VB-M50B

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Compact, lightweight and innovative PTZ camera with the ultra-low-light performance required in intelligence and evidence-gathering applications.

This lightweight 1.3MP PTZ camera boasts a large aperture Canon telephoto lens and a highly sensitive CMOS sensor that delivers exceptional detail in low-light conditions.







- Highly sensitive 1/3" 1.3MP CMOS sensor for exceptional low-light performance
- 5x optical wide aperture zoom lens with distortion-suppressing UD elements
- Unique Clear IR Mode and Motion-Adaptive Noise Reduction
- Enhanced Digital Zoom extends camera's zoom capabilities while maximising image quality
- 8 built-in analytics functions provide intelligent and efficient alarm detection
- Support for multiple web browsers and mobile devices
- · Compact, lightweight PTZ design
- ONVIF® Profile S & G

Product Range

VB-R11 VB-H43 VB-M42













































Technical Specifications

VB-M50B

Image Sensor	1/7. 0400 ()					
	1/3 type CMOS (primary color filter)					
Number of Effective Pixels	Approx. 1.3 million pixels					
Scanning Method	Progressive					
Lens	5x optical zoom (20x digital zoom) auto focus lens					
Focal Length	17.7 (W) - 88.5 mm (T)					
F-number	F1.8 (W) - F2.4 (T)					
Viewing Angle	For 16:9 aspect ratios:					
	Horizontal: 15.6° (W) – 3.2° (T) Vertical: 8.8° (W) – 1.8° (T)					
	For 4:3 aspect ratios					
	Horizontal: 15.6° (W) - 3.2° (T)					
. /**	Vertical: 11.7° (W) - 2.4° (T)					
Day/Night Switch	Auto/Day Mode/Night Mode					
Min. Subject Illumination	Day Mode (colour): 0.04 lux Night Mode (monochrome): 0.002 lux					
	- (F1.8, 1/30 sec., SSC off, 50IRE)					
Focus	Auto/One-shot AF/Manual/Fixed at infinity					
Shooting Distance	Day Mode: 3.0 m (9.8 ft.) - infinity (W), 5.0 m (16.4 ft.) - infinity (T)					
(from front of lens)	Night Mode: 3.0 m (9.8 ft.) - infinity (W), 5.0 m (16.4 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,					
Evnecure	1/2000, 1/4000, 1/8000, 1/10000, 1/16000 sec. Auto/Auto (Flickerless)/Auto (Shutter-priority AE)/Auto (Aperture-priority					
Exposure	Acto/Auto (Flickeriess)/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	9 levels					
Compensation						
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	Available					
Clear IR Mode	Available					
Pan Angle Range	348° (±174°)					
Tilt Angle Range	105° (ceiling-mounted position: -90° - +15°)					
	- When the horizontal direction of the camera is 0°					
Moving Speed	Pan: Max. 300°/sec.					
	Tilt: Max. 300°/sec.					
SERVER						
Video	JPEG, H.264					
Compression Method						
Video Size	JPEG, H.264: 1280 x 720, 640 x 360, 320 x 180					
Video Size	1280 x 960, 640 x 480, 320 x 180					
Video Quality	JPEG, H.264: 10 levels					
	JPEG, H.264: 10 levels JPEG: 0.1 - 30 fps					
Video Quality Frame Rate	JPEG, H.264: 10 levels					
	JPEG, H.264: 10 levels JPEG: 0.1 - 30 fps H.264: 1/2/3/5/6/10/15/30 fps - Values represent streaming performance from the camera.					
	JPEG, H.264: 10 levels 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					
	JPEG, H.264: 10 levels JPEG: 0.1 - 30 fps H.264: 1/2/3/5/6/10/15/30 fps - Values represent streaming performance from the camera.					
	JPEG, H.264: 10 levels 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 streaming:					
	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps					
Frame Rate	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps					
Frame Rate I-Frame Interval	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps 0.5/1/1.5/2/3/4/5 sec.					
Frame Rate I-Frame Interval Simultaneous	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps					
Frame Rate I-Frame Interval Simultaneous Client Access	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps 0.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/					
Frame Rate I-Frame Interval Simultaneous Client Access Bit Rate Control	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps					
I-Frame Interval Simultaneous Client Access Bit Rate Control	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps					
Frame Rate I-Frame Interval Simultaneous Client Access	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels Camera Control: Administrator, Authorized user, Guest user (level of					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps 0.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels Camera Control: Administrator, Authorized user, Guest user (level of control varies depending on user)					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 × 720) and H.264(2) (1280 × 720) simultaneously: 15 fps H.264(1) (1280 × 960) and H.264(2) (1280 × 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels Camera Control: Administrator, Authorized user, Guest user (level of control varies depending on user) Access Control: User authority (user name and password), Host Access					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps 0.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels Camera Control: Administrator, Authorized user, Guest user (level of control varies depending on user)					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels 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) IEEE80.2.1X: EAP-MDS, EAP-TLS, EAP-TTLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps U.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels 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-TLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPv1/v2c/v3 (MIB2), DHCP, DNS,					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction Security	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps 0.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels 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.IX: EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPVI/V2C/v3 (MIB2), DHCP, DNS, AUtolP, mDNS, ARP, ICMP, POP3, NTP, SMTP, RTP/RTCP, RTSP, SSL/TLS,					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction Security	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps U.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels 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-TLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPv1/v2c/v3 (MIB2), DHCP, DNS,					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction Security Protocol Audio Compression	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/614/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels 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) IEEE80.2.1X: EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPVI/V2c/v3 (MIB2), DHCP, DNS, AUtolP, mDNS, ARP, ICMP, POP3, NTP, SMTP, RTP/RTCP, RTSP, SSL/TLS, IPsec, ONVIF, WV-HTTP (Canon proprietary)					
I-Frame Interval Simultaneous Client Access Bit Rate Control ADSR: Area- specific Data Size Reduction Security Protocol Audio	JPEG, H.264: 10 levels 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 streaming: H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 fps H.264(1) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps O.5/1/1.5/2/3/4/5 sec. Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients Target Bit Rate: 64/128/256/384/512/768/1024/1536/2048/3072/4096/614/8192/10240/12288/14336/16384 kbps Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels 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) IEEE80.2.1X: EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP Encrypted Communications: SSL/TLS, IPsec IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SNMPVI/V2c/v3 (MIB2), DHCP, DNS, AUtolP, mDNS, ARP, ICMP, POP3, NTP, SMTP, RTP/RTCP, RTSP, SSL/TLS, IPsec, ONVIF, WV-HTTP (Canon proprietary)					

