PRESENTING EXCELLENCE.
LOOKING FOR EXCELLENCE IN PRESENTATION TECHNOLOGY? YOU'VE COME TO THE RIGHT SOURCE. FOR OVER 70 YEARS, CANON'S HERITAGE IN OPTICS AND COLOR MANAGEMENT REMAINS UNRIVALLED.

UNLIKE OTHER MANUFACTURERS, CANON'S MAIN FOCUS IS THE OPTICAL SCIENCES. WE SPEND SIGNIFICANT R&D RESOURCES IN CULTIVATING GROWTH IN THE FIVE "IMAGING ENGINES" – IMAGE CAPTURING, ELECTROPHOTOGRAHY, INKJET PRINTING, PHOTOLITHOGRAPHY AND DISPLAYS – AND THESE EXCITING BREAKTHROUGHS BENEFIT EVERY CANON PRODUCT, INCLUDING, OF COURSE, CANON REALIS PROJECTORS WITH LCOS (LIQUID CRYSTAL ON SILICON) TECHNOLOGY. FROM THE CREATION OF THE INCOMPARABLE CANON LENS TO CANON'S HIGH-ACCURACY COLOR MANAGEMENT SYSTEM, CANON OPTICS ARE BEST-OF-BREED. THE IMAGE OF PERFECTION.
What’s the LCOS technology advantage?
Lattice-free, seamless images and smooth, film-like quality video.

Say goodbye to annoying visual distractions common with LCD projectors, such as the grid-like pixel patterns known as “screen door effect.” Compared to LCD panels, LCOS panels result in smaller gaps seen between pixels – virtually eliminating the screen door.

Single-chip DLP projectors can produce troublesome red-green-blue spots, frequently referred to as a “rainbow effect.” LCOS panel technology does not have this problem inherent to single-chip DLP projectors.

The seamless images projected using LCOS panels result in images with realistic depth and intricate detail. Fine lines are displayed accurately and clearly. Small text is crisp and dark (even at 7pt.), making it easy to read. Thanks to the fast response time of LCOS panels, high-definition video leaps off the screen with breathtaking quality and integrity.

There’s no comparison. The advantages of LCOS are easy to see for both presenter and audience alike: crisp, clean images with deep contrast, fine grain and sharp resolution.

There’s no clearer choice than REALiS Multimedia Projectors.

### Comparing Technologies

#### LCOS Projector
- Three-Panel

#### LCD Projector
- Three-Panel

#### DLP Projector
- Single-Chip

#### Seeing The Difference

Canon REALiS projectors use LCOS technology which virtually eliminates the appearance of gaps between pixels that exist in LCD and DLP projectors. Truth is, all three projector systems can provide equally high pixel counts. But here is the difference. With LCD, the panels contain pixels framed by drive circuits that obstruct a portion of the light from transmitting onto the screen. For DLP projectors, the chips are made of tiny reflective mirrors, one per pixel. These mirrors tilt back and forth based on the information of the images to be projected. As they tilt, the mirrors can create shadows which may give the appearance of spaces between pixels.

Images shown are for illustration purposes only. Simulated images displayed based on differences in aperture ratio for projectors using LCOS (>90%), LCD (60%), and DLP (<90%).
Taking LCOS to the Next Level

Rarely satisfied and never complacent, count on Canon — and only Canon — to develop a method for making LCOS technology even better. Our proprietary AISYS Optical Engine efficiently utilizes and equalizes light from the projector lamp, thereby boosting the performance of both key functions: brightness and contrast. AISYS, which stands for Aspectual Illumination System, increases brightness and contrast together; one function never sacrifices the other, and that’s a capability only Canon can deliver.

Image quality is optimized thanks to new optical elements that were incorporated into the illumination optical system, enhancing the uniformity of light. Technically speaking, the Polarizing Beam Splitters (PBS) in the color separation and recombination system are now designed for more precise light control. AISYS even allows us to produce a more compact unit, reducing unit weight and cost.

