

VB-M40 PTZ NETWORK CAMERA

Sophisticated PTZ Megapixel

Combining a compact, durable design with smooth movement, the Canon 1.3 Megapixel VB-M40 Pan/Tilt/Zoom IP security camera comes equipped with an impressive 20x optical zoom lens with 4x digital zoom, a 55.4° wide angle of view, and an advanced-algorithm Auto Focus for accurate focusing even in low-light, haze, and other challenging situations. The VB-M40's image quality is also aided by an Electronic Image Stabilization feature which minimizes blur that can be caused by vibration in the installation base. The VB-M40 is equipped with a 1/3-inch 1.3 Megapixel CMOS image sensor, 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-M40 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-M40 also conforms to the ONVIF network-interface standard for integration convenience.



Key Features

- ▶ 20x Optical Zoom Lens with Auto Focus
- ▶ Genuine Canon 55.4° Wide Angle Lens
- ▶ ONVIF version 1.02 Conformant Product
- ▶ 1.3 Megapixel CMOS Sensor
- ▶ Brilliant Low-light Performance - color video down to 0.03 Lux* and B/W video down to 0.001 Lux*
- ▶ On-board Video Analytics
- ▶ H.264 and JPEG



Impressive 20x Optical Zoom with Auto Focus.

- ▶ **DiG!C NET** Processor
- ▶ Image Stabilizer

Recommended For:

- ▶ Hospitals/Medical Facilities
- ▶ Educational Institutions
- ▶ Construction Sites
- ▶ Transportation Centers
- ▶ Museums
- ▶ Web Conferencing

VB-M40

VB-M40

PRODUCT NAME: VB-M40 ITEM CODE: 4085B002 UPC CODE: 13803118018

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	20x Optical Zoom (4x Digital Zoom)		
	ANGLE OF VIEW	55.4° (W) / 2.8° (T)		
	PAN ANGLE RANGE	340° (± 170°)		
	TILT ANGLE RANGE	100° (- 90° to 10°)		
	MOVEMENT RANGE	Pan: 1 – 150° / sec, Tilt: 1 – 150° / sec		
	FOCAL LENGTH	F= 4.7 mm (W) / 94 mm (T)		
	F-NUMBER	F1.6 (W) – 3.5 (T)		
	DAY/ NIGHT MODE	Auto / Manual		
	IR CUT FILTER	Yes		
	MINIMUM ILLUMINATION	COLOR	0.03 Lux (F1.6, 1/8 sec., SSC ON)	
		B & W	0.001 Lux (F1.6, 1/8 sec, SSC ON)	
	FOCUS	Auto / One-shot AF / Manual / 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		
	IMAGE STABILIZER	Electronic (ON1 / ON2 / OFF)		
	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	IPv4	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			
PRESETS	20 Preset Positions			
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)			
DISPLAY LANGUAGES	English / Japanese / French / Italian / German / Spanish			
INTERFACE	NETWORK	1 RJ-45 (100Base-TX, Negotiation: auto/full/half, IEEE 802.3af)		
	AUDIO TERMINALS	Input	1 Mini-Jack Connector (Mono), LINE IN or 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)		
	POWER OVER ETHERNET	via LAN Connector (802.3af compliant)		
POWER SUPPLY	OPTIONAL AC ADAPTER	AC 100V - 240V (PA-V17)		
	OPTIONAL EXTERNAL POWER	AC 24V / DC 12V		
POWER CONSUMPTION	PoE	Approx. 9.8 W		
	AC ADAPTER (PA-V17)	Approx. 12.5 W		
	DC INPUT (DC 12V)	Approx. 10.6 W		
	AC INPUT (AC 24V)	Approx. 9.8 W		
OTHER	BUNDLED SOFTWARE	VB Initial Setting Tool, RM-Lite		
	DIMENSIONS	5.20 x 6.10 in. (132 x 155 mm)		
	WEIGHT	2.535 lbs. (1.15 kg)		

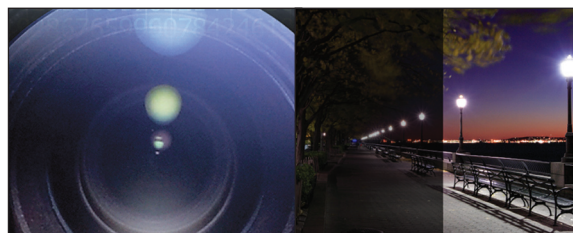
OPTIONAL ACCESSORIES

ITEM CODE NO.	DESCRIPTION
2245B001	PA-V17 AC Adapter
4963B001	DR40-C-VB Clear Indoor Recess Housing
4963B002	DR40-S-VB Smoked Indoor Recess Housing
4962B002	SS40-B-VB Black Ceiling Mount Cover

OPTIONAL SOFTWARE

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

Brilliant Low-Light Performance



The lens on the VB-M40 has been treated with special coatings and engineered with new auto focus algorithms to allow the camera to provide high quality images even in the toughest lighting conditions (like starlight). The VB-M40 provides color video down to 0.03 Lux and B/W video down to 0.001 Lux.

On-Board Video Analytics

The VB-M40 includes a variety of Video Analytics

- Moving Object Detection
- Volume Detection
- Removed Object Detection
- Camera Tampering Detection
- Abandoned Object Detection

The detection area, sensitivity and duration can be finely tuned, allowing for precise event detection by the camera, while advanced notification tools can notify predesignated parties, saving valuable response time.

The VB-M40 also includes a Privacy Mask Function which can be used to block selected areas of the camera's view. In sensitive locations where surveillance is required but particular areas can't be seen or recorded – such as door entry or ATM keypads, computer monitors or apartment windows – a Privacy Mask will hide that area while still allowing a full range of motion.

*Ratings based on F1.6, 1/8 second and Smart Shade Control on.

©2011 Canon U.S.A., INC. All rights reserved. Specifications and availability are subject to change without notice. Weight and dimensions are approximate. All images and effects are simulated. Canon and DIGIC are registered trademarks of Canon Inc. in the United States and may also be registered trademarks in other countries. IMAGEANYWARE is a trademark of Canon. "ONVIF" and ONVIF are trademarks of ONVIF Inc. Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies. Warning: Unauthorized recording of copyrighted materials may infringe on the rights of copyright owners and be contrary to copyright laws.



For more info:
Call 1-800-OK-CANON (1-800-652-2666)
www.usa.canon.com/professional