Audio File Physback Audio File Physback Physback Audio File Physback Privacy Mask Number of registration: Max. 8 places, Number of mask colors: 1 (select from 9 colors) Panorama Audio Del Perset Number of registration: Max. 8 places, Number of mask colors: 1 (select from 9 colors) Panorama Audio Del Preset Number of registration: Max. 8 places, Number of mask colors: 1 (select from 9 colors) Panorama Audio Del Preset Number of registration: Max. 8 places, Number of mask colors: 1 (select from 9 colors) Number of Preset Tour Route: Max. 5 Intelligent Privaction Panorama Audio Del Perset Del Rection Types: Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Panorama Dete									
From 9 colors		the intelligent function or external device input)							
View Restriction	Privacy Mask	from 9 colors)							
Number of registers: Max. 64 positions (+Home Position) Intelligent Detection Types Moving Object Detection. Abandoned Object Detection. Removed Object Detection. Abandoned Object Detection. A									
Intelligent									
Removed Object Detection, Camera Tampering Detection, Passing Detection, and Intrusion Detection Detection Detection, and Intrusion Detection, and Intrusion Detection, and Intrusion Detection Settings: Max. 15 Non-detection Settings: Max. 15 Non-detection Area Settings: Available	Preset								
Event Trigger Type Event Trigger Type Event Trigger Type Event 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/SMTP (e-mail) Event Notification MTTP (e-mail) Image Cropping Punction 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 132/128 x 96 Enhanced Digital Zoom Available Enlanced Daylish saving Available INTERFACE Network Terminal LAN x1 (R.145, 100Base-TX (auto/full-duplex/half-duplex)) Available INTERFACE Network Terminal LAN x1 (R.145, 100Base-TX (auto/full-duplex/half-duplex)) Audio Input Terminal Common for LINE IN & Mic IN) IN & Mic IN) IN & Mic IN) JUNE 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 Q.3.5 mm (Q0.14 in) mini-jack connector (monaural) LINE IN (connect to an amplifier speaker) JUNE 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 Memory Card SD Memory Card, SDHC Memory Card, SDXC Memory Card Compatible. Recorded Content: Log, Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer, Upload) Frame Rate (Lance), Video (Event, Manual, ONVIF, Timer		Removed Object Detection, Camera Tampering Detection, Passing Detection, and Intrusion Detection Detection Settings: Max. 15 Non-detection Area Settings: Available							
Adulo (Linked Event Conditions: OR, AND (whether or not there is a sequence to events)		Volume Detection, Scream Detection							
Event Notification	Event Trigger Type	(Audio), Timer, Day/Night Switch Number of Linked Events: 2 Linked Event Conditions: OR, AND (whether or not there is a sequence							
Log Notification SMTP (e-mail)	Image Upload	FTP/HTTP/SMTP (e-mail)							
Image Cropping 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 216/256 x 144/128 x 72 640 x 480/512 x 384/384 x 216/256 x 144/128 x 72 640 x 480/512 x 384/384 x 288/256 x 192/128 x 96	Event Notification	HTTP/SMTP (e-mail)							
Cropping sizes 640 x 360/512 x 288/384 x 216/256 x 144/128 x 72	Log Notification	SMTP (e-mail)							
Maximum Digital Sx/10x/15x/20x Available English/Chinese (Simplified)/Japanese		Cropping sizes: 640 x 360/512 x 288/384 x 216/256 x 144/128 x 72							
Daylight Saving Time Available English/Chinese (Simplified)/Japanese Daylight Saving Time Available		Available							
English/Chinese (Simplified)/Japanese		5x/10x/15x/20x							
INTERFACE	On-Screen Display								
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 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). OTHER Operating Environment Temperature AC, DC, PoE: -10°C - +50°C (+14°F - +122°F) Humidity S% - 85% (without condensation) Storage Environment Temperature - 250°C +50°C (+22°F - +140°F) Humidity S% - 85% (without condensation) Storage Environment Ceiling mount - 250°C +46°C (+22°F) + 140°F) Humidity S% - 85% (without condensation) Design power supply without condensation) Installation Method Power Supply PoE: PoE power supply without condensation)		Available							