What does all this science mean to you? It means no one does LCOS like Canon. REALiS projectors bring you a whole new standard in bright, beautiful, high-definition, high contrast images. REALiS assures a captivated audience. REALiS assures confident presenters. REALiS brings you the next level in LCOS performance.

Canon’s proprietary AISYS Optical Engine makes it possible to incorporate LCOS reflective LCD panels in a compact projector, previously considered an impossible goal in projector design.
Whether you’re in the engineering, architecture or business field...in healthcare, higher education or government...in fine arts, fashion or graphic design...if you’re in the business of making impressions, impress your audience with REALiS Multimedia Projectors.

**Engineering, Architecture & Business**
- The fine lines of blueprints and renderings are visible in clear detail.
- Contrast and accurate shadowing maximize form and texture.
- Tiny type is clearly readable and complex charts spring to life.

**Healthcare, Higher Education & Government**
- Anatomical imagery and microscopic photography are recreated true-to-life.
- Historical documents and photos display stunning resolution.
- Intricate charts, maps and grids are easily viewed from a distance.

**Fine Arts, Fashion & Graphic Design**
- Even the subtlest hues and color gradations are reproduced with amazing clarity.
- Crisp contrast and accurate grayscale help produce a true picture.
- Fine detail and razor resolution add depth, dimension and drama.
REALiS Simple.
REALiS Spectacular.

SIMPLY PUT, OUR CANON REALiS MULTIMEDIA PROJECTOR LINEUP PROVIDES POWERFUL FEATURES AND LEADING PERFORMANCE THAT EXCEED THE MOST DEMANDING QUALITY EXPECTATIONS — FROM PROFESSIONALS IN A VARIETY OF FIELDS. YES, THERE ARE OTHER PROJECTORS AVAILABLE, BUT CANON SIMPLY DOES IT BEST.

Genuine Canon Optics

In Canon's REALiS Series, the lens configuration is a six-group assembly with 12 elements and four moving groups, featuring one UD lens and two high-precision double-sided aspherical lenses. The result: amazing clarity.

The new 1.5x Powered Zoom Lens has been engineered to accommodate LCOS reflective LCD panels. And, with our new 10:0 lens offset, REALiS projectors can now be pulled back even further without the image hitting the table or the ceiling. This minimizes the need for keystone correction. (See chart on opposite page.)

The 1.7x Powered Zoom Lens gives you a diagonal screen size range of 40” when placed 3.9” away and 100” at 9.8” away. With a maximum screen size of 300”, REALiS projectors adapts to virtually any room. The incorporation of a dual-sided aspherical lens in the optical array suppresses distortion and keeps peripheral image distortion to an absolute minimum. The result is enhanced resolution for accurate reproduction of highly detailed images.

This exciting new technology means Canon now offers a WUXGA LCOS projector, featuring superior brightness, spectacular image quality and flexible operational functions — all in a conveniently compact and cost-effective package. In fact, the latest notebook PCs already support native WUXGA, an ideal solution for today’s HD and Blu-Ray content. (See chart A)

Chart A
Amazing Color Quality and Control

Canon’s high-accuracy Color Management System (CMS) ensures accurate color reproduction for an extended color space and compensates for color variances due to lighting differences. The advantage: true HD-quality color even in the toughest conditions.

Adobe RGB Color Match System

Proprietary color filters incorporated into the AISYS optical system deliver exceptional accuracy and detail in both Adobe RGB and sRGB modes. This is ideal for professional photography, design, publishing, printing and fine art, where color integrity is crucial.

6-Axis Color Adjustments

A 6-Axis Color Adjustment function meets and exceeds the demands of professionals with demanding color requirements. Both hue and saturation can be adjusted independent of RGB and CMYK color axes.

Crisp Blacks Enhance Shadow Detail

Precise control prevents the excess leakage of light, producing rich, detailed gradations even in the shadowed portions of images – recreating depth and dimension with stunning drama and realism.
Screen Aspect Modes
Canon REALiS projectors operate brilliantly in both 4:3 aspect ratio and 16:9 aspect ratio. So, no matter which screen you own, you won’t need to purchase another.

