

## CANON CANADA INTRODUCES 10 NEW FEATURE-PACKED MEGAPIXEL NETWORK CAMERAS

*New Cameras Include Multiple Form Factors with Wide Range of Features and Benefits to Meet Various Security and Surveillance Applications*

**September 18, 2014** – Canon Canada Inc., a leader in digital imaging solutions, has expanded its line of network cameras with 10 new feature-packed models in a variety of resolutions and designs to serve the needs of a wide range of video security and surveillance applications.

Delivering superb imaging, low-light performance, high-resolution detail, and vital colour information through Genuine Canon Lenses, advanced imaging sensors, two proprietary Canon DIGIC processors (DIGIC DV III and DIGIC NET II), these new cameras provide the image quality necessary for detailed video analysis. These new network cameras also provide built-in Video Analytics that assist in identifying potential crucial picture details, such as moving, removed, and abandoned object detection ideal for a broad range of security applications and environments such as financial institutions, industrial plants and utilities, military and government agencies, airports and transportation centres, educational institutions, retail establishments, commercial offices, casino and gaming establishments, web attractions and more.

Delivering sophisticated capabilities, key shared features of these new models include: an improved H.264 algorithm for remarkable image quality at lower bit rates; simultaneous delivery of two H.264 and three M-JPEG video streams in multiple sizes and resolutions for versatility in monitoring and recording; scheduled Custom Video Settings for optimal image capture according to the time of day; On-board Video Analytics for advanced detection and analysis, Outstanding Low Light Performance and more. The new camera models include:

### **2.1 Megapixel Resolution Network Cameras**

- VB-H43 PTZ Network Camera (20x Zoom Lens)
  - VB-H630VE Vandal Resistant Fixed Dome Network Camera (IP 66-rated)
  - VB-H630D Fixed Dome Network Camera
  - VB-H730F Fixed “Box” Network Camera

### **1.3 Megapixel Resolution Network Cameras**

- VB-M42 PTZ Network Camera (20x Zoom Lens)
  - VB-M620VE Vandal Resistant Fixed Dome Network Camera (IP 66-rated)
  - VB-M620D Fixed Dome Network Camera
  - VB-M720F Fixed “Box” Network Camera
  - VB-S805D Fixed Micro Dome Network Camera
  - VB-S905F Fixed Micro “Box” Network Camera

All 10 cameras are ONVIF (Open Network Video Interface Forum) 2.2 Profile S Conformant to help ensure maximum interoperability with other third party ONVIF Profile S recording systems.

## **Key Shared Features**

Helping to ensure superb imaging with outstanding low-light performance, high-resolution detail, and capture of vital colour information in these 10 new network cameras begins with their built-in Genuine Canon wide-angle zoom lenses with advanced lens coatings (the new Canon VB-H43 and VB-H42 pan/tilt/zoom cameras include a built-in 20x wide-angle zoom lens, with 12x digital zoom and a wide 60.4° angle of view). As the initial point of image capture, the advanced optics of these new models make it one of the core components to delivering truly remarkable image quality.

The images are captured by an advanced CMOS sensor producing 2.1 or 1.3 Megapixel images, processed by a proprietary Canon DIGIC DV III processor, which helps optimize image quality by minimizing noise, creating images with smooth gradations and accurate colour reproduction, and compressed and encrypted by the DIGIC NET II network video processor, which can simultaneously transmit the image in multiple resolutions and codecs (H.264 and M-JPEG) to meet various end-user needs. Additionally, a new H.264 algorithm has been applied to deliver high-resolution video with low bandwidth utilization and low disk space usage, which has the potential to lower storage and reduce data transmission when the camera is using cellular data.

The new cameras all include built-in Video Analytics that assist in identifying potentially crucial picture details such as moving, removed, and abandoned object detection as well as passing (or “tripwire”) detection. User-adjustable in terms of detection characteristics (sensitivity, area, and duration), Video Analytics can engage configured alarms and notification functions. Camera Analytics include detection of camera tampering and abnormal sound levels that can indicate vandalism. These cameras also include a user-adjustable Privacy Mask function to block sensitive locations (such as ATM keypads or computer monitors) from the cameras’ view.

Additional flexibility is provided by the cameras’ Custom Video Settings which allow the user to create up-to-four customized camera video settings, helping to optimize the image quality throughout an entire day and night. Settings that can be customized include exposure, shutter speed, iris, gain, white balance, and noise reduction. With this feature end-users have control over the quality of their video, regardless of the time of day or changing conditions in the monitored location.

