMI	
	ANALOG PC INPUT	WUXGA / UXGA / SXGA+ / SXGA / WXGA+ / WXGA / XGA / SVGA / VGA / MAC	WUXGA / UXGA / SXGA+ / SXGA / WXGA+ / WXGA / XGA / SVGA / VGA / MAC	WUXGA / UXGA / SXGA+ / SXGA / WXGA / XGA / SVGA / VGA / MAC	
	COMPOSITE / S-VIDEO INPUT	NTSC / PAL / SECAM / NTSC4 43 / PAL-M / PAL-N	NTSC / PAL / SECAM / NTSC4 43 / PAL-M / PAL-N	NTSC / PAL / SECAM / NTSC4 43 / PAL-M / PAL-N	
	COMPONENT INPUT	1080i / 720p / 576p / 576i / 480p / 480i	1080i / 720p / 576p / 576i / 480i	1080i / 720p / 576p / 576i / 480p / 480i	
	DIGITAL VIDEO INPUT	HDMI	N/A	HDMI	
TERMINALS	INPUT	MINI D-SUB 15PIN-1	Analog RGB / Component Video / S Video Input	Analog RGB / Component Video / SCART Input	Analog RGB / Component Video / S Video Input
		MINI D-SUB 15PIN-2	Analog RGB Input (LV-8320 only)	Analog RGB Input	N/A
		RCA	Composite Video Input	Composite Video Input	Composite Video Input
		MINI DIN 4PIN	S-Video Input (LV-8320 only)	S-Video Input	N/A
		MINI-JACK	Stereo Audio Input x 2 / MIC Input	Stereo Audio Input x 2 / MIC Input	Stereo Audio Input x2 / MIC Input
	OUTPUT	MINI D-SUB 15PIN	Analog RGB Input (LV-8320 only)	Analog RGB Output	N/A
		MINI-JACK	Stereo Audio Output	Stereo Audio Output	Stereo Audio Output
	CONTROL	D-SUB 9PIN	RS-232C	RS-232C	RS-232C
NETWORK		RJ-45	RJ-45	LV-7392A: RJ-45 LV-7297M: N/A, LV-7292M: N/A	
LAMP	BUILT-IN SPEAKER	10W (Mono)	10W (Mono)	LV-7392A: 10W (Mono) LV-7297M & LV-7292M: 1W (Mono)	
	TYPE	LV-8320: 245 UHP LV-8227A: 215 UHP	245W UHP (AC)	215W UHP	
	LAMP LIFE (NORMAL / QUIET)	LV-8320: 3000 / 5000 hours LV-8227A: 4000 / 6000 hours	3000 / 5000 hours	4000 / 6000 hours	
RATINGS	FAN NOISE	LV-8320: 34 (Normal) / 29 (Eco) LV-8227A: 36.4 (High) / 34.4 (Normal) / 29 dB (Eco)	N/A	36.4 (High) / 34.4 (Normal) / 29 dB (Eco)	
	DIMENSIONS (W x D x H)	LV-8320: 13.77 X 10.90 X 3.8 in. (350 x 277 x 97 mm) LV-8227A: 13.13 x 9.72 x 3.98 in. (333.5 x 247 x 101 mm)	13.77 x 10.01 x 3.44 in. (350 x 254.4 x 87.5 mm)	13.13 x 9.72 x 3.98 in. (333 x 247 x 101 mm)	

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UNC's Department of Radiation Oncology Trusts Canon REALiS SX80 Mark II D Projectors To Provide Accurate Color And Precise Detail For Important Medical Images



Accurate color and precise detail are crucial for analyzing medical imagery, as even the subtlest nuances can yield critical information in grayscale CT scans and other types of radiology. Among the many institutions scrutinizing such images on a regular basis is the University of North Carolina School of Medicine's Department of Radiation Oncology. When this advanced research center recently sought to upgrade its video-display capabilities with new, accurate, and affordable technology, they chose two REALiS SX80 Mark II D Multimedia LCOS Projectors from Canon U.S.A., Inc., a leader in digital imaging.

"The medical requirements for a good projector are that it provides very accurate color representation, stable images, readable small print, and very quiet operation," noted Dr. Julian Rosenman, of the University's department of Radiation Oncology. "On all of these aspects, we have been very pleased with the Canon REALiS SX80 Mark II D."

Industry

- ▶ Education

Customer

- ▶ University of North Carolina
Department of Radiation Oncology

Usage

- ▶ Medical Imaging
- ▶ Telemedicine
- ▶ Medical Education

REALiS SX80 Mark II

Canon



“We do a lot of tumor boards and telemedicine meetings in which doctors view medical images to make treatment decisions,” Dr. Rosenman elaborated. “These images can range from color histology slides, to black & white CT scans displaying critical shades of gray, to everything in between. This is why the color accuracy of projected images is so important.”