16:9 Digital Image Shift

Digital Image Shift UP

Digital Image Shift DOWN

Before Shift

After Shift

16:9 Screen Aspect Mode

Watch 4:3 content on a 16:9 screen

Watch 16:9 content on a 16:9 screen

Dynamic Gamma
When dynamic gamma is “on,” gamma is automatically adjusted to optimum values. This feature is vital for projecting rapidly moving images. Each frame is displayed with optimum contrast balance to prevent washed-out whites and blocked-up blacks.

AC Projector Lamp
A newly engineered AC lamp boosts the purity of projected reds and greens. Built for extended life as well, it not only ensures more vivid images, it also means a better value.

Image Modes
REALiS projectors allow you to select the image mode that best suits the characteristics of your content. For example, select “Presentation” mode for briefings and conferences or “Adobe RGB” or “sRGB” when color fidelity is essential. The model SX60 even comes equipped with a home cinema filter, making it ideal for this entertainment application. (see below)

Photo Image Mode
For highly precise color temperature and color level adjustments, Canon has incorporated Photo Image Mode into select REALiS projectors. Ideal for displaying digital camera images, Photo Image Mode provides clearly defined gradations and improved color reproduction.

DICOM Simulation Mode
DICOM, or Digital Imaging and Communication in Medicine Simulation Mode, allows medical professionals to produce high-resolution images with twenty-one different levels of grayscale gradation for displaying film-like x-rays to large audiences in lecture halls, while also presenting ultra-smooth, lattice-free images.

Presenter-Friendly Use
Quiet Operation
Why do most projectors make so much noise? It’s the cooling system needed to dissipate the considerable heat generated by the unit. On all REALiS models, however, ventilation vents, the cooling fan and the layout of the optical array have all been engineered with noise prevention in mind, resulting in exceptionally quiet operation.
LED Input Illumination
When several image input devices are connected, an LED indicates which image signal is selected as the input. The LED illumination on the operation panel flashes to indicate start-up, end of presentation and other commands.

Remote Control Convenience
These flexible remote control features enable presenters to drive home a point without ever breaking stride.

Digital Zoom – enlarges a selected single area of the screen, like specific data in a graph; images can be enlarged up to 12x.*

Freeze – lets you freeze the on-screen display for pauses in the presentation, such as changing PC connections or checking the subsequent image file.

Auto Setup
These smart features make preparing for a presentation quick and easy. Just press the Auto Setup button, and within seconds your input source is connected, distortion is corrected, focus is sharpened and color is balanced. *The SX800 Auto-Set-up feature does not include Auto Focus and Auto Screen Color

Auto Keystone – automatically calculates the angle of the projector and corrects for image distortion. Vertical (±- 20°).

Auto Screen Color – automatically adjusts the color balance according to the projection surface’s color, such as a green chalkboard.

Auto Input – automatically detects and identifies the image signal from the input terminal and selects it for display.

Auto Focus – automatically measures the distance to the screen using an infrared sensor, and adjusts the focus in as little as one second.

Direct Power On
All models can be switched on and off from a central control terminal without having to press the buttons on the unit. This permits remote operation when the unit is mounted overhead. When the Direct Power setting is “on,” and power is introduced, the projector starts up automatically and is ready to display in about 20 seconds.

Guide Functions
All REALiS models display guide messages in an on-screen window, providing feedback on invalid operations and setup tips.

Off and Go
All REALiS models are equipped with an internal charging system to run the fan. This makes it possible to unplug the projector and pack up and go immediately after using it, while the unit continues to cool down.
REALiS Multimedia Projectors are not only easy for presenters to use, but also for organizations to install, network and maintain. Our technology is engineered for seamless integration with a variety of information technology, network management and audio/visual environments. In a phrase, it's built to fit in.

**Flexible Compatibility**

REALiS Multimedia Projectors are compatible with a variety of image signals, including HDTV.

