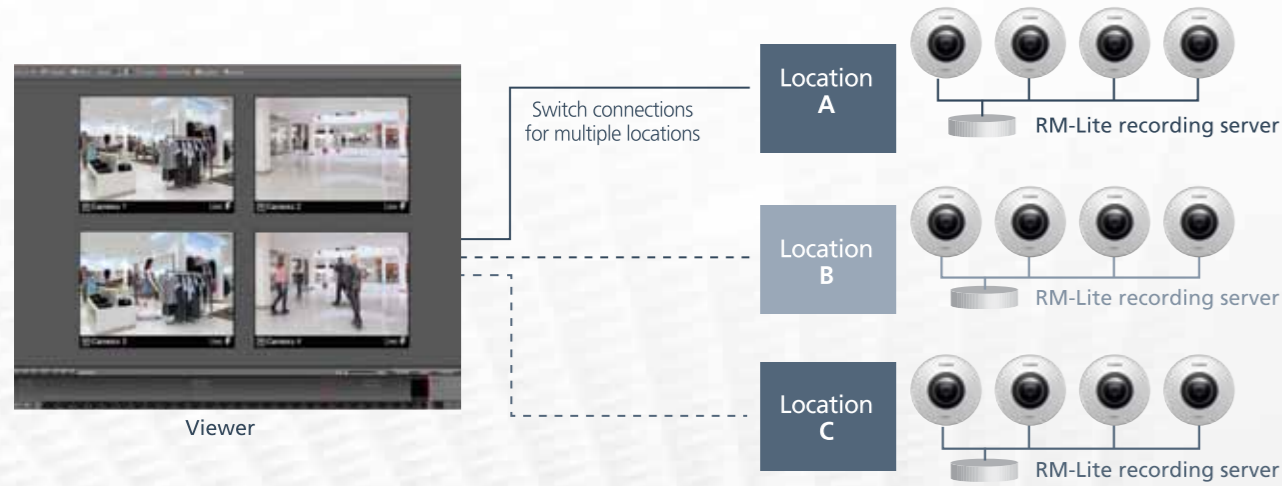


# Versatile Compatibility and Efficient Installation

## RM-Lite Recording Software

The RM-Lite Recording Software enables seamless recording, playback and audio recording from multiple cameras. Register up to 4 cameras for small-scale monitoring systems that can be operated at multiple locations by simply switching connections.

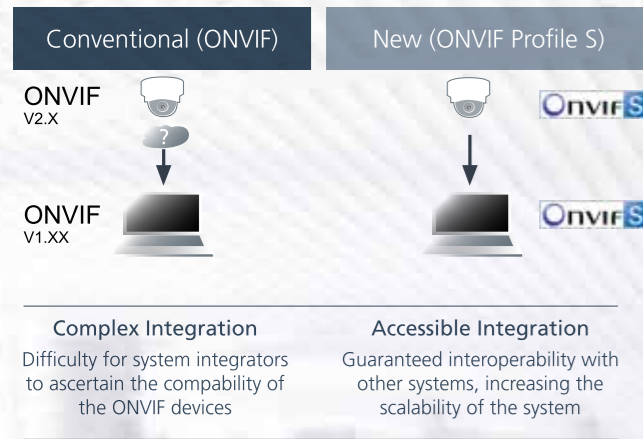


## ONVIF Profile S Support

Unlike conventional support systems that make integration and interoperability complicated, the latest ONVIF Profile S Support minimizes compatibility problems. Users can enjoy easy support identification without complex compatibility processes.

## Efficient Installation

The lightweight design enables easy installation without the requirements of junction boxes and other accessories, effectively reducing the amount of effort needed. Furthermore, the compact body makes flexible installation possible even in limited spaces



## Intelligent Camera Detection Functions

These cameras are equipped with real-time smart detection capabilities that consist of six detection types and 15 detection place settings from rectangular to polygonal areas.



