



Canon

Delighting You Always

Surveillance Supremacy In Spaces That Matter



180° tilt
360° pan

IDEAL FOR OUTDOOR APPLICATION

30x optical zoom
20x digital zoom
Max Speed @ 450°/sec

LOCKDOWN YOUR TARGET WITH **VB-R12VE / VB-R13VE**

Outdoor ready with operational temperature from **-50°C to 55°C**, **extensive weatherproofing and environmental protection**, suitable for use in any demanding outdoor application.

VB-R12VE: no I/O interface, does not support audio related functions.

2.1M	360-degree Revolving	All Weather Model	Auto Tracking	Drag to Move	Area Zoom	DiGiC NET II	DiGiC DV III	Image Stabilization
Auto Day/Night	ADSR	Power Focus	Preset Tours	Linked Event	Intrusion detection	Scream Detection	Privacy Mask	Intelligent Function
Impact Resistance	IK10	IP66	AC DC PoE	PoE+	H.264	SD Card	CCMT	

IDEAL FOR INDOOR APPLICATION

VB-R13

Enhance your vigilance with newly added **autotracking, scream & intrusion detection**. Zoom in to watch every angle with up to **600x zoom** and **high speed 360° endless pan**.

2.1M	360-degree Revolving	Drag to Move	Area Zoom	DiGiC NET II	DiGiC DV III	Image Stabilization
Auto Day/Night	ADSR	Power Focus	Preset Tours	Linked Event	Intrusion detection	Scream Detection
Privacy Mask	Intelligent Function	AC DC PoE	H.264	SD Card	CCMT	



KEY FEATURES

01 PRECISION MONITORING WITH UP TO 600X MAGNIFICATION

- Each Pan/Tilt movement is finely divided and controlled by micro-step driving from Canon SR encoder to enable high precision movement at any angle.
- 30x IR Corrected High UD Optical Zoom Lens with Auto-Flip, Auto Focus & 20x Digital Zoom**

WIDE ANGLE COVERAGE UP TO **62.6°** WITH MAX 256 PRESETS ON **360°** ENDLESS PAN

TOP SPEED: **450°/sec**

WIDE ANGLE COVERAGE **62.6°**

ZOOM **30x**

02 EXCELLENT LOW-LIGHT PERFORMANCE

- High sensitivity CMOS sensor with bigger pixel size to capture more light
- Bright f/1.4 lens and renowned DIGIC image processor to reproduce high quality image with faithful color.

MINIMUM SUBJECT ILLUMINATION
0.002 LUX (MONOCHROME)
0.05 LUX (COLOUR)
2.1 MEGAPIXEL HIGH SENSITIVITY CMOS



03 NEW ADDED FEATURES

- Haze Compensation to enhance visibility of image captured under challenging condition
- Area Specific Data Size Reduction (ADSR) Technology to empower user's control on bandwidth and image quality at specific areas
- Proactive surveillance with inbuilt intrusion, auto-tracking and scream detection

