

Network Camera

VB-M40 and VB-M40B

you can



Intelligent camera for mid to high end security & monitoring applications.

The VB-M40 and VB-M40B pan tilt zoom network camera offers 1.3 Megapixel, 20x optical zoom with superior low-light performance and embedded video content analytics. Flexible installation options with indoor and outdoor domes.

20X OPTICAL
ZOOM

340° PAN
100° TILT

1.3 MP UP TO 30
FRAMES/SEC

H.264 AND
MOTION JPEG

EMBEDDED
ANALYTICS

SMART SHADE
CONTROL

Key features

- Two colour options: Silver (VB-M40) and Black (VB-M40B)
- 1.3 Megapixel PTZ Camera
- High colour reproduction and low noise through use of Canon DIGIC NET and CMOS technology allowing Motion JPEG & H.264 at 1280 x 960 pixels at 30 fps
- Unrivalled low-light performance in colour at 0.6 lux & B/W at 0.06 lux
- Best in class lens specification in compact body - 20x optical zoom AF Lens with 55.4 degree wide angle of view (F-number F1.6 to F3.5)
- Up to 15 embedded video content analytics functions that can run in parallel
- IR cut filter Day/Night Function
- Efficient power usage
- Full duplex audio & external device connectivity
- ONVIF compliant
- Privacy Mask Function and built-in SD memory card slot.



Canon

VB-M40/B

Specifications

IMAGE SENSOR	
Type	1/3 inch CMOS with primary colour filter
Number of Pixels	Approx. 1.3 million pixels
Scanning System	Progressive
OPTICS	
Zoom Magnification & Control	20x powered zoom lens with Auto Focus
Focal Length	4.7mm (wide) – 94mm (telephoto)
Horizontal Field of View	55.4° (wide) – 2.9° (telephoto)
Lens F-Number	f/1.6 – f/3.5
Minimum Subject Illumination	Day Mode: 0.6 lux (Colour, f/1.6 at 1/30 sec) ¹ Night Mode: 0.06 lux (Mono, f/1.6 at 1/30 sec) ¹ Auto / One-shot AF / Manual / Fixed at infinity (for dome) Day Mode: 0.3 m – infinity (wide) / 1.0 m (3.3 ft) – infinity (telephoto) Night Mode: 0.5 m (1.6 ft) – infinity (wide) / 1.2 m (3.9 ft) – infinity (telephoto)
Focus Control	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60 (Standard), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec
Focusing Region	Auto / One-shot / Preset / Manual
Shutter Speed	Day Mode, Night Mode (Auto / Manual / Scheduled)
White Balance	3 options: Centre-weighted / Average / Spot Metering
Imaging Modes	7 levels
Optical Measurement System	7 levels
Backlight Compensation	Electronic (ON1 / ON2 / OFF)
Shade Correction	
Image Stabilizer	
SERVER UNIT	
Video Compression Method	H.264, JPEG
Video Output Size	JPEG: 160 x 120, 320 x 240, 640 x 480, 1280 x 960 H.264: 320 x 240, 640 x 480, 1280 x 960
Frame Rate	JPEG: 30 – 0.1 fps H.264: 30/15/10 fps ² JPEG: Max. 30 Clients + 1 Admin Client H.264: Max. 10 Clients
Simultaneous Distribution	Full-duplex
Audio Communication	G.711 µ-law (64Kbps)
Audio Compression Method	IPV4: TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (from Canon), ONVIF
Supported Protocols	IPV6: TCP/IP, UDP, HTTP, FTP, SMTP (Client), DNS (Client), ICMPv6, POP3, NTP, SMTP authentication, WV-HTTP (Canon), ONVIF
Camera Access Levels	3 user levels: Administrator / Authorized User / Guest User
Event Notification	HTTP/SMTP (e-mail)

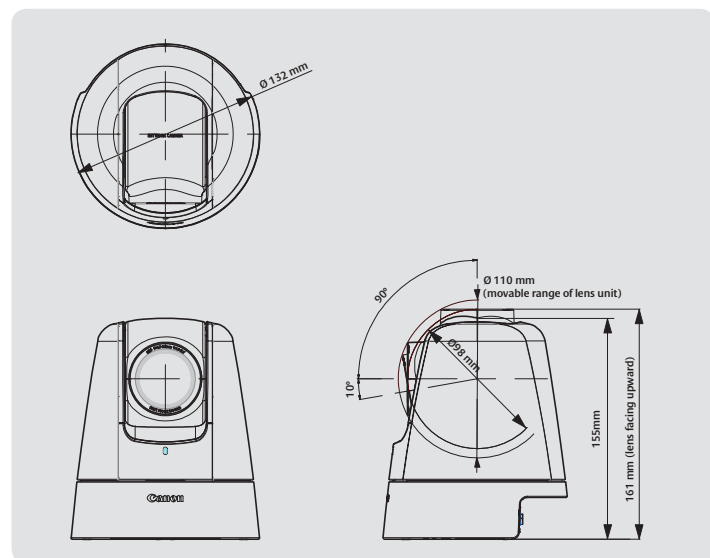
EMBEDDED ANALYTICS	
Video Content Analytics	Moving Object Detection, Removed Object Detection, Abandoned Object Detection and Camera Tampering Detection (Max of 15 detections per camera)
Audio	Volume Detection
CONNECTORS	
Network Interface	RJ-45, 100Base-TX (Auto / Full duplex / Half duplex)
Audio Input (Mic / Line In)	3.5mm mono mini-jack
Audio Output (Line Out)	3.5mm mono mini-jack
External Device I/O Terminals	2 x Inputs / 2 x Outputs
Memory Card	SD Memory Card, SDHC Memory Card Compatible. Max. 32 GB, Frame Rate: Max. 1fps
MECHANISMS	
Pan Angle Range	340° (±170°)
Tilt Angle Range	100° (Ceiling-mounted position: -90° – 10°)
Maximum Rotation Speed	Pan: Max. 150°/sec, Tilt: Max. 150°/sec
Infrared Cut Filter	Power-driven insertion and removal (Day / Night Modes)
Preset Positions	20 presets (Preset four capable)
RATINGS	
Dimensions (W x H x D)	132mm x 155mm x 132mm
Weight	1150 g
Power Sources	Power over Ethernet (48V DC, Conforms to IEEE 802.3af) 100V – 240V AC, 50/60Hz (via optional AC Adaptor) 12V DC or 24V AC (via supplied two-pin connector)
Power Consumption	PoE: Max. approx. 9.8 W / AC adapter PA-V17: Max. approx. 12.5 W
Operating Environment	Temperature: -10°C to +50°C, Humidity: 20% to 85% RH
WHAT'S IN THE BOX	
Canon Network Camera VB-M40 (Silver/Black), CD-ROM, Power Connector, Installation Guide, Warranty Card (European), Leaflet of Warranty Card.	

¹ Use of the optional smoked indoor dome housing increases minimum subject illumination.

² The frame rate may be reduced due to the number of clients accessing the camera at the same time or due to limitations of the Viewer PC and network being used.

All data is based on Canon's standard testing methods. This Leaflet and the specifications of the product have been developed prior to the date of product launch. Specifications are subject to change without notice.
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Dimensions



Connectivity



- 1 Network Interface** RJ45, 100Base-TX (Auto / Full-duplex / Half-duplex)
- 2 Power Connection Terminal** 12V DC / 24V AC
- 3 Audio Input** 3.5mm mono mini-jack
- 4 Audio Output** 3.5mm mono mini-jack
- 5 External Device I/O** 2 x Inputs / 2 x Outputs

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