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 **DiG!C 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 101.2º 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

VB-M600VE provides excellent low-light performance.

- ▶ H.264 and JPEG
- ▶ **DiG!C NET** Processor
- ▶ Smart Shade Control

Recommended For:

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

VB-M600VE

Canon

VB-M600VE

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

CAMERA SERVER		
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, WV-HTTP (Canon protocol), ONVIF
	IPv6	TCP/IP, UDP, HTTP, FTP, SMTP (client), DNS (client), ICMPv6, POP3, NTP, SMTP authentication, WV-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)
OPTIONAL EXTERNAL POWER		AC 24V / DC 12V

POWER CONSUMPTION		
WITH POWER OVER ETHERNET		Approx. 8.6 Watts
WITH OPTIONAL AC ADAPTER		Approx. 10.9 Watts
DC INPUT (DC 12V)		Approx. 9 Watts
AC INPUT (AC 24V)		Approx. 8.3 Watts
WITH OPTIONAL HEATER UNIT (24V AC 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 (Aiddtional 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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For more info:
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