Audio Input Terminal (common for LINE IN (connect to an amplifier microphone) or MIC IN (connect to a amplifier microphone) or MIC IN (connect to a microphone) or MIC IN (connect to an amplifier speaker) Audio Output Terminal (LINE OUT) (connect to an amplifier speaker)	INTERFACE								
Terminal (common for 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. 4 audio Output Terminal	Network Terminal	LAN x 1 (RJ45, 100Base-TX (auto/full-duplex/half-duplex))							
LINE OUT (connect to an amplifier speaker)	Terminal (common for LINE	LINE IN (connect to an amplifier microphone) or MIC IN (connect to a microphone w/o amplifier)							
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)	Terminal								
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 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) Installation Method Ceiling mount - Canon will not guarantee proper operation if the cameras are installed on surfaces where the angle is more than ±5° from horizontal or on walls, 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 Typel 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. 9.8 W* AC Adapter PA-V18 (100 - 240 V AC) (sold separately) DC: Max. approx. 10 W AC: Max. approx. 10 W AC: Max. approx. 10 W AC: Max. approx. 9.6 W * Class 0 power sourcing equipment (requests 15.4 W) Dimensions (Ф x H) Ф129 x 157 mm (Ф5.08 x 6.18 in.) - Camera only Weight Approx. 1170 g (2.58 lb.) International Standard EN55032 Class B, FCC part15 subpart B Class B, ICES-003 Class B, KN32 Class B, EN55032 Class B		Input x 2, Output x 2							
Temperature	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							
Temperature	OTHER								
Formal	Operating	AC, DC, PoE: -10°C - +50°C (+14°F - +122°F) Humidity							
Method - Canon will not guarantee proper operation if the cameras are installed on surfaces where the angle is more than ±5° from horizontal or on walls, 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 Typel 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. 9.8. W*		-30°C - +60°C (-22°F - +140°F) Humidity							
(IEEE802.3at Typei compliant)		Ceiling mount - Canon will not guarantee proper operation if the cameras are installed on surfaces where the angle is more than ±5° from horizontal or on walls, because this will put a heavy load onto sliding mechanical parts							
Consumption AC Adapter PA-V18: Max. approx. 11.2. W (100 V AC) Max. approx. 11.2. W (240 V AC) DC: Max. approx. 10 W AC: Max. approx. 9.6 W * Class 0 power sourcing equipment (requests 15.4 W) Dimensions (Φ x H) Φ129 x 157 mm (Φ5.08 x 6.18 in.) - Camera only Weight Approx. 1170 g (2.58 lb.) International Standard EN55032 Class B, FCC part15 subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS EN55032 Class B, CNS13438 Class B, KN32 Class B, EN55024 KN35, ENS5031	Power Supply	(IEEE802.3at Typel compliant) AC Adapter: PA-V18 (100 - 240 V AC) (sold separately)							
Dimensions (Φ x H) Φ129 x 157 mm (Φ5.08 x 6.18 in.) Camera only - Camera only Weight Approx. 1170 g (2.58 lb.) International Standard EN55032 Class B, FCC part15 subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS EN55032 Class B, CNS13438 Class B, KN32 Class B, EN55024, KN35, ENS5081		AC Adapter PA-V18: Max. approx. 11.2. W (100 V AC) Max. approx. 11.2. W (240 V AC) DC: Max. approx. 10 W AC: Max. approx. 9.6 W							
International	Dimensions	(Φ x H) Φ129 x 157 mm (Φ5.08 x 6.18 in.)							
Standard Class B, RCM AS/NZS EN55032 Class B, CNS13438 Class B, KN32 Class B, EN55024, KN35, EN50581	Weight	*							
		Class B, RCM AS/NZS EN55032 Class B, CNS13438 Class B, KN32 Class B, EN55024, KN35, EN50581							

