VB-S800VE

Compact vandal-resistant dome camera built for challenging outdoor weather conditions.

Light and compact fixed dome camera featuring an ultra wide-angle UD lens, crisp Full HD imaging with superior low-light performance, and an integrated microphone for added high-quality audio.

- See more of the scene with the Canon VB-S800VE's ultra wide-angle 93.8° lens and manual pan, tilt and rotate functions

- Ultra Low Dispersion (UD) lens elements provide clear, low-distortion Full HD images

- Wide fixed-focus f/1.6 lens aperture for superb low-light performance

- Record high-quality contextual data with the integrated omni-directional microphone and background noise reduction technology

- Tough IK10 impact and IP66 weatherproof protection, yet lightweight and compact

- Motion Adaptive Noise Reduction and Area-specific Data Size Reduction (ADSR) maintain image quality while minimising data size

- Intelligent on-board analytics functions for advanced alarm detection

- Live monitoring and management from a wide range of supported web browsers and mobile devices

- Easy to install, ideal for keeping project costs to a minimum

- ONVIF® Profile S compliant

Product Range:

VB-S30VE
VB-S800VE
VB-S30D
VB-S31D
VB-S800D
VB-S805D

DiGiC DV III	DiGiC NET	Digital 4x zoom	Digital PTZ	FULL HD	AUTO SSC
Intelligent Function	microSD	Simple Camera Setting	IK10	IP66	

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Technical Specifications

VB-S800VE

CAMERA	
Image Sensor	1/3 type CMOS (primary colour filter)
Number of Effective Pixels	Approx. 2.1 million pixels
Scanning Method	Progressive
Lens	2.7 mm
F-number	F1.6
Viewing Angle For 16:9 aspect ratios	Horizontal: 93.8° Vertical: 58.7°
For 4:3 aspect ratios	Horizontal: 75.0° Vertical: 58.7°
Day/Night Switch	Auto/Day Mode/Night Mode
Min. Subject Illumination	Day Mode (colour): 0.5 lux (F1.6, shutter speed 1/30 sec., SSC off, 50IRE) Night Mode (monochrome): 0.3 lux (F1.6, shutter speed 1/30 sec., SSC off, 50IRE)
Shooting Distance (from front of lens)	Day Mode: 0.5 m (1.6 ft.) – infinity Night Mode: 0.5 m (1.6 ft.) – infinity
Shutter Speed	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000, 1/16000 sec.
Exposure	Auto/Auto (Flickerless)/Auto (Flickerless2)/Auto (Shutter-priority AE)/Manual
White Balance	Auto/Manual/Daylight Fluorescent/White Fluorescent/Warm Fluorescent/Mercury Lamp/Sodium Lamp/Halogen Lamp Manual: One-shot WB/R Gain/B Gain
Metering Mode	Center-Weighted/Average/Spot
Exposure Compensation	9 levels
Smart Shade Control	Auto/Manual/Disable Auto: 3 levels Manual: 7 levels
Haze Compensation	Auto/Manual/Disable Auto: 3 levels Manual: 7 levels
AGC Limit	6 levels
Motion-Adaptive NR (Noise Reduction)	Available
Pan Angle Range	350° (±175°)
Tilt Angle Range	90° (ceiling-mounted position: -90° – 0°) – When the horizontal position is 0°
Rotation Angle Range	180° (±90°)
Built-in microphone	Omni-directional electret condenser microphone Sensitivity: -40 dB (0 dB=1 V/Pa) S/N Ratio: 62 dB or greater Frequency Response: 50 Hz – 16 kHz

SERVER	
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 1280 x 960, 640 x 480, 320 x 240
Video Quality	JPEG, H.264: 10 levels
Frame Rate	JPEG: 0.1 – 30 fps H.264: 1/2/3/5/6/10/15/30 fps – Values represent streaming performance from the camera. – The frame rate may be reduced due to Viewer computer'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. Maximum frame rate when used in the following combinations: 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 720) and H.264(2) (1280 x 720) simultaneously: 15 fps When streaming H.264(1) (1280 x 960) and H.264(2) (1280 x 960) 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
Bit Rate Control	Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps
ADSR: Area-specific Data Size Reduction	Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels
Security	Camera Control: Administrator, Authorized user, Guest user (level of control varies depending on user) Access Control: User authority (user name and password), Host Access Restrictions (IPv4, IPv6) IEEE802.1X: EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec

