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
### Technical Specifications

#### 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**: Horizontal: 95.8°  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 lx  (F1.6, shutter speed 1/50 sec., 55°C off, SDR0)  Night Mode (monochrome): 0.3 lx  (F1.6, shutter speed 1/30 sec., 55°C off, SDR0)
- **Shooting Distance** (from front of lens): Day Mode: 0.3 m (1.0 ft.) – infinity  Night Mode: 0.5 m (1.6 ft.) – infinity
- **Shutter Speed**: 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 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 (Flickerless3)/Manual
- **White Balance**: Auto/Manual/Daylight Fluorescent/White Fluorescent/Warm Fluorescent/Mercury Lamp/Sodium Lamp/Halogen Lamp
- **Manual**: One-shot/Manual/Rear WB Gain/Rear Gain
- **Metering Mode**: Center-Weighted/Average/Spot
- **Exposure Compensation**: 9 levels
- **Smart Shade Control**: Auto/Manual/Disable
- **Manual**: 5 levels
- **AGC Limit**: 9 levels
- **Motion-Adaptive NR (Noise Reduction)**: Available
- **Pan Angle Range**: 360° (horizontal)
- **Tilt Angle Range**: 90° (ceiling-mounted position: 90° – 0°)
- **Rotation Angle Range**: 180° (190°)
- **Built-in microphone**: Omni-directional electret condenser microphone
- **Frequency Response**: 50 Hz – 16 kHz
- **S/N Ratio**: 62 dB or greater
- **Sensitivity**: -40 dB (0 dB=1 V/Pa)
- **Scanning Method**:
  - For 4:3 aspect ratios: 58.7°
  - For 16:9 aspect ratios: 93.8°

#### SPECIFICATION
- **Frame Rate**:
  - JPEG: O.1 – 30 fps
  - H.264: 1/2, 1/5, 1/10, 1/30 fps
  - Video quality: streaming real-time performance from the camera.
- **Video Size**:
  - JPEG, H.264: 1280 x 960, 320 x 240
- **Video Quality**:
  - JPEG, H.264: 10 levels
- **I-Frame Interval**: 0.5/1.5/2/3/4/5/6.5/7.5/10/15 fps
- **Simultaneous Client Access**: Max. 30 Clients + 1 Admin Client
- **Bit Rate Control**: Target Bit Rate: 64 kbps to 256 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)
- **Camera Control**: User authority (owner name and password), Access Control Restrictions (IP4, IP6)
- **IEEE802.1X**: EAP-MD, EAP-TLS, EAP-PEAP
- **Encrypted Communication**: SSL/TLS, IPsec

#### ONVIF Profile
- **Profile-S**

#### Audio Compression Method
- **G.711 u-law / a-law**

#### Audio Communication Method
- **Full-duplex (half-duplex)/half-duplex**
  - 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 Routes: Max 1

#### Intelligent Function (Video)
- **Event Trigger Type**: 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**: Available

#### Event Trigger Type
- **External Device Input**: Available
- **Intelligent Function (Video)**: Available
- **Intelligent Function (Audio)**: Available
- **Timer**: Available
- **Day/Night Switch**: Available
- **Linked Event Conditions**: OR, AND (whether or not there is a sequence to events)

#### Image Upload
- FTP/HTTP

#### Log Notification
- SMTP (e-mail)

#### Image Cropping Function
- Digital PTZ

#### On-Screen Display
- Available: English Only
  - The following languages require the use of the On-Screen Display Assist Tool.
  - German, French, Italian, Spanish, Polish, Russian, Turkish, Korean, Chinese, Simplified, Traditional
  - When using CLASS 10 products, reliability cannot be guaranteed during heavy access loads (e.g., when recording and deleting data at the same time).

