PRESENTING EXCELLENCE.
Richer Color. Deeper Contrast. Sharper Resolution.

Canon
imageANYWARE
World's first WUXGA LCOS projector

Canon: Focused on Leadership

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 REMAIN 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.
LCOS vs. LCD or DLP: What can REALiS do for you?

What's the LCOS technology advantage? Lattice-free, seamless images. Say goodbye to annoying visual distractions common with LCD projectors, such as the grid-like pixel patterns known as “screen door effect.” Say goodbye to muted color and detail.

LCOS produces exceptional color, intricate detail, easy-to-read type (even at 7pt.) and HD images that leap off the screen in breathtaking quality and integrity. The difference is in the details. In transmissive LCD projectors, colors become easily muted and text appears faint and uneven because the gaps between pixels are huge. REALiS LCOS projectors minimize those gaps, creating detailed, color-rich images with text that is crisp and dark.

Single-chip DLP projectors produce troublesome red-green-blue spots when viewers shift their gaze. LCOS solves this “rainbow effect” by achieving subtle color gradations. Even tones of black and gray look better with LCOS than they do with DLP.

There’s no comparison. The advantages of LCOS are easy to see for both presenter and audience alike: richer color, deeper contrast, finer grain and sharper resolution.

There’s no clearer choice than REALiS.
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 system 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 brings 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.
REALiS Multimedia Projectors come in a variety of models and feature sets to match your discerning needs. Select the solution that’s right for you.

**NEW**

**WUX10** Cutting-Edge Hi Definition
- 1.5x low-distortion lens
- Full 10-bit image processing
- Supports HD 1080p signals
- Network ready RJ-45 port

LCOS | WUXGA 1920 x 1200 | 3200 ANSI Lumens

**SX7** Astounding Color Reproduction
- 1.7x optical powered zoom
- Adobe RGB color-match system
- 1000:1 contrast ratio

LCOS | SXGA+ 1400 x 1050 | 4000 ANSI Lumens

**SX6** Exceptional Image Quality
- 1.7x optical powered zoom
- Adobe RGB color-match system
- 1000:1 contrast ratio

LCOS | SXGA+ 1400 x 1050 | 3500 ANSI Lumens

**NEW**

**SX80** Affordable High Performance
- 1.5x low distortion lens
- Supports HD 1080p signals
- PC-free presentation
- Network ready RJ-45 port
- 900:1 contrast ratio

LCOS | SXGA+ 1400 x 1050 | 3000 ANSI Lumens

**SX60** Whisper-Quiet Operation
- 1.7x optical powered zoom
- 1000:1/2000:1 contrast ratio
- Home cinema mode

LCOS | SXGA+ 1400 x 1050 | 2500 ANSI Lumens

**X700** High Quality – Fast, Easy and Quiet
- 1.7x optical powered zoom
- 1000:1 contrast ratio

LCOS | XGA 1024 x 768 | 4000 ANSI Lumens

Need to know all of your options? No problem. Compare REALiS against other contenders at “Where are the Details?” www.usa.canon.com/details

**Compare Resolution:** Compare XGA, SXGA+ and REALiS SXGA+ with LCOS by market, in single frame and side-by-side interactive screens.

**REALiS Technology:** Discover the many REALiS features with our 360-degree interactive presentation. View specs on each product.

**Who Needs REALiS?** A market-specific drop-down menu lets you discover why REALiS is ideal for your particular application.

**REALiS Advantage:** Read about and see a video which explains AiSYS, Canon’s proprietary technology that enhances LCOS technology.
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 – and we do so on an order of magnitude far beyond other systems. 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.

1.5x Power Zoom Lens

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.)

1.7x Power Zoom Lens

The 1.7x Powered Zoom Lens has the widest zoom range of any of Canon’s projector lenses, giving 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 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.
Proprietary Color Management

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.

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.

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.
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.

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)

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 Illumination

LEDs on most REALiS models indicate the projector’s connection and operation status at a glance. 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.

Luminous spectrum of DC & AC lamps
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.

Spot – highlights a portion of the image on the screen; the spotlight can be made larger or smaller, or it can be moved anywhere on the screen.

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.

