

CANON CANADA DEFINES A NEW CATEGORY OF PRO AV COMPACT INSTALLATION PROJECTORS WITH THE INTRODUCTION OF NEW REALiS MODELS

Outstanding Picture Quality, Installation Flexibility, Operational Convenience, and Affordability Among the Advantages of New Compact Installation REALiS Projectors for Multiple Markets

MISSISSAUGA, ON, 29 May 2013 – Canon Canada Inc., a leader in digital imaging solutions celebrating its 40th anniversary, has introduced a new multimedia projector category that combines the exceptional picture quality of larger installation projectors with the plug-and-play convenience of portable models. Known as Pro AV Compact Installation LCOS (Liquid Crystal on Silicone) Projectors, this new Canon product category consists of the Canon REALiS WUX450, REALiS WUX400ST, REALiS WX520, and REALiS WX450ST Pro AV Compact Installation LCOS Projectors. Each projector features a trim design under 14 lbs, installation flexibility, easy set-up, and sophisticated operational advantages strategically designed for higher education, boardroom installations, museums, and many other professional markets.

Drawing on Canon's expertise in optical and imaging technologies, the new Pro AV Compact Installation LCOS Projectors feature newly designed built-in Genuine Canon projection lenses engineered to address a broad range of image-display requirements. The new Canon REALiS WUX450 and REALiS WX520 Pro AV Compact Installation LCOS Projectors offer placement flexibility with their advanced Genuine Canon projection lens, which delivers a consistent fixed aperture of f/2.8, allowing for no light loss across its entire 1.8x zoom range. Designed for short-throw use, the new Canon REALiS WUX400ST and REALiS WX450ST Pro AV Compact Installation LCOS Projectors are equipped with an advanced Genuine Canon 1.35x zoom lens with generous horizontal and vertical lens-shift adjustability for distortion-free image quality in environments where the projector must be located close to the screen or display surface.

"Canon's new REALiS WUX450, REALiS WUX400ST, REALiS WX520, and REALiS WX450ST Pro AV Compact Installation LCOS Projectors blend the high-quality and exceptional detail, clarity and contrast of large projector models with the portability of smaller models," said Ian Macfarlane, Senior Vice-President and General Manager, Imaging Technologies & Communications Group and Market Development Group, Canon Canada. "The demand for installation projectors is growing across many professional markets, and Canon is demonstrating its commitment to these users by developing this entirely new category of the Pro AV Compact Installation LCOS Projectors, which integrate the latest technologies to provide exceptional user benefits, convenience, and affordability."

All of Canon's new Pro AV Compact Installation LCOS Projectors employ a new Canon AISYS 5.0 optical engine that helps improve the management of light through the projectors' next-generation Canon LCOS display panels. The result is the projection of high-resolution images with intricate detail, crisp contrast, high brightness, deep blacks, precise colour, and reduced blur during fast-moving movie scenes. The REALiS WUX450 and REALiS WUX400ST deliver WUXGA (1920 x 1200) resolution imagery with 4500 and 4000 lumens of brightness, respectively. The REALiS WX520 and REALiS WX450ST provide WXGA+ (1440 x 900) resolution imagery with 5200 and 4500 lumens, respectively. All models deliver a 2000:1 contrast ratio, 16:10 widescreen aspect ratio images, versatile connectivity and management controls, sophisticated image-processing and edge-blending capabilities, energy efficiency, and a lower total cost of ownership as compared to previous models.

Markets for the new Canon REALiS WUX450, REALiS WUX400ST, REALiS WX520, and REALiS WX450ST Pro AV Compact Installation LCOS Projectors include large classrooms, lecture halls, and auditoriums, houses of worship, museums and galleries, corporate boardrooms and conference rooms, ad agencies and photo studios, video and motion picture post-production facilities, training simulators, government command and control rooms, medical training and conference rooms, and videoconferencing sites.

Installation Flexibility

Approximately 25 per cent smaller than previous Canon Pro AV Series projectors, the new projectors feature a new heat-exhaust design and a flat chassis which allows for a wide variety of installation-placement choices. Optional feet can be installed on the top of each 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 REALiS WUX450 and REALiS WX520 includes a mechanical lens-shift feature for increased installation flexibility, enabling both projectors to be installed vertically, pointing up or downwards.

The REALiS WUX400ST and REALiS WX450ST Pro AV Compact Installation LCOS Projectors for short-throw environments include a built-in 1.35x distortion-free zoom lens and a 0-75 per cent vertical and ± 10 per cent horizontal lens-shift adjustment feature. This combination enables these projectors to be used for short-throw display applications, including both front- and rear-projection installations. Short-throw projection applications can include environments where the presenter and the display screen must be in close proximity because of room size, design, or other unique factors, such as a ceiling that is too low for mounting a projector.

