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CANON CANADA EXPANDS THEIR 4K PROJECTOR LINEUP WITH THE ROBUST AND VERSATILE REALiS 4K501ST PRO AV LCOS PROJECTOR

REALiS 4K501ST Projector's Impressive Combination of Outstanding Image Quality, Advanced Features and Enhanced Connectivity makes it Ideal for a Wide Range of Markets and Applications

MISSISSAUGA, ON., July 19, 2016 – Canon Canada Inc., a leader in digital imaging solutions, today unveiled the REALiS 4K501ST Pro AV LCOS Projector which incorporates all of the same features as Canon's current award-winning REALiS 4K500ST, as well as an enhanced video interface that offers two HDMI version 2.0 inputs with HDCP 2.2 support. Other features include native 4K resolution of 4096 x 2400, up to 5000 lumens¹ and Canon's LCOS Technology with AISYS-enhancement for brilliant, high-brightness and detailed image reproduction. The REALiS 4K501ST also offers a Genuine Canon 4K lens and a robust collection of advanced image adjustment and professional install setting features, including Marginal Focus which helps ensure content projected on the peripheral portions of domed surfaces remains in focus. At only 39.6 pounds, this model also offers one of the most compact and lightweight form factors of a high brightness 4K projector.

The REALiS 4K501ST projector's compact size, capability to reproduce 4K content at 60Hz via a single HDMI cable², and its impressive combination of outstanding image quality and advanced features make this product accessible to a wide range of markets from museums and galleries to higher education, and specialized applications like immersive simulation and training which require amazing image quality but may have limited spacing.

Native 4K Resolution

At 4096 x 2400, the REALiS 4K501ST projector's native 4K resolution is made up of more than 9.8 million pixels – higher than the Digital Cinema Initiative (DCI) standard for 4K cinema (4096 x 2160) and more than QFHD (3840 x 2160), the resolution standard for 4K TV. This higher resolution can be a critical factor for those applications like simulation and training and design and engineering, which may require larger vertical display areas.

Genuine Canon 4K Lens

The 4K501ST projector comes equipped with a specially designed Genuine Canon 4K short focus wide zoom lens and throw ratio of 1.0 – 1.3:1, allowing it to project a 10-foot wide image from an approximate distance of only 10 feet. This projection lens possesses advanced spherical focus capabilities derived from Canon's renowned L-Series EF camera lenses which is distinguished by a bold red ring around the outer barrel. The lens delivers superb performance due to such sophisticated Canon optical technologies as ultra-low dispersion (UD) glass, aspherical lens elements and super spectra multi lens coatings. The brilliance of this lens is what also drives the Marginal Focus feature and its capability to help ensure content projected on the peripheral portions of domed surfaces remains in focus.

LCOS Technology with AISYS-enhancement

The 4K501ST is the newest member of the REALiS Projector series which all feature Canon's LCOS (Liquid Crystal on Silicon) Technology with AISYS-enhancement. This advanced technology, which is achieved by Canon's proprietary AISYS (Aspectual Illumination System) Optical Engine maximizing the performance of three LCOS panels, is renowned for delivering virtually seamless images with outstanding colour reproduction, and low-latency playback for improved display of video content. This unique engine is critical in helping to ensure the 4K501ST projector delivers an ideal combination of both brightness (up to 5000 lumens) and contrast ratio (up to 3000:1), while also helping the projector maintain a small form factor – a very important issue for applications with limited spacing, and those that may require an upgrade of an existing lower resolution unit of similar size.

The 4K501ST projector is also able to deliver a virtually consistent level of brightness throughout its zoom range thanks to the combination of the AISYS Optical Engine and the advanced optical technologies found within the projector's Genuine Canon 4K lens.