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

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

<table>
<thead>
<tr>
<th>Display Order</th>
<th>Input Signal</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Digital PC</td>
<td>DVI-I</td>
</tr>
<tr>
<td>2</td>
<td>Digital Video</td>
<td>DVI-I</td>
</tr>
<tr>
<td>3</td>
<td>Analog PC</td>
<td>DVI-I, Mini D-Sub 15</td>
</tr>
<tr>
<td>4</td>
<td>Component</td>
<td>Mini D-Sub 15</td>
</tr>
<tr>
<td>5</td>
<td>SCART</td>
<td>Mini D-Sub 15</td>
</tr>
<tr>
<td>6</td>
<td>Video</td>
<td>RCA Signal</td>
</tr>
<tr>
<td>7</td>
<td>S-Video</td>
<td>Mini DIN4</td>
</tr>
</tbody>
</table>

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.
**Flexible Compatibility**

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

<table>
<thead>
<tr>
<th>#</th>
<th>Connector Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Digital RGB Input/Analog RGB Output (DVI-I)</td>
</tr>
<tr>
<td>2</td>
<td>HDMI In</td>
</tr>
<tr>
<td>3</td>
<td>Analog RGB Input/Component Input</td>
</tr>
<tr>
<td>4</td>
<td>Monitor Output</td>
</tr>
<tr>
<td>5</td>
<td>USB Port</td>
</tr>
<tr>
<td>6</td>
<td>S-Video Terminal</td>
</tr>
<tr>
<td>7</td>
<td>Video Input</td>
</tr>
<tr>
<td>8</td>
<td>Stereo Audio Input</td>
</tr>
<tr>
<td>9</td>
<td>Stereo Audio Output</td>
</tr>
<tr>
<td>10</td>
<td>Controller</td>
</tr>
<tr>
<td>11</td>
<td>Network</td>
</tr>
<tr>
<td>12</td>
<td>RS-232C Port</td>
</tr>
</tbody>
</table>

**Network Management**

With the optional network adapter, you can operate the projector from a networked PC. Multiple projectors can also be managed remotely this way. This feature makes it possible to operate ceiling-mounted units or other remote installations from a single PC screen. The WUX10 and the SX80 come with a network port built in.

**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.
Kit Contents

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

Optional Accessories

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

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 their first year of new product warranty
- Canon Customer Support Center toll-free hotline: 1-800-828-4040
- Customer Service Hours: 8 a.m. to midnight EST, Monday to Friday; 10 a.m. to 8 p.m. EST, Saturday
- For next business day delivery of loaner, a Customer Activation Form must be received by Canon Customer Support Center by 3 p.m. EST (Monday to 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 WUXGA, SXGA+ and XGA resolution products only
- Loaner unit based on availability
- Program subject to change at any time without any given notice

Errors and omissions excepted. Specifications subject to change without notice. Projected images simulated.
## Product Specifications