Utilizing two ceiling-mounted Canon REALiS SX80 Mark II D Projectors, the University’s doctors and medical students display multiple sets of image data for dual-projection image comparison and analysis. The two projectors are also used for telemedicine as images displayed by the REALiS SX80 Mark II D Projectors and pictures of the doctors are captured by a video conferencing camera for live consultation with other medical professionals in distant locations. “Dual projection is a ‘must’ for patient review and for telemedicine,” Dr. Rosenman explains. “Two different kinds of data are projected to confirm that they are compatible and correct with respect to each other. Image stability is also very important when you are comparing medical data. I don’t know how Canon does it, but the REALiS SX80 Mark II D Projectors reject the jitter and 60-cycle interference caused by the other electrical equipment we’ve got going. With these REALiS projectors you don’t see rolling bars or visible beat frequencies.”

The DICOM Simulation Mode found on the Canon REALiS SX80 Mark II D has quickly made this product popular amongst medical educators. This special mode simulates the results of a DICOM (Digital Imaging and Communications in Medicine) Part 14 compliant device, which is a standardized display function for display of grayscale images. Canon’s DICOM Simulation Mode allows users to calibrate directly on the projector

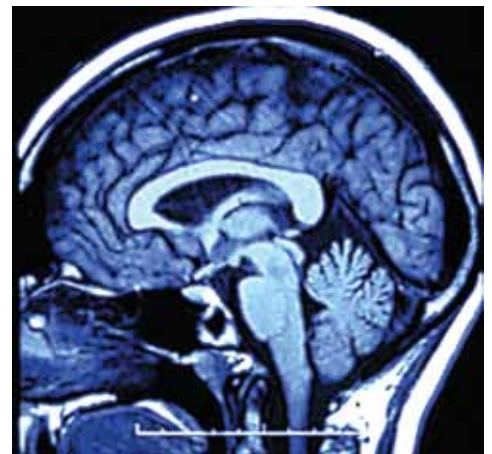
“We’ve had experience with a lot of projectors over the years, and we’re very happy with the Canon REALiS SX80 Mark II D,” Dr. Rosenman concluded.

“The medical requirements for a good projector are that it provides very accurate color representation, stable images, readable small print, and very quiet operation. On all of these aspects, we have been very pleased with the Canon REALiS SX80 Mark II D.”

using 21 different levels of grayscale gradation - this is a key benefit as the purchase of additional equipment can be very costly.

The REALiS SX80 Mark II D Projector features Canon’s advanced LCOS technology which is best known for producing intricately detailed images with exceptional color reproduction. “We are very pleased with the color accuracy of the REALiS SX80 Mark II D,” Dr. Rosenman added. “It’s annoying to give a talk with a PowerPoint presentation and see that the slides on the screen don’t look the way they do on your laptop. With the REALiS projectors, however, the color fidelity is very true.”

“We’ve had experience with a lot of projectors over the years, and we’re very happy with the Canon REALiS SX80 Mark II D,” Dr. Rosenman concluded. “These are the smallest, quietest, and most stable projectors



we’ve ever had. They also don’t throw off a lot of heat, which is important when you’ve got 20 people in the room.” ■



Canon REALiS WUX4000 Installation LCOS Projectors and XF305 Professional HD Camcorders Create Value for a University's Video Display and Capture Requirements

Set amid the majestic hills of Aliso Viejo, Calif., Soka University is a private four-year liberal arts college and graduate school. Among the many impressive buildings on its picturesque 103-acre campus is the new Soka Performing Arts Center. Designed and built to the highest standards, the Center is one of three campus locations recently outfitted with REALiS WUX4000 installation LCOS projectors from Canon U.S.A., Inc., a leader in digital imaging solutions. Displaying bright 4000-lumen higher-than-HD-resolution (1920 x 1200) widescreen 16:10 video and still images, a total of four REALiS WUX4000 projectors are used to present a variety of visual content at this prestigious University.

"The Soka Performing Arts Center is a stunning space both visually and acoustically," noted Sam Morales, associate technical service manager at the University. "We wanted to have a zero-compromise facility in terms of the equipment that we put into that space, and that's why we chose Canon REALiS WUX4000 projectors."

