

VB-R13VE & VB-R12VE

All-weather and vandal resistant speed domes delivering maximum visual coverage.

Ideal for demanding outdoor applications these Full HD continuous 360° PTZ cameras offer extensive protection, precision control and accurate monitoring.



Shown with Ceiling Mnt Kit

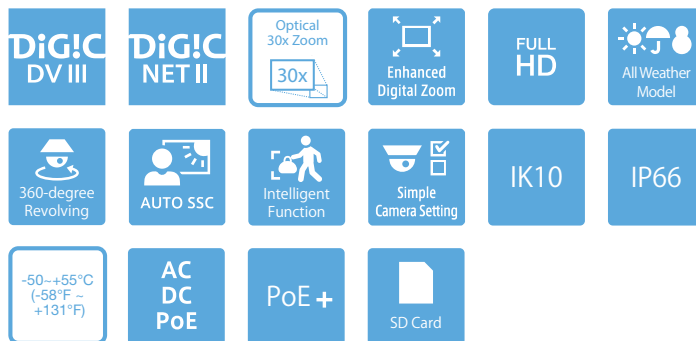


Shown with Wall Mnt kit

- 30x zoom for exceptional detail and surveillance coverage
- Continuous panning, Auto-Flip and advanced subject tracking
- Stunning low-light performance and fast, accurate auto focus
- Vandal and weather resistant, with an extended operating temperature range
- Enhanced Digital Zoom extends the camera's zoom capabilities while maximising image quality
- Motion Adaptive Noise Reduction and Area-Specific Data Size Reduction (ADSR) maintain video quality while reducing bandwidth usage
- On-board analytics functions provide intelligent alert detection capabilities
- Configure and view live streams on supported web browsers and mobile devices
- ONVIF® Profile S and Profile G compliant

Product Range

VB-R13VE
VB-R12VE
VB-R11VE
VB-R10VE
VB-R13
VB-R11



VB-R13VE & VB-R12VE

Technical Specifications

| | VB-R13VE | VB-R12VE |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CAMERA | | |
| Image Sensor | 1/3 type CMOS (primary colour filter) | |
| Number of Effective Pixels | Approx. 2.1 million pixels | |
| Scanning Method | Progressive | |
| Lens | 30x optical zoom (20x digital zoom) lens with auto focus | |
| Focal Length | 4.4 (W) - 132 mm (T) | |
| F-number | F1.4 (W) - F4.6 (T) | |
| Viewing Angle | For 16:9 aspect ratios: Horizontal: 62.6° (W) - 2.2° (T) Vertical: 36.9° (W) - 1.3° (T) For 4:3 aspect ratios Horizontal: 48.5° (W) - 1.7° (T) Vertical: 36.9° (W) - 1.3° (T) | |
| Day/Night Switch | Auto / Day Mode / Night Mode | |
| Min. Subject Illumination | Day Mode (colour): 0.05 lux (F1.4, shutter speed 1/30 sec., SSC off, 50IRE) Night Mode (monochrome): 0.002 lux (F1.4, shutter speed 1/30 sec., SSC off, 50IRE) Smoked Dome fitted (sold separately) Day Mode (colour): 0.1 lux (F1.4, shutter speed 1/30 sec., SSC off, 50IRE) Night Mode (monochrome): 0.004 lux (F1.4, shutter speed 1/30 sec., SSC off, 50IRE) | |
| Focus | Auto / One-shot AF / Manual / Fixed at infinity | |
| Shooting Distance (from front of lens) | Day Mode: 0.3 m (12 in.) - infinity (W) 2.0 m (6.6 ft.) - infinity (T) Night Mode: 1.0 m (3.3 ft.) - infinity (W) 2.0 m (6.6 ft.) - infinity (T) | |
| 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 (Shutter-priority AE) / Auto (Aperture-priority AE) / Manual (Shutter Speed, Aperture, Gain) | |
| White Balance | Auto / Light Source / Manual Light Source: 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 - Brightens shaded areas of a video | |
| Haze Compensation | Auto / Manual / Disable Auto: 3 levels Manual: 7 levels | |
| AGC Limit | 6 levels | |
| Image Stabilizer | 2 levels (digital) | |
| Motion-Adaptive NR (Noise Reduction) | Available | |
| Pan Angle Range | 360° continuous panning | |
| Tilt Angle Range | 180° (ceiling-mounted position: 0° - 180°) - When the horizontal direction of the camera is 0° NB: - When the tilt angle is between angles below, the dome cover can cause a line to appear in the video, as well as a decline in the video quality 0° - 12° (168° - 180°) (W) 0° - 5° (175° - 180°) (T) | |
| Moving Speed | Pan: Max. 450°/sec. Tilt: Max. 450°/sec. | |
| 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 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 | |
| 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-MDS, 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) | |
| Audio Compression Method | G.711 μ -law (64 kbps) | - |
| Audio Communication Method | Full-duplex (two-way) - Echo cancellation function compliant RTP, Sound Transfer Protocol by Canon | - |