Protocol	IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPv1/v2c/v3 (MIB2), DHCP, DNS, AutoIP, mDNS, ARP, ICMP, POP3, NTP, SMTP, RTP/RTCP, RTSP, SSL/TLS, IPsec, ONVIF, WV-HTTP (Canon proprietary)
ONVIF Profile	Profile-S
Audio Compression Method	G.711 μ-law (64 kbps)
Audio Communication Method	Full-duplex (two-way)/half-duplex (One-way communication) RTP, Sound Transfer Protocol by Canon
Audio File Playback	Available (audio files can be played back when an event is triggered by the intelligent function or external device input) – A third-party amplifier speaker is necessary
Privacy Mask	Number of registration: Max. 8 places, Number of mask colors: 1 (select from 9 colors)
Preset	Number of registers: Max. 20 positions (+Home Position) Number of Preset Tour Route : Max 1
Intelligent Function (Video)	Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection, Passing Detection, and Intrusion Detection Detection Settings: Max. 15 Non-detection Area Settings: Available
Intelligent Function (Audio)	Volume Detection
Event Trigger Type	External Device Input, Intelligent Function (Video), Intelligent Function (Audio), Timer, Day/Night Switch Number of Linked Events: 2 Linked Event Conditions: OR, AND (whether or not there is a sequence to events)
Image Upload	FTP/HTTP
Event Notification	HTTP/SMTP (e-mail)
Log Notification	SMTP (e-mail)
Image Cropping Function	Digital PTZ 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 English Only - The following languages require the use of the On-Screen Display Assist Tool. German/Spanish/French/Italian/Russian/Turkish/Chinese (Simplified)/Japanese
Daylight Saving Time	Available

INTERFACE	
Network Terminal	LAN x 1 (RJ45, 100Base-TX (auto/full-duplex/half-duplex))
Audio Output Terminal (LINE OUT)	Φ3.5 mm (Φ0.14 in.) mini-jack connector (monaural) LINE OUT (connect to an amplifier speaker)
External Device I/O Terminal	Input x 1, Output x 1
Memory Card	microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card Compatible. Recorded Content: Log, Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate: Max. 1 fps (JPEG) Max. 30 fps (H.264) – To insure reliability in the recording speed, it is recommended to use CLASS 10 rated products. Even when using CLASS 10 products, reliability cannot be guaranteed during heavy access loads (e.g., when recording and deleting data at the same time).

OTHER	
Operating Environment	Temperature Operating Temperature Range: -25°C – +50°C (-13°F – +122°F) Start-up Temperature Range: -10°C – +50°C (+14°F – +122°F) Humidity 5% – 85% (without condensation)
Installation	Ceiling mount/Surface mount
Power Supply	PoE function : PoE power supply via LAN connector (IEEE802.3af compliant)
Power Consumption	Max. 3.9 W – Class 2 power sourcing equipment (requests 7.0 W)
Dimensions	(Φ x H) Φ132 x 65 mm (Φ5.20 x 2.56 in.) – Camera only
Weight	Approx. 600 g (21.2 oz.)
Impact Resistance (VB-S30VE) (VB-S800VE)	IK10 (20J)
Dust-resistant/Waterproof Specification	IP66
Certifications and Compatibility	EN55032 Class B, FCC part15 subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS EN55032 Class B, CNS13438 Class B, KN32 Class B, EN55024, KN35, EN50581 IEC/UL/EN60950-1, EN50130-4, IEC/UL/EN60529 IP66, IEC/UL/EN62262 IK10