1. Digital RGB Input/
   Analog RGB Input (DVI-I)
2. HDMI Input
3. Analog RGB Input
4. Component Input
5. Monitor Output
6. USB Port
7. S-Video Input
8. Video Input
9. Stereo Audio Input
10. Stereo Audio Output
11. RS-232C/Controller
12. Network
13. Digital RGB Input (DVI-D)

**Network Management**

Multiple projectors can be managed through a built-in network port. This feature makes it possible to operate ceiling-mounted units or other remote installations from a single PC screen. The SX60 and the X700 require an optional network adapter to operate the projector from a networked PC.

**Audio Input & Output**

Audio input source will switch automatically to match the image signal source. Audio output terminals permit connection to external audio devices, making it easy to control sound levels from the projector’s remote control unit.

**PC-Free Presentations**

Need to share media not resident on a PC? No problem with our convenient built-in interfaces. Connect a USB memory stick directly into the projector, connect a PictBridge compatible digital camera via USB cable or use the HDMI™ terminal for instant display of HD video.
Optional Accessories

To increase the performance value of your REALiS projector, add these smart accessories.

- Ceiling Mount RS-CL07
  WUX10 Series, SX7 Series, X700
- Replacement Lamp RS-LP03
  SX60
- Ceiling Extension RS-CL08
  (15.75”-23.60”)
- Ceiling Extension RS-CL09
  (23.60”-39.37”)
  Compatible with the RS-CL07, RS-CL10, and RS-CL11
- Replacement Lamp RS-LP04
  WUX10 Series, SX7 Series, X700
- Replacement Lamp RS-LP05
  SX80 Series, SX800
- Replacement Lamp RS-LP06
  WUX4000 Series
- DVI-Cable LV-CA29
  WUX10 Series, SX7 Series, SX60, X700
- Remote Control RS-C04
  WUX4000 Series
- Remote Control RS-C04
  WUX4000 Series
- Remote Control RS-C04
  WUX4000 Series
- Remote Control RS-C04
  WUX4000 Series
- Remote Control RS-C04
  WUX4000 Series
- Remote Control RS-C04
  WUX4000 Series
- Remote Control RS-C04
  WUX4000 Series
- Remote Control RS-C04
  WUX4000 Series
- Replacement Air Filter RS-FL01
  WUX4000 Series
- DVI-D Cable LV-CA29
  WUX10 Series, SX7 Series, SX60, X700
- 1.5x Zoom Lens RS-IL01ST
  WUX4000 Series
- Ultra Wide Angle Lens RS-IL03WF
  WUX4000 Series
- Long Focus Zoom Lens RS-IL02LZ
  WUX4000 Series
- Component Video Adapter Cable***
- Computer Cable** (VGA-VGA)
- Power Cord RS-232C Cable
  9.8’
  1025V632 18”
- SX7 Series, SX60, X700
- Wide Angle Converter Lens T-WC070
  SX7 Series, SX60, X700
- REALiS Rolling Projector Case
  All Projectors (except WUX4000 Series)
- Network Adapter RS-NA01
  SX60, X700

Kit Contents

REALiS projectors come with everything you need to begin presenting right out of the box.

- Remote Control
- Soft Case****
- Computer Cable***
- USB Cable*
- Component Video Adapter Cable***

Customer Service

How do you make what’s already better best in its class? You provide unprecedented customer support. Like our “Triple P” Program.

“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 your projector needs to be repaired.