#### INTERFACE
- **Network Terminal**: LAN x 1 (RJ45, 100Base-TX (auto/100-bit RX)
- **Audio Output Terminal**: 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
- **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
- **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 70 W)
- **Dimensions**: (Φ x H) 91.2 x 65 mm (Ø3.6 x 2.6 in.)
  - Class B only
- **Weight**: Approx. 600 g (21.2 oz.)
- **Impact Resistance**: IK10 (2J)
- **Dust-resistant/Waterproof**: IP66
### Technical Specifications

<table>
<thead>
<tr>
<th>Certifications and Compatibility</th>
</tr>
</thead>
</table>

### Application

<table>
<thead>
<tr>
<th>Viewer</th>
<th>Camera Viewer, Mobile Camera Viewer</th>
</tr>
</thead>
</table>

| Camera software | Camera Management Tool, Recorded Video Utility, On-screen Display Assist Tool |

| Language | German/English/Spanish/French/Italian/Polish/Russian/Turkish/Korean/Chinese (Simplified)/Japanese |

### Operating Environment

**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 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 32/64-bit
- Windows Server 2012 Standard 64-bit
- Windows Server 2012 R2 Standard 64-bit
- Windows Server 2016 Standard 64-bit

*Can not be started from the start screen

<table>
<thead>
<tr>
<th>Compatible Operating System Language</th>
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</thead>
<tbody>
<tr>
<td>Setting Page, Camera Viewer, Mobile Viewer, Camera Management Tool, Recorded Video Utility: German/English/Spanish/French/Italian/Polish/Russian/Turkish/Korean/Chinese (Simplified)/Japanese</td>
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<tr>
<td>On-screen Display Assist Tool: German/Spanish/French/Italian/Polish/Russian/Turkish/Korean/Chinese (Simplified)/Japanese</td>
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<table>
<thead>
<tr>
<th>Compatible Browser</th>
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</thead>
<tbody>
<tr>
<td>Internet Explorer 9 32-bit</td>
</tr>
<tr>
<td>Internet Explorer 10/11 32/64-bit</td>
</tr>
<tr>
<td>Microsoft Edge*</td>
</tr>
<tr>
<td>Chrome 65*</td>
</tr>
</tbody>
</table>

*Does not support playback of Video (H.264) or audio transmission/reception

### What’s in the box?

- VB-S800VE main Unit
- Before Using this Camera
- EAC-Supported Guide
- Wrench
- I/O interface cable
- Installation guide & template
- Safety wire & screw
- RJ45 coupler
- Warranty card
- Waterproofing tape

### Dimensions

<table>
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<tr>
<td>VB-S800VE</td>
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</table>

### Compatible Accessories

- CB30VE-VB Conduit Box
- PC30VE-VB Pendant Mounting Kit

### 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 (When using Internet Explorer 9)
- NET Framework 4.0 or higher (When using Internet Explorer 10/8)
- Recorded Video Utility
- NET Framework 3.5 (When using Windows Server 2008 Standard SP2 32/64-bit)
- NET Framework 4.0 or higher

### Verified Mobile Devices

- Setting Page, Viewer - As of April 2016

### Surface 3

- Operating System: Home 64-bit
- Compatible Web Browser: Internet Explorer 11 Microsoft Edge*  
  Must be configured to allow 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 Pro 9.7-inch, iPad Pro 10.9-inch, iPhone 7, iPhone 8 Plus, iPhone X
- Operating System: iOS 10.3.3
- iOS 11
- 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) or 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 (Android 7.1, 4.4.2)
- Compatible Web Browser: Chrome 45
- Does not support playback of Video (H.264) or audio transmission/reception
  Setting Page and Camera Viewer is not supported

- Nexus 6P, Galaxy S8 (Android 8.1, 8.0)
- Compatible Web Browser: Chrome 65
- Does not support playback of Video (H.264) or audio transmission/reception
  Setting Page and Camera Viewer is not supported

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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.

Sales Start Date: Dec 2016 / Jan 2017

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### Product Details:

<table>
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<th>Mercury Code</th>
<th>EAN Code</th>
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<td>1388C001AB</td>
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### Optional Accessories:

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### Measurement / Logistic Information:

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<th>Gross Weight (kg)</th>
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