Initially discouraged by the cost of large-venue projectors for the 1200-seat Soka Performing Arts Center, Morales and his team looked instead for a display solution for the smaller 180-seat black-box theater in the Academic Building. Their search led them to the Canon REALiS WUX4000

Industry

- Education

Customer

- Soka University

Usage

- Video Presentation and Production

REALiS WUX4000 / **XF305**

Canon

installation LCOS projector, which proved to be the right choice for both venues.

“I was skeptical that the Canon REALiS WUX4000 would even work in the black box theater, since it didn’t even have a projection screen in it,” he recalled. “What it does have is an almost transparent cyclorama with a non-reflective surface. But when we fired-up the REALiS WUX4000 and saw how it looked, we were amazed. The pictures were really sharp even though we intentionally used dark imagery to see what kind of detail we could get out of the projector. The results were so good that we felt immediately compelled to purchase one for that theater.”

Impressed with the performance of the Canon REALiS WUX4000, Morales and his team also tested it in the Soka Performing Arts Center. What they saw resulted in their decision to purchase not one but three more of the projectors. Two are stacked in the Center and another was installed in a large classroom.

“Even from 100 feet away, one Canon REALiS WUX4000 projector can do the job in the Center with good HD quality with proper brightness and contrast,” he said. “It’s also quite a cost savings, when you consider that the projection lamp for the first large-venue projector we looked at cost almost as much as an entire REALiS WUX4000. There are absolutely no grids in the picture like you see with LCD projectors and the overall quality is fantastic.”

Employing Canon’s fourth-generation proprietary AISYS-enhanced LCOS optical engine, the REALiS WUX4000 projector delivers crisp, seamless images with intricate detail, high brightness, high contrast and accurate color. LCOS (Liquid Crystal on Silicon) is a next-generation display technology utilizing tightly packed pixels providing excellent image quality. Canon’s proprietary AISYS (Aspectual Illumination System) technology further increases the display advantages of LCOS by efficiently utilizing and equalizing light from the projector lamp. Featuring an easy-access lamp, air filter, and optical filter, and a choice of three interchangeable Genuine Canon projection lenses to suit a variety of presentation environments, the REALiS WUX4000 also provides quiet operation.

“Acoustics are the primary focus of the hall and we found that we can actually put the Canon REALiS WUX4000 projector right in the middle of the seats and it doesn’t bother anyone,” Morales stated. Canon projection lenses chosen for Soka University’s REALiS WUX4000’s include a 1.7x long-focus zoom for the large classroom and a 1.5x zoom for the black box theater. Both lenses are used in the Soka Performing Arts Center, depending on which of its multiple projection screens are being used.

Versatile HD Video Capture

REALiS WUX4000 installation LCOS projectors aren’t the only Canon professional imaging products being used at Soka University, Morales revealed. The institution also has ten Canon XF305 Professional HD Camcorders mounted on custom-made robotic arms in both the Center and the black box theater. Easily removable from their mounts, the XF305 Professional HD Camcorders are used for a variety of production tasks at the University.

“The Canon XF305 is actually designed for hand-held ENG-style shooting, but we also use them as robotic-style HD cameras,” Morales explained. “In our custom mounts they can do everything that traditional robotic HD cameras can, and at a third of the price. They are fantastic HD cameras for performing arts centers and concert halls, where discretion is of the outmost importance. A larger HD camera would be too aesthetically cumbersome for those spaces.”

The Canon XF305 Professional Camcorder records Full HD video directly to Compact Flash cards. Equipped with three high-sensitivity Canon native 1920 x 1080 CMOS sensors, the XF305 features a Genuine Canon 18x HD zoom lens with Instant AF and a Full Manual Focus mode with mechanical “hard” end stops and distance markers. Weighing just 6 lbs., the XF305 includes a 4-inch, 1.23-megapixel LCD monitor (with built-in waveform and vector scope display) that can be positioned at either the right or left side of the camera body. The XF305 also includes an industry-standard HD-SDI output, a genlock input, and SMPTE time code (in/out) terminals for multi-camera productions. Equipped with Canon’s advanced MPEG-2 4:2:2 50Mbps XF Codec for exceptional image quality, the XF305 employs the MXF File Wrapper for robust workflow and compatibility with all leading non-linear editing systems.

“These Canon XF305 HD cameras are very versatile,” Morales adds. “We can take them off of the robotic mounts and use them at different locations on campus. I keep one in my office and have taken it up in a helicopter to shoot aerial views. We also use them in our recreation center, where we hold our yearly gala. In the past we hired a crew with its own cameras. This year they used our Canon XF305 HD cameras and we saved thousands on rental fees.”

Named after a Japanese word that means “to create value,” Soka University’s choice of image projection and capture technologies do much to fulfill that goal, according to Morales. ■

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