

VB-M44/B



Keep every angle covered

The VB-M44 1.3 MP PTZ IP security camera combines a powerful 400x zoom, excellent low-light capability and fast auto-focus. Flexible installation options for indoor use.



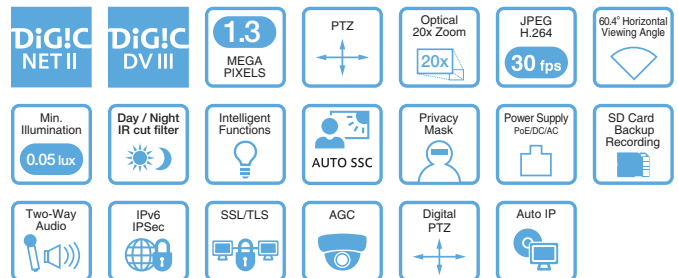
With DR41-C-VB Indoor Clear Dome Housing



VB-M44 B



- 1.3 MP PTZ IP security camera
- Powerful 20x optical zoom lens with 20x digital zoom and fast autofocus
- Superior image quality using Canon DIGIC DV III processor
- Canon DIGIC NET II supports dual H.264 video streams (up to 30 fps)
- Superior low-light performance: colour at 0.05 lux and mono at 0.003 lux
- Auto Smart Shade Control (Auto-SSC) improves foreground objects in bright backlit scenes
- Motion Adaptive Noise Reduction and Area-Specific Data Size Reduction (ADSR) help reduce data size while optimising image quality
- Built-in analytics functions for intelligent and efficient alarm detection
- Live monitoring and configuration on supported web browsers and mobile devices
- ONVIF® Profile compliant
- Two colour options: Silver (VB-M44) and Black (VB-M44B)



Technical Specifications

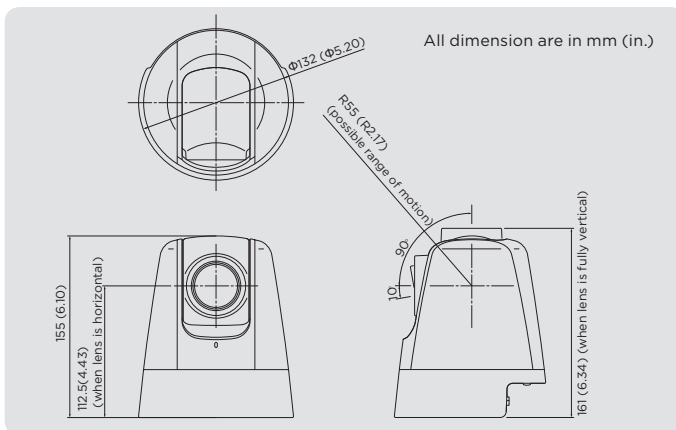
VB-M44/B

CAMERA	
Image Sensor	1/3 type CMOS (primary colour filter)
Number of Effective Pixels	Approx. 1.3 million pixels
Scanning Method	Progressive
Lens	20x optical (20x digital zoom) zoom lens with auto focus
Focal Length	4.7 (W) – 94 mm (T) (W): maximum wide angle, (T): maximum telephoto
F-number	F1.6 (W) – F3.5 (T)
Viewing Angle	For 16:9 aspect ratios: Horizontal: 60.4° (W) – 3.2° (T) Vertical: 35.1° (W) – 1.8° (T) For 4:3 aspect ratios: Horizontal: 46.3° (W) – 2.4° (T) Vertical: 35.1° (W) – 1.8° (T)
Day / Night Switch	Auto / Day Mode / Night Mode
Min. Subject Illumination	Day Mode (colour): 0.05 lux (F1.6, shutter speed 1/30 sec., when smart shade control is off, 50IRE) Night Mode (monochrome): 0.003 lux (F1.6, 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), 1.0 m (3.3 ft.) – infinity (T) Night Mode: 1.0 m (3.3 ft.) – infinity (W), 1.5 m (4.9 ft.) – infinity (T) When [Enable] is selected for [Dome]: Day Mode: 2.0 m (6.6 ft.) – infinity (W, T) Night Mode: 1.0 m (3.3 ft.) – infinity (W), 2.2 m (7.2 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/Manual Daylight Fluorescent/White Fluorescent/Warm Fluorescent/ Mercury Lamp/Sodium Lamp/Halogen Lamp Manual: One-shot WB/R Gain/B Gain
Metering Modes	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
Image Stabilizer	2 levels (digital)
Pan Angle Range	340° (±170°)
Tilt Angle Range	100° (ceiling-mounted position: -90° – +10°)
Moving Speed	Pan: Max. 150°/sec., Tilt: Max. 150°/sec.
SERVER UNIT	
Video Compression Method	JPEG, H.264
Video Size	JPEG, H.264: 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 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.
Max. Frame Rate	When streaming JPEG, H.264 (1280 x 960): 30 fps When used in the following combinations: 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 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)
IEEE802.1X	EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP
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)