Product Specifications	VB-S30D	VB-S31D	VB-S800D	VB-S900F
Image Sensor	1/4.85 type CMOS (primary color filter)	1/3 type CMOS (primary color filter)		
Number of Effective Pixels	Approx. 2.1 million pixels			
Scanning Method	Progressive			
Lens	3.5x optical (4x digital zoom) zoom lens with auto focus	Fixed focal length lens (4x digital zoom)		
Focal Length	2.25 (W) – 7.88 mm (T)*1	2.7 mm		
F-Number	F1.4 (W) – F2.6 (T)	F1.6		
Viewing Angle	Horizontal: 77.7°(W) - 20.7° (T) Vertical: 40.4° (W) – 11.6° (T)	Horizontal: 95.0° Vertical: 60.0°	Horizontal: 96.0° Vertical: 60.5°	
Day/Night Switch	Auto/Manual			
Minimum Subject Illumination	<b>Day Mode (Color):</b> (F1.4, shutter speed 1/30 sec, smart shade control off, 50IRE) 0.07 lux (F1.4, shutter speed 1/2 sec, smart shade control off, 50IRE) 0.025 lux (F1.4, shutter speed 1/2 sec, smart shade control on [7], 50IRE) 0.015 lux <b>Night Mode (Monochrome):</b> (F1.4, shutter speed 1/30 sec, smart shade control off, 50IRE) 0.04 lux (F1.4, shutter speed 1/2 sec, smart shade control off, 50IRE) 0.015 lux (F1.4, shutter speed 1/2 sec, smart shade control on [7], 50IRE) 0.01 lux	<b>Day Mode (Color):</b> (F1.6, shutter speed 1/30 sec, smart shade control off, 50IRE) 0.03 lux (F1.6, shutter speed 1/2 sec., smart shade control off, 50IRE) 0.01 lux (F1.6, shutter speed 1/2 sec., smart shade control on [7], 50IRE)	<b>Day Mode (Color):</b> (F1.6, shutter speed 1/30 sec., smart shade control off, 50IRE) 0.02 lux (F1.6, shutter speed 1/2 sec., smart shade control off, 50IRE) 0.007 lux (F1.6, shutter speed 1/2 sec., smart shade control on [7], 50IRE)	
Focus	Auto / One-shot AF / Manual / Fixed at infinity	-		
Shooting Distance (from front of lens)	0.3 m (1.0 ft.) – infinity	0.5 m (1.6 ft.) – infinity		
Shutter Speed	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 sec.			
Exposure	Auto/Auto (Flickerless)/Auto (Shutter-priority AE)/Manual (Shutter Speed, Gain)			
White Balance	Auto/Light Source (Daylight/Fluorescent/White Fluorescent/Warm Fluorescent/Mercury Lamp/ Sodium Lamp/Halogen Lamp)/Manual (One-shot WBR Gain/B Gain)			
Metering Modes	Center-Weighted/Average/Spot			
Exposure Compensation	9 Levels			
Smart Shade Control	Auto/Manual/Disable Auto: 3 levels (default setting) / Manual: 7 levels			
AGC Limit	5 Levels			
Image Stabilizer	-			
Pan Angle Range	350° (±175°)			
Tilt Angle Range	90° (Ceiling-mounted position: -90° to 0°) - When the horizontal direction of the camera is 0°			
Rotation Angle Range	-			
Moving Speed	Pan: Max. 120°/sec., Tilt : Max. 120°/sec.			
Video Compression Method	JPEG, H.264			
Video Size	JPEG, H.264: 1920 x 1080, 960 x 540, 480 x 270 1280 x 720, 640 x 360, 320 x 180			
Video Quality	1280 x 960, 640 x 480, 320 x 240			
Frame Rate**	JPEG, H.264: 5 levels JPEG: 0.1 – 30 fps H.264: 1/2/3/5/6/10/15/30 fps			
Max. Frame Rate	When streaming H.264(1) (1920 x 1080) and H.264(2) (all sizes) simultaneously: 15 fps When streaming H.264(1) (all sizes) and H.264(2) (1920 x 1080) simultaneously: 15 fps When streaming H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps When streaming H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps			
I-Frame Interval	0.5/1/1.5/2/3/4/5 sec.			
Simultaneous Client Access	Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients			
Camera Control	Administrator / Authorized User / Guest User (level of control values varies depending on user) Max. 50 user names and passwords registered for authorized users.			
Access Control	User authority (user name and password), Host Access Restrictions (IPv4, IPv6)			
Encrypted Communications	SSL/TLS, IPsec (Auto Key Exchange/Manual) EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP			
Protocol	IPv4: TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), ARP, ICMP, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF (Client), DHCPv6 (Client), DNS (Client), ICMPv6, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF (Client)			
AutoIP	Available			
Audio Compression Method	G.711 μ-law (64 kbps)			
Audio Communication Method	Sound Transfer Protocol by Canon			
Privacy Mask	Number of registration: Max. 8 places, Number of mask colours: 1 (select from 9 colors)			
View Restriction	Available			
Presets	Max. 20 frame positions			
Intelligent Function	Detection Types: Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection and Passing Detection Detection Settings: Max. 15 [Volume] Volume Detection			
Event Trigger Type	External Device Input, Timer, Intelligent Function (Video), Intelligent Function (Volume)			
Image Upload	Temporary storage memory in camera: Max. approx. 5MB Frame Rate: Max. 10 fps (JPEG) / Max. 30 fps (H.264) HTTP/SMTP (e-mail)			
Event Notification	-			
Camera Angle Setting	-			
Image Cropping Function	Available Cropping sizes: 640 x 360/512 x 288/384 x 216/ 256 x 144/ 128 x 72 640 x 480/512 x 384/384 x 288/256 x 192/ 128 x 96			
On-Screen Display	Available			
Daylight Saving Time	Available			
Custom Settings	Items to Reg.: Pan/Tilt/Zoom [Only for VB-S31D, VB-S30D], Exposure, Smart Shade Control, Focus [Only for VB-S31D, VB-S30D], White Balance, Image Quality Adjustment, Day/Night LAN x 1 (RJ45, 100Base-TX (auto/full-duplex/half-duplex))			
Network Terminal	-			
Audio Input (Common for LINE IN & MIC IN)	φ3.5mm (φ0.14 in.) mini-jack connector (monaural) Switch LINE IN/MIC IN in the Setting page			
Audio Output Terminal (LINE OUT)	-			
External Device I/O Terminals	Input x 1 / Output x 1			
Memory Card	microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card Compatible Frame Rate: Max. 1 fps (JPEG) / Max. 30 fps (H.264)			
Operating Environment	Temperature: -10°C to +50°C, Humidity: 5% – 85% (without condensation)			
Power Supply	PoE: PoE power supply via LAN cable (IEEE802.3af compliant)			
Power Consumption	Max. 7.6 W		Max. 4.1 W	
Dimensions (excluding protrusions)	(φ x H) 120 x 54 mm		(H x W x D) 54 x 32 x 114 mm	
Weight	Approx. 270 g		Approx. 240 g	
Impact Resistant	-			
Dust Resistant/ Waterproof Specifications	-			