### Features

<table>
<thead>
<tr>
<th>WUX10</th>
<th>SX7</th>
<th>SX6</th>
<th>SX80</th>
<th>SX60</th>
<th>X700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brightness (ANSI Lumens)</strong></td>
<td>3200 ANSI Lumens</td>
<td>4000 ANSI Lumens</td>
<td>3500 ANSI Lumens</td>
<td>3000 ANSI Lumens</td>
<td>2500 ANSI Lumens</td>
</tr>
<tr>
<td><strong>Contrast Ratio</strong></td>
<td>1000:1</td>
<td>900:1</td>
<td>1000:1/2000:1</td>
<td>1000:1</td>
<td>1000:1/2000:1</td>
</tr>
<tr>
<td><strong>Imaging Technology</strong></td>
<td>0.7&quot; LCOS x 3</td>
<td>0.55&quot; LCOS x 3</td>
<td>0.7&quot; LCOS x 3</td>
<td>0.7&quot; LCOS x 3</td>
<td>0.7&quot; LCOS x 3</td>
</tr>
<tr>
<td><strong>Native Resolution</strong></td>
<td>1920 x 1200 Pixels</td>
<td>1400 x 1050 Pixels</td>
<td>1024 x 768 Pixels</td>
<td>1024 x 768 Pixels</td>
<td>1024 x 768 Pixels</td>
</tr>
<tr>
<td><strong>Max. Resolution Supported</strong></td>
<td>1920 x 1200</td>
<td>1600 x 1200 Max</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>10.8 lbs.</td>
<td>10.6 lbs.</td>
<td>10.4 lbs.</td>
<td>11.5 lbs.</td>
<td>10.1 lbs.</td>
</tr>
<tr>
<td><strong>Dimensions (WxHxD)</strong></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>
</tr>
<tr>
<td><strong>Lens Offset</strong></td>
<td>10:0, Fixed</td>
<td>9:1, Fixed</td>
<td>10:0, Fixed</td>
<td>9:1, Fixed</td>
<td>9:1, Fixed</td>
</tr>
<tr>
<td><strong>Zoom Lens</strong></td>
<td>1.5x Powered, 12x Digital</td>
<td>1.7x Powered, 12x Digital</td>
<td>1.5x Powered, 12x Digital</td>
<td>1.7x Powered, 12x Digital</td>
<td></td>
</tr>
<tr>
<td><strong>Screen Size</strong></td>
<td>40&quot; - 300&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Projection Distance</strong></td>
<td>3.9 - 29.9 ft (1.2 - 9.1 m)</td>
<td>3.9 - 29.9 ft (1.2 - 9.1 m)</td>
<td>3.9 - 29.5 ft (1.2 - 9.0 m)</td>
<td>3.9 - 29.5 ft (1.2 - 9.0 m)</td>
<td></td>
</tr>
<tr>
<td><strong>Throw Ratio (D:W)</strong></td>
<td>1.48 - 2.181</td>
<td>1.46 - 2.431</td>
<td>1.48 - 2.181</td>
<td>1.46 - 2.431</td>
<td></td>
</tr>
<tr>
<td><strong>Uniformity</strong></td>
<td>88%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Digital Keystone Correction</strong></td>
<td>±20° vertical (Auto/Manual) and ±20° horizontal (Manual)</td>
<td>±20° vertical (Auto/Manual) and ±20° horizontal (Manual)</td>
<td>±20° vertical (Auto/Manual) and ±20° horizontal (Manual)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Computer Inputs/Outputs</strong></td>
<td>Digital PC Input (DVI-I), Analog PC Input (D-sub 15pin and/or DVI-I), Analog PC Output (D-sub 15pin)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Scanning Frequency</strong></td>
<td>H:15 ~ 75kHz, V:50 ~ 85Hz, Dot clock: 170MHz</td>
<td>H:15 ~ 75kHz, V:50 ~ 85Hz, Dot clock: 170MHz</td>
<td>H:15 ~ 75kHz, V:50 ~ 85Hz, Dot clock: 170MHz</td>
<td>H:15 ~ 75kHz, V:50 ~ 85Hz, Dot clock: 170MHz</td>
<td>H:15 ~ 75kHz, V:50 ~ 85Hz, Dot clock: 170MHz</td>
</tr>
<tr>
<td><strong>Video Inputs</strong></td>
<td>Component Video (S BNC), Composite, HDMI, RCA</td>
<td>Composite Video, S-Video, DVI-I Digital Video, Component Video (with adapter), HDMI, Composite HDMI, RCA (video only with adapter)</td>
<td>Composite Video, S-Video, DVI-I Digital Video, Component Video (with adapter), HDMI, Composite HDMI, RCA (video only with adapter)</td>
<td>Composite Video, S-Video, DVI-I Digital Video, Component Video (with adapter), HDMI, Composite HDMI, RCA (video only with adapter)</td>
<td>Composite Video, S-Video, DVI-I Digital Video, Component Video (with adapter), HDMI, Composite HDMI, RCA (video only with adapter)</td>
</tr>
<tr>
<td><strong>Audio Input/Output</strong></td>
<td>Stereo audio input x 3, Stereo audio output x 1</td>
<td>Stereo audio input x 3, Stereo audio output x 1</td>
<td>Stereo audio input x 3, Stereo audio output x 1</td>
<td>Stereo audio input x 3, Stereo audio output x 1</td>
<td>Stereo audio input x 3, Stereo audio output x 1</td>
</tr>
<tr>
<td><strong>Mouse Control</strong></td>
<td>N/A</td>
<td>USB</td>
<td>N/A</td>
<td>USB</td>
<td></td>
</tr>
<tr>
<td><strong>Serial Control</strong></td>
<td>D-Sub 9</td>
<td>Mini DIN</td>
<td>D-Sub 9</td>
<td>Mini DIN</td>
<td></td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>Yes, RJ-45</td>
<td>Optional Network Adapter RS-NA01</td>
<td>Yes, RJ-45</td>
<td>Optional Network Adapter RS-NA01</td>
<td></td>
</tr>
<tr>
<td><strong>Lamp Type</strong></td>
<td>275W NSH (AC)</td>
<td>270W NSH (DC)</td>
<td>230W NSH (AC)</td>
<td>180W NSH (OC)</td>
<td>275W NSH (AC)</td>
</tr>
<tr>
<td><strong>Lamp Life (Quiet/Normal)</strong></td>
<td>3000/2000 Hours</td>
<td>2000/1500 Hours</td>
<td>2500/2000 Hours</td>
<td>4000/2500 Hours</td>
<td>3000/2000 Hours</td>
</tr>
<tr>
<td><strong>Noise Level</strong></td>
<td>35/31dB</td>
<td>30/27dB</td>
<td>35/41dB</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power Voltage</strong></td>
<td>AC 100 - 240V, 50/60Hz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>3 years parts and labor, 120-day lamp life</td>
<td></td>
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</tr>
</tbody>
</table>

* Analog PC input/output (D-sub 15pin) is shared on the WUX10.

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