| | VB-R13VE | VB-R12VE |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) | |
| Panorama | Available | |
| View Restriction | Available | |
| Preset | Number of registers: Max. 256 positions (+Home Position) Number of Preset Tour Route: Max. 5 | |
| Intelligent Function (Video) | Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection, Passing Detection, Intrusion Detection, and Auto Tracking Detection Settings: Max. 15 Non-detection Area Settings: Available | |
| Intelligent Function (Audio) | Volume Detection, Scream 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) | External Device Input, Intelligent Function (Video), Timer, Day/Night Switch |
| Image Upload | FTP / HTTP / SMTP (e-mail) | |
| Event Notification | HTTP / SMTP (e-mail) | |
| Log Notification | SMTP (e-mail) | |
| Enhanced Digital Zoom | Available | |
| Maximum Digital Zoom Magnification Selection | 5x/10x/15x/20x Available English / Chinese (Simplified) / Japanese | |
| Daylight Saving Time | Available | |
| INTERFACE | | |
| Network Terminal | LAN x1 (RJ45, 100Base-TX (auto / full-duplex / half-duplex)) | |
| Audio Input Terminal (common for LINE IN & MIC IN) | ϕ 3.5 mm (ϕ 0.14 in.) mini-jack connector (monaural) LINE IN (connect to an amplifier microphone) or MIC IN (connect to a microphone w/o amplifier) - Switch LINE IN/MIC IN in the setting page. | - |
| Audio Output Terminal (LINE OUT) | ϕ 3.5 mm (ϕ 0.14 in.) mini-jack connector (monaural) LINE OUT (connect to an amplifier speaker) | - |
| External Device I/O Terminal | Input x 2, Output x 2 | - |
| Memory Card | SD Memory Card, SDHC Memory Card, SDXC 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 CLASS10 rated products. Even when using CLASS10 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 (including direct sun exposure) AC: -50°C - +55°C (-58°F - +131°F) PoE+: -35°C - +55°C (-31°F - +131°F) DC, PoE: -10°C - +55°C (+14°F - +131°F) Start-up Temperature Range (including direct sun exposure) AC, PoE+: -30°C - +55°C (-22°F - +131°F) DC, PoE: -10°C - +55°C (+14°F - +131°F) Humidity 5% - 85% (without condensation) | |
| Installation Method | Ceiling mount / Surface mount - Canon will not guarantee proper operation if the cameras are installed on surfaces where the angle is more than 45° from horizontal, because this will put a heavy load onto sliding mechanical parts and may affect durability. | |
| Power Supply | PoE: PoE power supply via LAN connector (IEEE802.3at Type1/Type2 compliant) AC Adapter: PA-V18 (100 - 240 V AC) (sold separately) External power source: 24 V AC/12 V DC | |
| Power Consumption | PoE+: Max. approx. 22.4 W*1 PoE: Max. approx. 11.3 W*2 AC Adapter PA-V18: Max. approx. 13.8 W (100 V AC) Max. approx. 13.8 W (240 V AC) DC: Max. approx. 12.3 W AC: Max. approx. 34.8 W *1 Class 4 power sourcing equipment (requests 30.0 W) *2 Class 0 power sourcing equipment (requests 15.4 W) | |
| Dimensions | (ϕ x H) ϕ 229 x 324 mm (ϕ 9.02 x 12.76 in.) - Camera only | (ϕ x H) ϕ 229 x 324 mm (ϕ 9.02 x 12.76 in.) - Camera only (excluding connector height) |
| Weight | Approx. 3530 g (7.79 lb.) | Approx. 3420 g (7.54 lb.) |
| Impact Resistance | IK10 (20J) | |
| Dust-resistant/Waterproof Specification | IP66 | |
| International Standard | EN55032 Class A, FCC part15 subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS / NZS EN55032 Class A, CNS13438 Class A, KN32 Class A, EN55024, KN35, EN50581 IEC / UL / EN 60950-1, IEC / UL / EN 60950-1/-22, EN50130-4, IEC / UL / EN 60529 IP66, IEC / UL / EN 62262 IK10, NEMA 250 Type 4X | EN55032 Class A, FCC part15 subpart B Class A, ICES-3 / NMB-3 Class A, VCCI Class A, RCM AS / NZS EN55032 Class A, EN55024, EN50581 IEC / UL / EN 60950-1, UL / EN / C-UL60950-1 / -22, EN50130-4, IEC / UL / EN 60529 IP66, IEC / UL / EN 62262 IK10, NEMA 250 Type 4X |