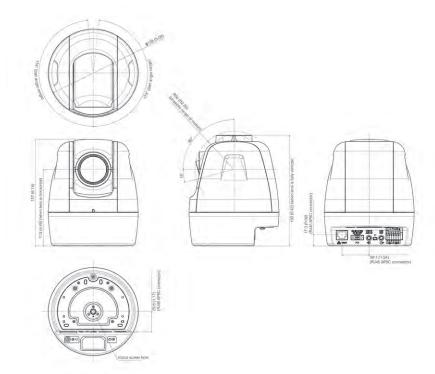


VB-M50B

Technical Specifications

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 V.Ista, Internet Explorer 9 Windows 7, Internet Explorer 11/Chrome 54 Windows 81, Internet Explorer 11/Chrome 54 Windows 10, Internet Explorer 11/Microsoft Edge/Chrome 54 Windows Server 2008, Internet Explorer 9 Windows Server 2008 RZ, Internet Explorer 11/Chrome 54 Windows Server 2012, Internet Explorer 10/Chrome 54 Windows Server 2012, RZ, Internet Explorer 11/Chrome 54 Windows Server 2012 RZ, Internet Explorer 11/Chrome 54 Windows Server 2016, Internet Explorer 11/Chrome 54					
Verified Mobile Devices	Surface, iPad, iPhone, Nexus, Galaxy					

Dimensions



What's in the box?

- VB-M50B Main Unit
- Power Connector(L-type)
- Power Connector(Straight)
- Setup CD-ROM
- Installation Guide
- Warranty Card
- Leaflet of warranty card
- Packaging



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VB-M50B

Compact, lightweight and innovative PTZ camera with the ultra-low-light performance required in intelligence and evidence-gathering applications.

This lightweight 1.3MP PTZ camera boasts a large aperture Canon telephoto lens and a highly sensitive CMOS sensor that delivers exceptional detail in low-light conditions.

Sales Start Date: May 2016



Product Details:

Product Name	Mercury Code	EAN Code		
VB-M50B	1064C001AB	4549292065756		

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)
VB-M50B	1064C001AB	EA	Each	1	180	228	207	1.2	1.7
		СТ	Carton	6	564	436	264	7.0	
		EP	Euro Pallet	12				14.0	