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Technical Specifications

VB-S800VE

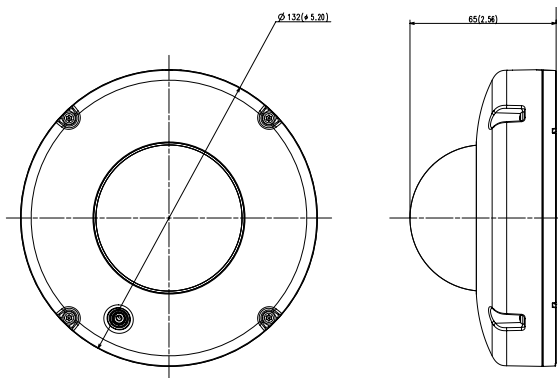| APPLICATION	
Viewer	Camera Viewer Mobile Camera Viewer
Software	Camera Management Tool RM-Lite Recorded Video Utility On-screen Display Assist Tool
Language	German/English/Spanish/French/Italian/Russian/Thai/Turkish/Chinese (Simplified) / Japanese
Operating Environment	(Setting page, Viewer)
PC	CPU (Recommended): Intel Core i7-2600 or higher Graphics Board (Recommended): Not specified Memory (Recommended): 2 GB or higher Viewer Display (Recommended): 1920 x 1080 or higher
Operating System	Windows Vista Ultimate/Business/Enterprise/Home Premium SP2 32/64-bit Windows 7 Ultimate/Professional/Enterprise/Home Premium SP1 32/64-bit Windows 8.1/Windows 8.1 Pro/Windows 8.1 Enterprise 32/64-bit* Windows 10 Pro/Windows 10 Enterprise/Windows 10 Education/Windows 10 Home 32/64-bit Windows Server 2008 Standard SP2 32/64-bit Windows Server 2008 R2 Standard SP1 64-bit Windows Server 2012 Standard 64-bit* Windows Server 2012 R2 Standard 64-bit* * Can not be started from the start screen
Operating System Language	Setting Page, Camera Viewer, Mobile Viewer, CCMT, Record Video Utility: German/English/Spanish/French/Italian/Russian/Thai/Turkish/Chinese (Simplified)/Japanese On-screen Display Assist Tool: German/English/Spanish/French/Italian/Russian/Turkish/Chinese (Simplified)/Japanese
Compatible Browser	"Internet Explorer 9 32-bit Internet Explorer 10/11 32/64-bit Microsoft Edge* Chrome 50* * Does not support playback of Video (H.264) and audio files, reception of audio – Must be configured to allows use of JavaScript, IFRAME (html tag), and web storage. – For Camera Viewer only, cookies must be enabled
Compatible Mobile Devices	Surface, iPad, iPhone, Nexus, Galaxy

Operating Environment	Camera Management Tool, Recorded Video Utility
Software	Runtime Library Camera Management Tool: .NET Framework 3.5 SP1 (When using Internet Explorer 9) .NET Framework 4.5 (When using Internet Explorer 10/11) .NET Framework 4.6 (When using Internet Explorer 11) – One of the above must be installed Recorded Video Utility .NET Framework 3.5 SP1 .NET Framework 4.5 .NET Framework 4.6 – One of the above must be installed
Verified Mobile Devices	Seeting Page, Viewer - As of May 2016
Surface 3	Operating System Windows 10 Pro/Windows 10 Enterprise/Windows 10 Education/Windows 10 Home 64-bit Compatible Web Browser Internet Explorer 11 Microsoft Edge* – Must be configured to allows use of JavaScript, and web storage – For Camera Viewer only, cookies must be enabled * Does not support playback of Video (H.264) or audio transmission/reception
Apple Devices	iPad Mini 3/4, Air/Air2, iPhone 6/6 Plus, 6S/6S Plus Operating System iOS 8.4.1 iOS 9.3.2 Compatible Browser Safari – Must be configured to allow use of JavaScript, iFRAME (html tag), and web storage – For Camera Viewer only, cookies must be enabled – Does not support playback of Video (H.264) and audio files, reception of audio – Setting page and Camera Viewer is not supported on the iPhone
Android Devices	Nexus 9, Galaxy Tab S 8.4, 10.5 (Android 6.0.1, 4.4.2) Compatible Web Broswer: Chrome 46, 47 - Does not support playback of Video (H.264) or audio transmission/reception Nexus 6, Galaxy S6 (Android 6.0.1) Compatible Web Browser: Chrome 50 - Does not support playback of Video (H.264) or audio transmission/reception - Setting Page and Camera Viewer is not supported

What's in the box?

- VB-S800VE main Unit
- Setup CD-ROM
- Wrench
- I/O interface cable

- Installation guide & template
- Safety wire & screw
- RJ45 coupler
- Warranty card

Dimensions (mm)

Compatible Accessories

CB30VE-VB
Conduit Box

PC30VE-VB
Pendant Mounting Kit

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Sales Start Date: Dec 2016 / Jan 2017

Product Details:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
Network Camera VB-S800VE	1388C001AA	4549292078374	<Please fill in RRP>

Optional Accessories:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
Conduit Box CB30VE-VB	1735C001AA	4549292078848	<Please fill in RRP>
Pendant Mounting Kit PC30VE-VB	1736C001AA	4549292079685	<Please fill in RRP>

Measurement / Logistic Information:

Product Name	Mercury code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Net Weight (kg)	Gross Weight (kg)
Network Camera VB-S800VE	1388C001AA	EA	Each						
		CT	Carton						
		EP	Euro Pallet						

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