\*1(W): maximum wide angle, (T): maximum telephoto  
\*\* Values represent streaming performance from the camera. The frame rate may be reduced due to Viewer PC's specs, the number of clients accessing at the same time, network loads, video quality setting, type or movement of the subject or other reasons.



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Dealer's Stamp

# NETWORK CAMERA



Delighting You Always



# SMALL IN SIZE, HUGE ON PERFORMANCE



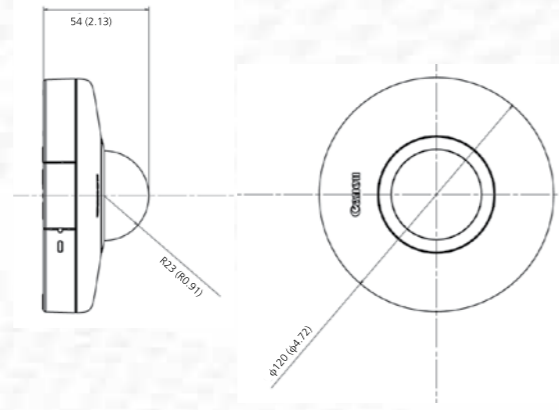
# ALWAYS SAFE & SECURE

Experience enhanced security with the world's smallest\* network cameras - VB-S30D, VB-S31D, VB-S800D and VB-S900F.

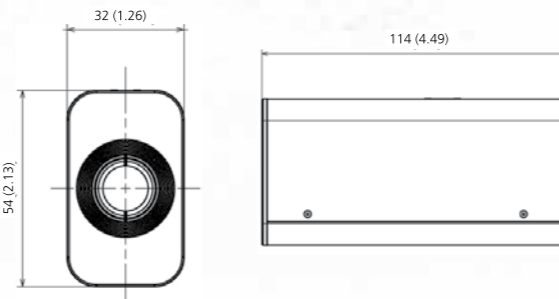
## Outstanding and Reliable Camera Innovations

## Excellent Surveillance Capabilities

(VB-S30D, VB-S31D, VB-S800D)



(VB-S900F)



### Compact Body

Without compromising high-performance technology, Canon has created the world's smallest\*, class-leading, PTZ network cameras. The palm-sized body minimizes dead space with a 61% reduction in height as compared to the previous model\*\*, allowing installation to be done in a greater variety of areas including dropped ceilings.

