



VB-M600VE

FIXED VANDAL RESISTANT NETWORK DOME CAMERA

Tough Outdoor Megapixel Security Camera

The Canon VB-M600VE is a 1.3 Megapixel fixed vandal resistant IP security camera that provides excellent low-light performance and is designed for areas where it may be subject to abuse. The VB-M600VE is housed in a polycarbonate/aluminum dome that can absorb impacts from all angles. The dome has a dust and water-resistance rating of IP66 that can protect against heavy water sprays from any angle. Inside the dome the VB-M600VE lens and camera mechanism is mounted in a damping mechanism to protect it against impacts. The VB-M600VE is equipped with a 1/3-inch 1.3 Megapixel CMOS image sensor, and Canon's advanced **DiGiC NET** processor for simultaneous transmission of high-quality 1280x960/30fps video in M-JPEG and bandwidth-saving H.264 codec. The VB-M600VE is also equipped with On-board Video Analytics including Moving Object Detection, Removed Object Detection, Abandoned Object Detection and alerts for Camera Tampering and Volume Detection. The VB-M600VE is installation-friendly as it features Canon's unique Easy Setup PTRZ Tool which utilizes special motors to adjust the Pan/Tilt/Rotation angles and Zoom/Focus after installation, and it conforms to the ONVIF network-interoperability standard for simplified integration.



Key Features

- ▶ Genuine Canon 101.2° Wide Angle Lens
- ▶ ONVIF version 1.02 Conformant Product
- ▶ IP66 Outdoor Rated
- ▶ Vandal Resistant - absorbs impacts from all angles
- ▶ Brilliant Low-light Performance - color video down to 0.018 Lux* and B/W down to 0.001 Lux*
- ▶ 1.3 Megapixel CMOS Sensor
- ▶ Canon's Unique Easy Setup PTRZ Tool
- ▶ On-board Video Analytics
- ▶ H.264 and JPEG
- ▶ **DiGiC NET** Processor
- ▶ Smart Shade Control



VB-M600VE provides excellent low-light performance.

Recommended For:

- ▶ Educational Institutions
- ▶ Financial Institutions
- ▶ Train Stations/Bus Stops
- ▶ Correctional Facilities
- ▶ Shopping Malls
- ▶ Elevators

VB-M600VE

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PRODUCT NAME: VB-M600VE ITEM CODE: 4960B001 UPC CODE: 13803131529