VB-R13VE & VB-R12VE

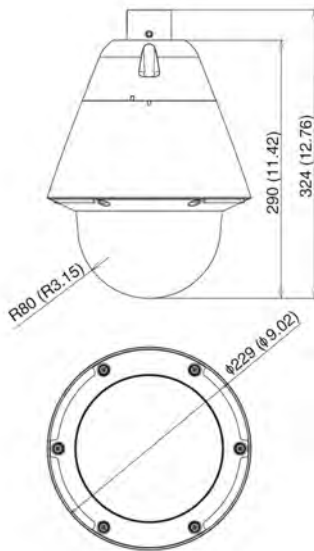
Technical Specifications

| | VB-R13VE | VB-R12VE |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| APPLICATION | | |
| Viewer | Camera Viewer Mobile Camera Viewer | |
| Included Software | Camera Management Tool RM-Lite Recorded Video Utility | |
| Language | German / English / Spanish / French / Italian / Polish / Russian / Thai / Turkish / Chinese (Simplified) / Japanese | |
| Operating System/ Compatible Browser | Windows Vista, Internet Explorer 9 Windows 7, Internet Explorer 11/Chrome 54 Windows 8.1, Internet Explorer 11/Chrome 54 Windows 10, Internet Explorer 11/Microsoft Edge/Chrome 54 Windows Server 2008, Internet Explorer 9 Windows Server 2008 R2, Internet Explorer 11/Chrome 54 Windows Server 2012, Internet Explorer 10/Chrome 54 Windows Server 2012 R2, Internet Explorer 11/Chrome 54 Windows Server 2016, Internet Explorer 11/Chrome 54 | |
| Verified Mobile Devices | Surface, iPad, iPhone, Nexus, Galaxy | |

What's in the box?

- Setup CD-ROM
- Power Interface Cable (VB-R13VE)
- Power Interface Cable (Waterproofing) (VB-R12VE)
- LAN Connector Set (Waterproofing) (VB-R12VE)
- I/O Interface Cable (VB-R13VE)
- Wrench
- Installation Guide
- Warranty Card
- Leaflet of Warranty Card

Dimensions



Compatible Accessories



CM10-VB
Ceiling Mounting Kit



WM10-VB
Wall Mounting Kit



PA-V17 / PA-V18
AC Power Supply
*Available in Euro 2-Pin
& UK 3-Pin plug



PA10-15-VB
1.5 inch Pipe Adapter



DU640-S-VB
Smoked Dome Unit

VB-R13VE & VB-R12VE

All-weather and vandal resistant speed domes delivering maximum visual coverage.

Ideal for demanding outdoor applications these Full HD continuous 360° PTZ cameras offer extensive protection, precision control and accurate monitoring.



Sales Start Date: August 2016

Product Details:

| Product Name | Mercury Code | EAN Code |
|-------------------------|--------------|---------------|
| Network Camera VB-R13VE | 1381C001AB | 4549292074994 |
| Network Camera VB-R12VE | 1382C001AB | 4549292075007 |

Optional Accessories:

| Product Name | Mercury Code | EAN Code |
|---------------------------------|--------------|---------------|
| Ceiling Mounting Kit CM10-VB | 0711C001AA | 4549292043457 |
| 1.5inch Pipe Adapter PA10-15-VB | 0718C001AA | 4549292043525 |
| Wall Mounting kit WM10-VB | 0720C001AA | 4549292043549 |
| Smoked Dome Unit DU10-S-VB | 0721C001AA | 4549292043556 |
| AC Adapter PA-V18 (E) | 8362B002AA | 4960999986791 |
| AC Adapter PA-V18 (GB) | 8362B003AA | 4960999986319 |

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-R13VE | 1381C001AB | EA | Each | 1 | 336 | 376 | 470 | 3.5 | 5.2 |
| | | CT | Carton | 1 | 336 | 376 | 470 | 3.5 | |
| | | EP | Euro Pallet | 12 | | | | 42.4 | |
| Network Camera VB-R12VE | 1382C001AB | EA | Each | 1 | 336 | 376 | 470 | 3.4 | 5.2 |
| | | CT | Carton | 1 | 336 | 376 | 470 | 3.4 | |
| | | EP | Euro Pallet | 12 | | | | 41.0 | |

What's in the box?

- Setup CD-ROM
- Power Interface Cable (VB-R13VE)
- Power Interface Cable (Waterproofing) (VB-R12VE)
- LAN Connector Set (Waterproofing) (VB-R12VE)
- I/O Interface Cable (VB-R13VE)
- Wrench
- Installation Guide
- Warranty Card
- Leaflet of Warranty Card