\*Applicable to compact dome models equipped with the PTZ function as of July 2013.  
\*\*As compared to VB-H610D.



### Effective Illumination of Images

Low-light illumination technology effectively brightens dark areas in a video feed captured under dim conditions, enhancing visibility. 3 levels of Auto Smart Shade Control (SSC) adjusts exposure compensation when shadows or backlight are cast, optimizing images according to the surrounding conditions so that images remain sharp.

**AUTO SSC** The level of automatic correction can be set at three levels- [Mild] / [Medium] / [Strong]



**SSC** Seven various levels of correction strength and exposure compensation modes are available

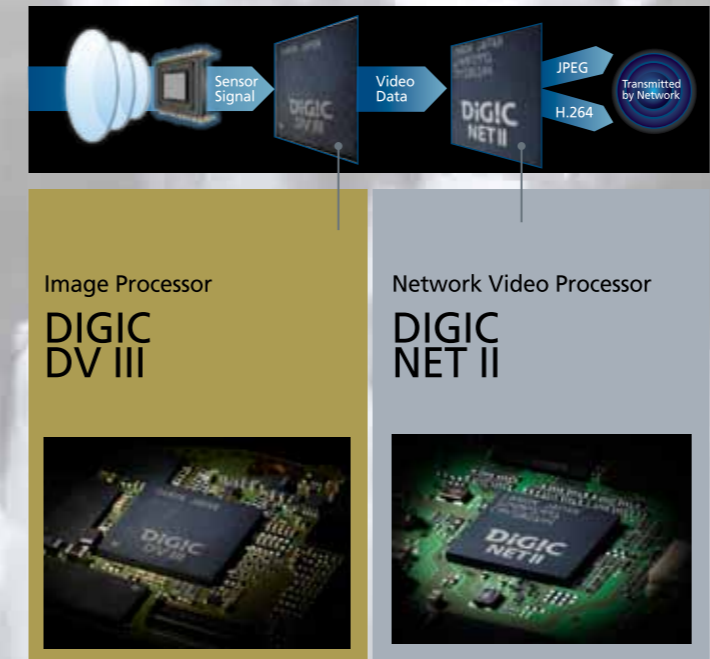
### Unparalleled Canon Lens Technology

The high-definition 3.5x optical and 4x digital zoom lens [VB-S30D] captures an accurate depiction of subjects. An F1.4 wide-angle and F2.6 telephoto lens focus portrays vivid images in low light performance. The F1.6 Fixed-Focus lens [VB-S31D, VB-S800D, VB-S900F] optimizes full wide-angle viewing through a double-sided aspherical lens, resulting in high resolution images with less distortion.



### High-Definition, High-Speed Video Transmission

Realize high-definition video output with the DIGIC DV III Image Processor's high computational processing power that enables vivid image reproduction with low noise; combined with the DIGIC NET II that provides full HD resolution at 30fps for fast, high-performance transmission capabilities.



### Auto Gain Control (AGC)

Auto Gain Control increases the gain if the video scene is too dim or too bright. The 5 AGC limit levels allow greater clarity and less noise on the video feed.

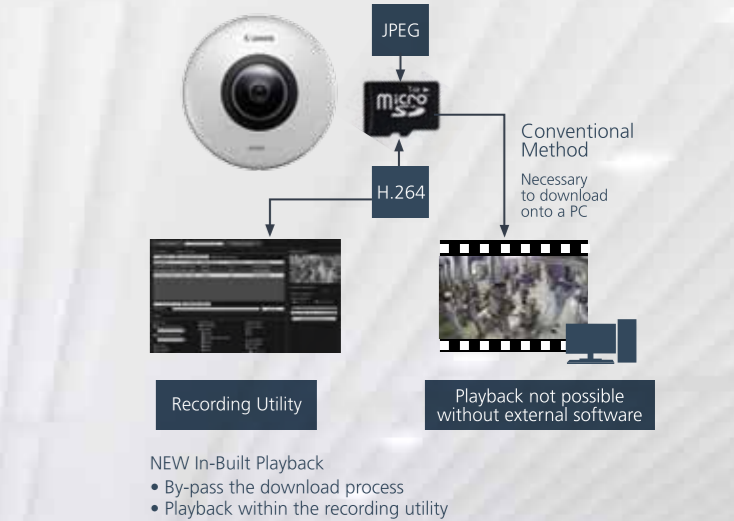


### Efficient H.264 Multi-Streaming

Simultaneous streaming in the H.264 video format is made possible for similar and different sizes of videos in three resolution categories, 1080p, 720p and 960p. This enables users to play high-resolution videos for real-time monitoring and modest-resolution videos for extended recording.