SPECIFICATIONS

CAMERA UNIT	IMAGE SENSOR	1/3" 1.3 MegaPixel CMOS Sensor		
	TOTAL NUMBER OF PIXELS	Approx. 1.3 Million Pixels		
	SCANNING METHOD	Progressive Scan		
	ZOOM	3x Optical Zoom		
	FOCAL LENGTH / F-STOP	F= 2.8 (W) – 8.4 mm (T) / F1.2 - 2.0		
	ANGLE OF VIEW	101.2° (W) / 33.7° (T)		
	ROTATION RANGE	350° (± 175°)		
	PAN ANGLE RANGE	350° (± 175°)		
	TILT ANGLE RANGE	150° (± 75°)		
	MOVING RATE	Pan: 19.2°/Sec, Tilt: 14.2°/Sec, Rotate: 43.7°/Sec		
	DAY / NIGHT MODE	Auto / Manual		
	IR CUT FILTER	Yes		
	MINIMUM ILLUMINATION	COLOR	0.018*	
		B & W	0.001*	
	FOCUS	One-shot AF / Manual / Fixed at Infinity		
	FOCUS RANGE	Day Mode: 1 Ft. / Night Mode: 3.3 Ft.		
	AUTO EXPOSURE	Auto / Flickerless / Shutter Priority AE / Manual		
	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 sec.		
	WHITE BALANCE	Auto / Select Light Source (Warm Fluorescent, White Fluorescent, Daylight Fluorescent, Mercury Lamp, Sodium Lamp, Halogen Lamp) / Lock (One-shot WB) / Manual		
	METERING MODE	Center-Weighted / Average / Spot		
	EXPOSURE COMPENSATION	7 Levels		
SMART SHADE CONTROL	7 Levels			
VIDEO COMPRESSION METHOD	H.264 / MJPEG			
OUTPUT IMAGE/VIDEO SIZE	H.264	1280 x 960, 640 x 480, 320 x 240		
	MJPEG	1280 x 960, 640 x 480, 320 x 240, 160 x 120		
VIDEO QUALITY	MJPEG / H.264: 5 Levels			
FRAME RATE	H.264: 10 / 15 / 30 fps / MJPEG: 0.1 - 30 fps			
MAXIMUM FRAME RATE	H.264: 30 fps @ 1280 x 960 / MJPEG: 30 fps @ 1280 x 960			
SIMULTANEOUS CLIENT ACCESS	H.264: 10 clients / JPEG: 30 Clients			
AUDIO COMPRESSION METHOD	G.711 µ-LAW (64kbps)			
AUDIO COMMUNICATION	2-Way Full Duplex			
AUDIO PLAYBACK	Audio files can be played on event detection			
PROTOCOL	Pv4	TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (client), DHCP (client), DNS (client), ARP, ICMP, POP3, NTP, SMTP authentication, WW-HTTP (Canon protocol), ONVIF		
	IPv6	TCP/IP, UDP, HTTP, FTP, SMTP (client), DNS (client), ICMPv6, POP3, NTP, SMTP authentication, WW-HTTP (Canon protocol), ONVIF		
COMMUNICATION ENCRYPTION	HTTPS, IPsec			
CAMERA CONTROL USER TYPES	Administrator / Authorized Users / Guests			
VIEW RESTRICTION	Available			
PRIVACY MASK	Up to 8 locations			
CONNECTION RESTRICTION	Username / password, IP address restriction			
VIDEO ANALYTICS (Intelligent Function)	Image: Moving Object Detection / Removed Object Detection / Abandoned Object Detection / Camera Tampering Detection			
	Field of Detection: Max. 15 places Sound: Volume Detection			
IMAGE UPLOAD	JPEG: FTP / HTTP / SMTP			
TEMPORARY STORAGE	Removable SD / SDHC card (up to 32gb), up to 1fps			
EVENT NOTIFICATION	HTTP / SMTP (e-mail)			
INTERFACE	NETWORK	1 RJ-45 (100Base-TX, Negotiation: auto / full / half, IEEE 802.3af)		
	AUDIO TERMINALS	INPUT	1 Mini-Jack Connector (Mono), LINE IN / MIC IN	
		OUTPUT	1 Mini-Jack Connector (Mono), LINE OUT	
EXTERNAL DEVICE I / O TERMINAL	Input: x 2, Output: x 2			
OPERATING TEMPERATURE	TEMPERATURE / HUMIDITY			
	14° - 122° F / -10° - 50° C / 5 - 85%RH (No Condensing) -22° - 122° F / -30° - 50° C / 5 - 85%RH (w/ opt. Heater)			
POWER SUPPLY	POWER OVER ETHERNET	via LAN Connector (IEEE802.3af compliant)		
	OPTIONAL AC ADAPTER	AC 100V-240V (PA-V17)		
POWER CONSUMPTION	OPTIONAL EXTERNAL POWER	AC 24V / DC 12V		
	WITH POWER OVER ETHERNET	Approx. 8.6 Watts		
	WITH OPTIONAL AC ADAPTER	Approx. 10.9 Watts		
	DC INPUT (DC 12V)	Approx. 9 Watts		
ENCLOSURE	AC INPUT (AC 24V)	Approx. 8.3 Watts		
	WITH OPTIONAL HEATER UNIT (24VAC needed)	Approx. 18.9 Watts		
ENCLOSURE	DIMENSIONS	7.09 x 5.79 in. (180 x 147 mm)		
	WEIGHT	4.22 lbs (1910 g)		
	INGRESS RESISTANCE RATING	IP66		
POWER SUPPLY	BUNDLED SOFTWARE	VB Initial Setting Tool, RM-Lite		

OPTIONAL ACCESSORIES

ITEM CODE NO.	DESCRIPTION
2245B001	PA-V17 AC Adapter
5004B001	PS600-VB Junction Box Mounting Kit
5091B001	SR600-VB Recess Mounting Kit
5092B001	HU600-VB Heater Unit (needs 24V AC)

OPTIONAL SOFTWARE

ITEM CODE NO.	DESCRIPTION
4973B001	RM-Lite-V (Additional Installation License)

Impact and Weather Resistance

Impact Resistance

The VB-M600VE contains a new damping mechanism that allows the lens to move 15mm inside the camera body. This, with a vandal resistant enclosure, allows for the camera to absorb impacts.



Water Resistant

The VB-M600VE is both dust and water resistant with an Ingress Resistant Rating of IP66, which can keep out heavy sprays of water at any angle.

Cold Weather Resistant

The VB-M600VE can be purchased with an optional heater that allows for camera operation down to -22° F (needs AC 24V).

ONVIF Conformant Product

The VB-M600VE is compatible with the ONVIF (Open Network Video Interface Forum) version 1.02 protocol, a standard communication protocol. It is now easier to integrate the VB-M600VE with other ONVIF compliant 3rd party products. The VB-M600VE is also backwards compatible with earlier versions of the ONVIF protocol.



*Ratings based on F1.2, 1/8 second and Smart Shade Control on.

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