## **VB-H43 and VB-M42 Cameras**

The new Canon VB-H43 and VB-M42 PTZ Cameras offer a 60.4 degrees angle of view lens with strong 20x optical zoom and 12x digital zoom. Both models offer a new Relative Pan/Tilt Speed Mode function, which slows the pan/tilt speed as the zoom factor is increased to help ensure accurate surveillance by reducing the possibility that the camera operator may pan beyond a moving subject. A Recorded Video Utility feature enables users to record H.264 and M-JPEG images or video automatically to an SD, SDHC, or SDXC card during a network outage, or manually through a viewer. Videos can also be played back directly from the camera. The VB-H43 and VB-M42 Cameras can capture potentially crucial image detail in low-illumination environments down to 0.4 lux at f/1.6 and 1/30 sec. in colour\* and 0.02 lux at f/1.6 and 1/30 sec. in black & white.\*

## **VB-H630VE, VB-M620VE, VB-H630D and VB-M620D Cameras**

The new Canon VB-H630VE, VB-M620VE, VB-H630D and VB-M620D Fixed Dome Cameras feature an Enhanced PTR (pan/tilt/rotation) Mechanism design that helps reduce the likelihood that the point of view might shift due to vibrations or impacts. All of these models also offer Canon’s Remote Adjustment Function which allows installers to save time, labor and expense by using a password-protected Internet connection to remotely fine-tune a camera’s viewing area and focus settings whenever it’s required (an especially handy feature in multiple-camera installations). These cameras also feature a built-in Genuine Canon 112 degrees wide-angle lens with 3x optical zoom for clear, high-quality images, and they can capture potentially crucial image detail in low-illumination environments down to 0.3 lux at f/1.2 and 1/30 sec. in colour\* and 0.015 lux at f/1.2 and 1/30 sec. in black & white.\*

The VB-H630VE and VB-M620VE Vandal Resistant Fixed Dome Network Cameras have an ingress resistant rating of IP66 and are built with a polycarbonate resin capsule and a die-cast aluminum. Both models also have a built-in lens shock absorbing mechanism that allows the lens to retract up to 15mm inside the camera body – thus helping to prevent lens impairment when the dome is struck. These features all combine to allow for the camera to absorb heavy impacts, making them ideal for use in areas that may be subject to abuse such as correctional facilities, public transportation centres and schools.

#### **VB-H730F and VB-M720F Cameras**

The new Canon VB-H730F and VB-M720F Fixed “Box” Network Cameras feature a Genuine Canon wide angle lens with very impressive 112.6 degrees horizontal field of view and 3x optical zoom (4x digital zoom), providing installation flexibility for a number of different applications and locations such as auditoriums, plazas and lobbies. Thanks to the high-precision of Genuine Canon optics, the lens maintains superb image clarity throughout the entire field of view and zoom range, both in day and nighttime conditions.

#### **VB-S805D and VB-S905F Cameras**

Canon S-Series VB-S805D ultra-compact fixed micro dome camera and VB-S905F micro box network camera offer H.264 and/or M-JPEG streams in 1280 x 720 16:9 aspect ratio, 1280 x 960 4:3 aspect ratio video, and other video resolutions to suit multiple needs. Measuring just 4.72 in. (Diameter) x 2.13 in. (H) and 2.13 in. (H) x 1.26 in. (W) x 4.49 in. (D) respectively, the VB-S805D and VB-S905F cameras offer flexible and easy installation options for a wealth of video security applications. The VB-S805D ultra-compact fixed micro dome camera provides quality colour video in a range from .45 lux down to .01 lux\*\* and black & white video from .25 lux to .007 lux\*\*\*. The low-light performance of the VB-S905F micro box network camera is rated at 0.4 lux to 0.01 lux in colour\*\* and 0.2 lux to 0.007 lux in black & white\*\*\*. Nine levels of exposure compensation add to the image-capture range.

#### **Pricing and Availability**

The Network Cameras have suggested list prices and ship dates as follows:

<b>Product Name</b>	<b>Suggested List Price<sup>1</sup></b>	<b>Approximate Ship Date</b>
VB-H43	\$3,189.99	Q1 2015
VB-H630VE	\$1,729.99	November 2014
VB-H630D	\$1,419.99	November 2014
VB-H730F	\$1,269.99	November 2014
VB-M42	\$2,179.99	November 2014
VB-M620VE	\$1,429.99	November 2014
VB-M620D	\$1,159.99	November 2014
VB-M720F	\$1,079.99	November 2014
VB-S805D	\$589.99	November 2014
VB-S905F	\$559.99	November 2014

#### **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. **Canon Canada's** Professional Printing Solutions Group (PPSG) is the leading provider of printing solutions for professionals including digital presses, high speed digital production printers, wide format printing systems and workflow software. For more information, please visit: [www.canon.ca](http://www.canon.ca) or join us on Facebook at: [www.facebook.com/CanonCanada](http://www.facebook.com/CanonCanada).

**Media Contacts:**

Rajani Kamath  
Director, Corporate Communications &  
Brand Marketing  
Canon Canada Inc.  
(905) 565-4598

Erika Strong  
Account Manager, Technology  
Edelman  
(416) 849-1504

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*†Based on weekly patent counts issued by United States Patent and Trademark Office.*

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*\* At 50 IRE with SSC (Smart Shade Control) off.*

*\*\*Color ratings based on f/1.6, 1/30 second and Smart Shade Control on (0.4 lux), ½ second and Smart Shade Control off (0.007 lux).*

*\*\*\*Black & white ratings based on f/1.6, 1/30 second and Smart Shade Control on (0.2 lux), ½ second and Smart Shade Control off (0.007 lux).*

*<sup>1</sup> Pricing subject to change at any time. Actual prices are set by individual dealers and may vary.*

Availability, prices, and specifications of all products are subject to change without notice.