

|                     |                    |
|---------------------|--------------------|
| <b>PRODUCT NAME</b> | <b>VB-M40</b>      |
| <b>ITEM CODE</b>    | <b>4073B001</b>    |
| <b>UPC CODE</b>     | <b>13803118018</b> |



## FEATURES

- **1.3 MegaPixel CMOS Sensor** - CMOS Sensor for Maximum Image Quality
- **20x Optical Zoom (4x Digital)** - Maximum image accuracy throughout zoom range
- **55.4° Wide Angle Lens with Auto-Focus** - Genuine Canon optics
- **Powerful DIGIC NET Processor** - Simultaneously stream video at same frame rate
- **Image Stabilizer** - Compensates for image blur caused by camera shaking
- **Smart Shade Control** - Allows for Proper Exposure in the Entire Image
- **Exceptional Low Light Performance** - Color images at 0.03 lux of light
- **Auto Day/Night Capability** - Switches automatically for variable lighting conditions
- **In-Camera Object Analytics** - Moving, Removed, Abandoned Object Detection
- **In-Camera Security Analytics** - Camera Tampering and Sound Detection
- **Two-Way Audio (Full Duplex)** - Send and receive audio simultaneously
- **H.264 / Motion-JPEG Video** - High Quality Video with Low Bandwidth Utilization
- **SD / SDHC Support** - Backs up live images During Network Outages
- **PoE (Power over Ethernet)** - Power over a single LAN cable; 802.3af compliant
- **HTTPS / IPsec Support** - Ensures Secure Communication
- **ONVIF Conformant** - Allows for easy 3rd party integration

## CONTENTS OF KIT

- VB-M40 Network Camera
- Power Connector
- Setup CD-ROM
- Installation Guide
- Warranty Card

## 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) |

## PACKAGING INFORMATION

| CONTENTS         | W x D x H  | WEIGHT                 |
|------------------|--|------------------------|
| Individual       | 8.97 x 7.32 x 8.23 in<br>(228 x 186 x 209 mm)    | 3.52 lbs.<br>(1.6kg)   |
| Master (4 Boxes) | 17.32 x 15.52 x 10.55 in<br>(440 x 394 x 268 mm) | 16.02 lbs.<br>(7.27kg) |

## 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) / 2.9° (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)<br>Black & White: 0.001 Lux (F1.6, 1/8 sec. SSC ON)  |
| FOCUS                      | Auto / One-shot AF / Manual / Infinity  |
| FOCUS RANGE                | Day: 1 ft / Night: 3.3 ft   |
| AUTO EXPOSURE              | Auto / Flicker-free / 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 / Manual / One-Shot / Select Light Source (Warm Fluorescent, White Fluorescent, Daylight Fluorescent, Mercury Lamp, Sodium Lamp, Halogen Lamp)   |
| 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 / MJPEG   |
| OUTPUT IMAGE/VIDEO SIZE    | H.264:1280 x 960, 640 x 480, 320 x 240<br>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<br>IPv6: TCP/IP, UDP, HTTP, FTP, SMTP (client), DNS (client), ICMPv6, POP3, NDP, 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           | Privacy Mask, Pan / Tilt / Zoom Range Limitation  |
| PRIVACY MASK               | Up to 8 locations   |
| CONNECTION RESTRICTION     | Username / password, IP address restriction   |
| VIDEO ANALYTICS            | Motion Detection / Removed Object / Abandoned Object / Camera Tampering / Sound Detection   |
| DETECTION AREAS            | Up to 15 locations  |
| 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  |
| CAMERA SERVER              |   |
| INTERFACE                  | NETWORK: 1 RJ-45 (100Base-TX, Negotiation: auto/full/half, IEEE 802.3af)<br>AUDIO TERMINALS: Input: 1 Mini-Jack Connector (Mono), LINE IN or MIC IN<br>Output: 1 Mini-Jack Connector (Mono), LINE OUT<br>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               | PoE: via LAN Connector (IEEE802.af compliant)<br>OPTIONAL AC ADAPTER: AC 100V - 240V (PA-V17)<br>OPTIONAL EXTERNAL POWER: AC 24V / DC 12V   |
| POWER CONSUMPTION          | WITH PoE: Maximum approximately 9.8W<br>WITH OPTIONAL AC ADAPTER: Maximum approximately 12.5W   |
| OTHER                      | BUNDLED SOFTWARE: VB Initial Setting Tool, RM-Lite<br>DIMENSIONS: 5.20 x 6.10 in<br>WEIGHT: 2.535 lbs.  |

This information is brought to you by:



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