Image Processing

The REALiS 4K501ST projector also integrates powerful dual image processing engines that execute such complex tasks as smooth reproduction of uncompressed 4K video at up to 60 fps, and two upscaling technologies, BiCubic and Canon's proprietary Sharp Trace which detects contours of an image in a diagonal direction and performs interpolation, to help optimize 2K video and other non-native 4K resolution content.

Advanced image adjustments and system settings on the REALiS 4K501ST also include the following optional features:

- **Dynamic Gamma:** analyzes individual areas of an image for specific, independent contrast adjustment so light and dark areas do not appear over- or underexposed.
- **Memory Colour Correction:** enhances skin tones and other colour features for rich, vivid results that look striking to the human eye.
- **Motion Blur Reduction:** offers three different modes (Strong, Low and Off) for improved visibility when video content movement is fast³.

The Canon REALiS 4K501ST projector also offers six different pre-set image modes, as well as three customizable image modes, to help optimize quality based on content type and projection environment. The projector's special DICOM® Simulation Mode can be ideal for displaying monochrome digital X-rays, CAT scans, and MRIs with superb grayscale gradation. This mode, which offers both clear and blue base colour temperature presets, simulates the results of devices compliant with the Digital Imaging and Communications in Medicine (DICOM) Part 14 standard⁴.

Ease of Installation and Maintenance

The small form factor and weight (39.6 pounds) of the Canon REALiS 4K501ST projector allows this model to be installed in a wide range of applications and environments. Motorized Lens Shift, Zoom and Focus, 360-degree Vertical Installation⁵, 4-Point Keystone Correction and a variety of other advanced professional calibration settings provide further installation versatility, including:

- **Built-in Edge Blending:** enables the projection of one seamless, large image from multiple projectors without the need of special software.
- **Advanced Registration:** allows independent position adjustment of the three primary colours (RGB) with high accuracy (0.1 Pixel) ultimately helping to reduce blurred colours or lines often projected at the edge of an image.

Versatile Connectivity

Generous industry-standard connectivity on the Canon REALiS 4K501ST projector includes two HDMI (version 2.0) and four DVI inputs supporting single, stripe and cross configurations for 4K, 2K or HD video playback. This model also supports PJLink™ which makes it possible to control and monitor the projector over a network, making it easier than ever to observe lamp hours, usage and more. For even more control, the REALiS 4K501ST projector is a Crestron Connected® device and support AMX® Device Discovery.

Price and Availability

The Canon REALiS 4K501ST Pro AV LCOS Projector has a suggested list price of \$78,999.99 and is scheduled to be available through authorized Canon dealers by October*. The Canon REALiS 4K501ST is backed by the Canon Projector and Lamp Limited Warranty, and the Company's award-winning Professional Service & Support which includes a Three-Year Advanced Warranty Exchange Service Program.

About Canon Canada Inc.

Headquartered in Mississauga, Ontario, Canon Canada Inc., a wholly owned subsidiary of Canon USA, is a leading provider of consumer, business-to-business and medical digital imaging solutions. Innovation and cutting-edge technology have been essential ingredients in Canon's success. Canon Canada Inc. is committed to the highest level of customer satisfaction and loyalty, providing 100 per cent Canadian-based service and support for all of the products it distributes. Canon Canada Inc. is dedicated to its Kyosei philosophy of social and environmental responsibility.

For more information, please visit: <http://canon.ca> or follow the company on [Facebook](#), [Twitter](#) or [Instagram](#) using @CanonCanada.

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**Availability, prices and specifications are subject to change without notice. Actual prices are set by individual dealers and may vary.*

¹ When in Presentation Mode and lamp is set to Full Power Mode.

² Select resolutions available when projecting via a single HDMI cable – see User Manual for complete list.

³ When this function is set to “strong”, flicker and reduced brightness may become noticeable depending on the image. If noticeable use the “weak” setting.

⁴ The REALiS 4K501ST is not cleared or approved for medical diagnosis and should not be used for these purposes.

⁵ When standing the projector straight up or down, lamp life may be shortened.