- 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

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# Product Specifications

## Features

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<tr>
<th>Feature</th>
<th>WUX4000 D</th>
<th>WUX10 Mark II D</th>
<th>SX7 Mark II D</th>
<th>SX80 Mark II D</th>
<th>SX60</th>
<th>SX800</th>
<th>X700</th>
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<tr>
<td><strong>WUX4000 D</strong></td>
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<tr>
<td>Native Resolution</td>
<td>1920 x 1200</td>
<td>1400 x 1050</td>
<td>1024 x 768</td>
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<td>0.55&quot; LCOS x 3</td>
<td>0.7&quot; LCOS x 3</td>
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<td>Brightness</td>
<td>4000 Lumens</td>
<td>3200 Lumens</td>
<td>3000 Lumens</td>
<td>2500 Lumens</td>
<td>3000 Lumens</td>
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<td>Uniformity</td>
<td>88%</td>
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<td>Contrast Ratio</td>
<td>1000:1</td>
<td>900:1</td>
<td>1000/2000:1</td>
<td>1000:1</td>
<td>900:1</td>
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<td>20&quot; vertical</td>
<td>+20&quot; vertical</td>
<td>+20&quot; vertical</td>
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<td>Photo Mode</td>
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<td>Lens Offset</td>
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<td>10.0, Fixed</td>
<td>9.1, Fixed</td>
<td>10.0, Fixed</td>
<td>9.1, Fixed</td>
<td>10.0, Fixed</td>
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<td>Zoom Lens</td>
<td>Depends on</td>
<td>1.5x Powered</td>
<td>1.7x Powered</td>
<td>1.5x Powered</td>
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<tr>
<td>Projection Distance</td>
<td>See Page 7</td>
<td>3.9 - 9.9 ft (12 - 9.1)</td>
<td>3.9 - 9.9 ft (12 - 9.1)</td>
<td>3.9 - 9.9 ft (12 - 9.1)</td>
<td>3.9 - 9.9 ft (12 - 9.1)</td>
<td>3.9 - 9.9 ft (12 - 9.1)</td>
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<td>H:15 - 75kHz, V:50 - 85Hz, Dot clock: 162MHz or less</td>
<td>H:15 - 75kHz, V:50 - 100Hz, Dot clock: 170kHz</td>
<td>H:15 - 75kHz, V:50 - 100Hz, Dot clock: 170kHz</td>
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<td>Computer Output 2</td>
<td>N/A</td>
<td>D-sub 15</td>
<td>N/A</td>
<td>D-sub 15</td>
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<td>Audio Input/Output</td>
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<td>Stereo audio input x 3</td>
<td>Stereo audio output x 1</td>
<td>Stereo audio input x 3</td>
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<td>Mouse Control/PictBridge</td>
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<td>Lamp Type</td>
<td>330W NSH (AC)</td>
<td>275W NSH (AC)</td>
<td>230W NSH (AC)</td>
<td>180W NSH (DC)</td>
<td>230W NSH (AC)</td>
<td>275W NSH (AC)</td>
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<td>Lamp Life (Normal/Quiet)</td>
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<td>2000/3000 Hours</td>
<td>2000/2500 Hours</td>
<td>2500/4000 Hours</td>
<td>2000/2500 Hours</td>
<td>2000/3000 Hours</td>
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<tr>
<td>Noise Level (Normal/Quiet)</td>
<td>39/36 dB</td>
<td>36/32 dB</td>
<td>35/34dB</td>
<td>30/27dB</td>
<td>35/34dB</td>
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<td>Power Voltage</td>
<td>AC 100 - 240V, 50/60Hz</td>
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<td>Dimensions (WxDxH)</td>
<td>14.96&quot; x 16.92&quot; x 5.90&quot;</td>
<td>11.2&quot; x 13.2&quot; x 4.5&quot;</td>
<td>10.5&quot; x 13.2&quot; x 4.5&quot;</td>
<td>13.0&quot; x 13.4&quot; x 4.8&quot;</td>
<td>10.5&quot; x 13.2&quot; x 4.5&quot;</td>
<td>10.5&quot; x 13.2&quot; x 4.5&quot;</td>
<td>10.5&quot; x 13.2&quot; x 4.5&quot;</td>
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<td>18.7 lbs. (without lens)</td>
<td>10.9 lbs.</td>
<td>10.6 lbs.</td>
<td>11.5 lbs.</td>
<td>10.1 lbs.</td>
<td>11.0 lbs.</td>
<td>10.6 lbs.</td>
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<td>3 years parts and labor, 120-day lamp warranty</td>
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†† Errors and omissions excepted. Weight and dimensions are approximate. Specifications subject to change without notice.