

# VB-M600D FIXED NETWORK DOME CAMERA

## Indoor Megapixel Camera

The 1.3 Megapixel VB-M600D is equipped with a generous array of high-tech features designed to meet the needs of end-users and installers alike. It offers a 101.2° wide angle lens which produces high-quality images with minimal aberrations due to advanced Canon lens-coating technology, and brilliant low-light performance with color video down to 0.018 Lux. The VB-M600D 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-M600D 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. This model also includes 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-M600D is a versatile fixed network dome camera suited for a wide range of IP security applications.



## Key Features

- ▶ Genuine Canon 101.2° Wide Angle Lens
- ▶ ONVIF version 1.02 Conformant Product
- ▶ 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 Set-up PTRZ Tool
- ▶ On-board Video Analytics
- ▶ H.264 and JPEG



*Abandoned Object Detection - the detection area, sensitivity and duration can be finely tuned allowing for precise, real-time event detection by the camera.*

- ▶ **DiGiC NET** Processor
- ▶ Smart Shade Control

## Recommended For:

- ▶ Reception Areas
- ▶ Retail Stores
- ▶ Elevators
- ▶ Hotel Lobbies
- ▶ Educational Institutions
- ▶ Airports

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PRODUCT NAME: VB-M600D ITEM CODE: 4959B001 UPC CODE: 13803134797

## 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	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		
CAMERA SERVER	VIDEO COMPRESSION METHOD	H.264 / JPEG	
	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)	Motion Detection / Removed Object / Abandoned Object / Camera Tampering / Sound 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	
	(REQUIRES AUDIO INTERFACE CABLE)	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)	
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	DC Input (DC12V) 9 Watts	
	WITH OPTIONAL AC ADAPTER	AC Input (AC24V) 8.3 Watts	
ENCLOSURE	DIMENSIONS	7.32" x 5.51"	
	WEIGHT	2.65 lbs. (1200g)	
SOFTWARE	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

## OPTIONAL SOFTWARE

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

## Easy Set-up PTRZ Tool

Motorized Pan/ Tilt/ Rotate/ Zoom for adjusting camera viewing position after installation



Gone is the need to struggle with focus or lens positioning in difficult installation environments. The VB-M600D features Canon's Easy Set-up PTRZ Tool which is a built-in motor that allows the change of its Pan/ Tilt/Rotation angles, as well as Zoom and Focus after the camera is installed. Just plug the camera in and access the camera remotely to position the camera lens and focus.

## ONVIF Conformant Product

The VB-M600D is compatible with the ONVIF (Open Network Video Interface Forum) version 1.02 protocol, a standard communication protocol. ONVIF support makes it easy to integrate the VB-M600D with other ONVIF compliant third-party products. The VB-M600D is also backwards compliant with earlier versions of the ONVIF Protocol.



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

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