HAZE COMPENSATION

INTELLIGENT DETECTION

ADSR



Business **Can** be simple

SPECIFICATIONS

	VB-R12VE	VB-R13VE	VB-R13
Image Sensor		1/3 type CMOS (primary color filter)	
Number of Effective Pixels		2.1 million pixels	
Scanning Method		Progressive	
Lens		30x optical zoom (20x digital zoom) lens with auto focus	
Focal Length		4.4(W) – 132mm (T) [W: Maximum Wide Angle, T: Maximum Telephoto]	
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)	
Min. Subject Illumination	Day Mode (color):	0.05 lux (F1.4, shutter speed 1/30 sec., when smart shade control is off, 50IRE)	
	Night Mode (B&W):	0.002 lux (F1.4, shutter speed 1/30 sec., when smart shade control is 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, 1/60, 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	
Haze Compensation		Auto/Manual/Disable, Auto: 3 levels, Manual: 7 levels	
Pan Angle Range		360° continuous panning	
Tilt Angle Range		180° (ceiling-mounted position: 0° – 180°) [When the horizontal direction of the camera is 0°]	
Moving Speed		Pan: Max. 450°/sec. Tilt: Max. 450°/sec.	
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	
Simultaneous Client Access		Max. 30 Clients + 1 Admin Client – H.264: Max. 10 Clients	
Bit Rate Control		Target Bit Rate: 64/128/256/384/512/768/1024/2048/3072/4096/6144/8192/10240/12288/14336/16384 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: TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), mDNS, ARP, ICMP, POP3 (Client), NTP (Client), SMTP authentication (POP before SMTP, SMTP-AUTH), AutoIP, RTP/RTCP, RTSP, SSL/TLS, IPsec, WV-HTTP (Canon proprietary), ONVIF (Profile S, Profile G) IPv6: TCP/IP, UDP, HTTP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), mDNS, ICMPv6, POP3 (Client), NTP (Client), SMTP authentication (POP before SMTP, SMTP-AUTH), RTP/RTCP, RTSP, SSL/TLS, IPsec, WV-HTTP (Canon proprietary), ONVIF (Profile S, Profile G)	
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	
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	
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	Intelligent Function (Video), Timer, Day/Night Switch	External Device Input, Intelligent Function (Video), Intelligent Function (Audio), Timer, Day/Night Switch Number of Linked Events: 2, Linked Event Conditions: AND, OR (whether or not there is a sequence to events)	
Image Upload		FTP/HTTP/SMTP (e-mail)	
Event Notification		HTTP/SMTP (e-mail)	
Viewer		Camera Viewer, Mobile Camera Viewer	
Admin Tools		Privacy Mask Setting Tool, Panorama Creation Tool, View Restriction Setting Tool, Intelligent Function Setting Tool, Log Viewer, Recorded Video Utility	
Included Software		Camera Management Tool, RM-Lite, Recorded Video Utility	
Network Terminal		LAN x 1 (RJ45, 100Base-TX (auto/full-duplex/half-duplex))	
Audio Input Terminal (common for LINE IN & MIC IN)	-	Φ3.5 mm (Φ0.14 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)	-	Φ3.5 mm (Φ0.14 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 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).	
Operating Environment		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)	Temperature AC, DC, PoE: -10°C – +50°C (+14°F – +122°F) Humidity 5% – 85% (without condensation)
Storage Environment		Temperature: -30°C – +60°C (-22°F – +140°F), Humidity: 5% – 90% (without condensation)	
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		PoE: PoE power supply via LAN connector (IEEE802.3at Type1 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)		PoE: Max. approx. 10.7 W*, AC Adapter PA-V18: Max. approx. 11.3 W (100 V AC), Max. approx. 11.1 W (240 V AC). DC: Max. approx. 9.7 W, AC: Max. approx. 10.2 W
Dimensions (camera only)	(Φ x H) Φ229 x 324 mm (Φ9.02 x 12.76 in.)	(Φ x H) Φ229 x 324 mm (Φ9.02 x 12.76 in.)	(Φ x H) Φ199 x 199 mm (Φ7.83 x 7.83 in.)
Weight	Approx. 3420 g (7.54 lb.)	Approx. 3530 g (7.79 lb.)	Approx. 1990 g (4.39 lb.)
Impact Resistance		IK10 (20J)	-
Dust-resistant/Waterproof Specification		IP66 rated	-

COMPATIBLE ACCESSORIES:



AC Power Supply, PA-V18 for VB-R12VE, VB-R13VE & VB-R13



Smoked Dome Unit, DU10-S-VB for VB-R12VE, VB-R13VE & VB-R13



Ceiling Mounting Kit, CM10-VB for VB-R12VE & VB-R13VE



Wall Mounting Kit, WM10-VB for VB-R12VE & VB-R13VE



1.5inch Pipe Adapter, PA10-15-VB for VB-R12VE & VB-R13VE



Pendant Mounting Kit, PC640-VB for VB-R13



Recessed Mounting Kit, SR11-S-VB for VB-R13



Plenum Mounting Kit, SR11-P-VB for VB-R13

FOR FULL SPECIFICATIONS, PLEASE REFER TO OUR WEBSITE

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DEALER'S STAMP



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