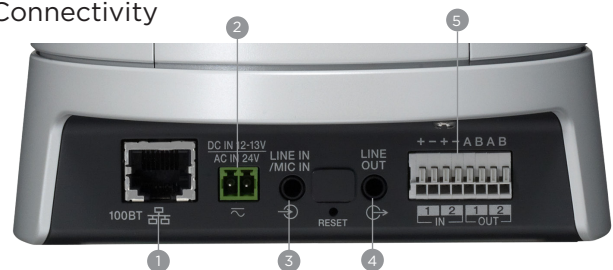
Audio Communication Method	Full-duplex (two-way)/half-duplex RTP, Sound Transfer Protocol by Canon
Audio File Playback	Available (audio files can be played back when an event is triggered by the intelligent function or external device input.) - A third-party amplifier speaker is necessary
Privacy Mask	Number of registration: Max. 8 places, Number of mask colours: 1 (select from 9 colours)
View Restriction	Available
Presets	Number of registers: Max. 64 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 Detection Settings: Max. 15 Non-detection Area Settings: Available Audio: Volume Detection, Scream Detection
Event Trigger Type	External Device Input, Intelligent Function (Video), Intelligent Function (Audio), Timer, Day/Night Mode Switching Number of Linked Events: 2 Linked Event Conditions: OR, AND (whether or not there is a sequence to events)
Image Upload	FTP / HTTP / SMTP (e-mail) Temporary storage memory in camera: Max. approx. 5 MB Frame Rate: Max. 10 fps (JPEG) Max. 30 fps (H.264)
Event Notification	HTTP / SMTP (e-mail)
Enhanced Digital Zoom	Available
On-Screen Display	Available
Daylight Saving Time	Available
APPLICATION	
Viewer	Camera Viewer Mobile Camera Viewer
Included Software	Camera Management Tool RM-Lite Recorded Video Utility On-Screen Display Assist Tool
Language	German/English/Spanish/French/Italian/Polish/Russian/Turkish/Thai/Korean/Chinese (Simplified)/Japanese
INTERFACE	
Network Terminal	LAN x1 (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 x 1 (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. Frame Rate: Max. 1 fps (JPEG) Max. 30 fps (H.264)
OTHER	
Operating Environment	Temperature: -10°C – +50°C (+14°F – +122°F) Humidity: 5% – 85% (without condensation)
Power Supply	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	When using PoE: Max. approx. 9.2 W* When using AC Adapter PA-V18: Max. approx. 9.9 W (100 V AC) Max. approx. 9.4 W (240 V AC) When using DC: Max. approx. 8.6 W When using AC: Max. approx. 8.8 W * Class 0 power sourcing equipment (requests 15.4 W)
Dimensions	(Φx H) Φ132 x 155 mm (Φ5.20 x 6.10 in.)
Weight	Approx. 1140 g (2.52 lb.)
International Standard	EN55032 Class B, FCC part15 subpart B Class B, ICES-003 Class B, VCCI Class B, RCM A5/NZS EN55032 Class B, CNS13438 Class B, KN22 Class B, EN55024, KN24, EN50581 ----- IEC/UL/EN60950-1

All data is based on Canon standard testing methods except where indicated. Subject to change without notice.
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Dimensions



Connectivity



- 1 Network Interface** RJ45, 100Base-TX (Auto / Full-duplex / Half-duplex)
- 2 Power Connection Terminal** 12V DC / 24V AC
- 3 Audio Input** 3.5mm mono mini-jack
- 4 Audio Output** 3.5mm mono mini-jack
- 5 External Device I/O** 2 x Inputs / 2 x Outputs