Canon's new Pro AV Compact Installation LCOS Projectors have a long-life lamp that provides up to 4000 hours of operation. Easy access lamp and filter covers help simplify lamp replacement and filter cleaning, even while installed. Power consumption for the REALiS WUX450 and REALiS WX520 projectors equals less than .081 watts per lumen at its brightest mode.

Imaging Versatility

Although integrating many unique technologies, the new Canon REALiS WUX450, REALiS WX520, REALiS WX450ST, and REALiS WUX400ST Pro AV Compact Installation LCOS Projectors are simple to operate and provide easy set-up features. These can be accessed using a configurable control panel on the side of each unit and by using the projected installation and professional-settings menus. The extensive image-processing capabilities of these projectors provide multiple user benefits. These include a dozen built-in test patterns (triggered via the remote control unit and user-accessible onscreen menus) for fast, simple image calibration without the need for a pattern generator or a PC. An innovative four-point keystone-adjustment function enables users to adjust each corner of the image independently while also keeping focus consistent, and to achieve true diagonal projection as well as moiré reduction.

An easy-to-use built-in edge-blend function with precision luminance ramp adjustment and pixel-overlap control enables the new Canon Pro AV Compact Installation LCOS Projectors to be used in multi-projector configurations for the display of large, seamless images with precisely matched edges. Easy registration adjustment for perfect edge-blend alignment is further enabled by the combination of the low "TV distortion" characteristics of the projectors' zoom lenses and an integrated micro digital lens shift adjustment (a separate feature from the projectors' mechanical lens-shift adjustment capability). The result is pixel-precise image blending for seamless multi-projector displays.

Advanced Management and Connectivity

Built into the new Canon Pro AV Compact Installation LCOS Projectors 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. The REALiS WUX450, REALiS WX520, REALiS WX450ST, and REALiS WUX400ST are Crestron RoomView™-compatible.

Key networking features also include a content-streaming capability, which 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 display content from four different PC's on a single screen. Content can be streamed from any point with a network connection to a projector, either within a room or in multiple locations, simplifying installation. The NMPJ system allows for video streaming (without audio) through the LAN to the projector in four ways:

- Meeting mode – to share a participant's screen with everyone (or share between remote sites via the Internet).
- Classroom mode – allows an instructor to select which PC screen to project; up to four PC screens can be shown simultaneously.
- Broadcast mode – images can be projected at multiple sites simultaneously.
- Direct mode – enables a projector to be connected directly to a PC using a LAN cable.

Input terminals on the new Canon Pro AV Compact Installation LCOS Projectors include a USB port for “PC-less” presentations of JPEGs and other content directly from a thumb drive or other USB-equipped flash-memory data storage device (and for firmware updates). Other inputs include DVI, component video, HDMI, and two mini-jack audio inputs. A special Picture-by-Picture Processor allows for the simultaneous use of HDMI and DVI in split-screen mode. A 5-watt mono speaker is built-in for audio playback without peripheral components.

The Canon REALiS WUX450, REALiS WX520, REALiS WUX400ST, and REALiS WX450ST are also available in “D” versions (REALiS WUX450 D Pro AV Compact Installation LCOS Projector, REALiS WX520 D Pro AV Compact Installation Projector, REALiS WUX400ST D Pro AV Compact Installation LCOS Projector and REALiS WX450ST D Pro AV Compact Installation LCOS Projector) featuring a DICOM® Simulation mode and superb 21-step grayscale gradation display capabilities designed to effectively project high-quality medical images such as X-rays, CAT scans and MRIs. Please note, these models are not cleared or approved for medical diagnosis and should not be used for diagnosis purposes.

Price and Availability

The new Canon REALiS WUX450, REALiS WUX450 D, REALiS WX520, and REALiS WX520 D Pro AV Compact Installation LCOS Projectors have suggested list prices of \$4,599.99, \$5,099.99 \$4,199.99 and \$4,699.99, respectively. All are expected to be available through authorized Canon dealers by August 2013.

The new Canon REALiS WUX400ST, REALiS WUX400ST D, REALiS WX450ST and REALiS WX450ST D Pro AV Compact Installation LCOS Projectors have suggested list prices of \$5,699.99, \$6,199.99, \$5,199.99 and \$5,699.99, and are expected to be available by October 2013.

For more information please visit canon.ca/projectors.

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. With almost \$46 billion in global revenue, its parent company, Canon Inc., ranks among the Top 4 in US patents registered since 1994. Canon ranks among the world's Top 30 brands and is one of Forbes' Magazine's World's Most Admired Companies. 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.

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