### Easy H.264 Recording Video Utility

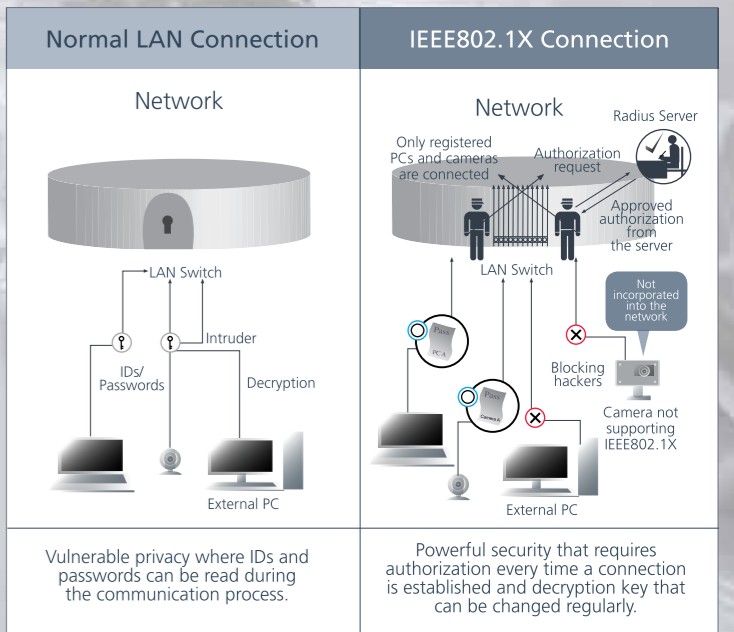
This feature manages videos recorded on a microSD memory card that enables smooth video playback and export within the recording utility, removing the need to download videos onto a PC.



### Optimized Privacy Functions

The privacy mask function provides greater physical security that covers user-sensitive portions of the video feed. For example, a bar is placed over the input of ATM security codes on the feed.

Additionally, the available IEEE802.1X connection is a powerful security system that requires authorization for every connection established. The combination of both reinforces security authentication while ensuring privacy.



### Customized Video Settings

Save four custom settings that are aligned to the daily light changes in the video environment. These settings can be alternated automatically with the timer, enabling the video feed to capture optimized high-quality footage around the clock.

#### Example of Use: In an Office

- 6:00: Custom Memory #1**  
Light adjusted to match sunlight entering  
• Exposure: -1  
• White balanced: Sunlight
- 8:00: Custom Memory #2**  
Adjusted for backlight and the start of the working day  
• Exposure: ±0  
• White balanced: Fluorescent lighting  
• SSC: +1
- 18:00: Custom Memory #3**  
Light adjusted to match evening sunlight  
• Exposure: +1
- 22:00: Custom Memory #4**  
Adjusted for the time the lights are switched off  
• Exposure: +2  
• Zoom\*: Wide-angle to watch the entire room

\*VB-S30D only



- VB-S30D**
  - High-performance model for stores, buildings and offices
  - World's smallest\*, Full HD, electric Pan Tilt Zoom (PTZ) design
  - 77.7° horizontal angle view
  - Excellent low light performance with 0.95 lux color and 0.5 lux monochrome
  - F1.4 lens
- VB-S31D**
  - Hyper-performance model for small spaces
  - Compact, electric Pan Tilt (PT), Fixed-Focus design
  - 95° horizontal angle view
  - Excellent low light performance with 0.45 lux color and 0.25 lux monochrome
  - F1.6 lens
- VB-S800D**
  - Cost-performance dome model for business and retail settings
  - Digital Pan Tilt Zoom (PTZ), compact Fixed-Dome design
  - 95° horizontal angle view
  - Excellent low light performance with 0.45 lux color and 0.25 lux monochrome
  - F1.6 lens
- VB-S900F**
  - High-powered security box model for warehouse and industrial units
  - Unique, digital Pan Tilt Zoom (PTZ), compact box design
  - 96° horizontal angle view
  - Excellent low light performance with 0.4 lux color and 0.2 lux monochrome
  - F1.6 lens

\*Refers to compact dome cameras with PTZ function as of July 2013