Compact, lightweight and innovative PTZ camera with the ultra-low-light performance required in intelligence and evidence-gathering applications.

This lightweight 1.3MP PTZ camera boasts a large aperture Canon telephoto lens and a highly sensitive CMOS sensor that delivers exceptional detail in low-light conditions.

- Highly sensitive 1/3" 1.3MP CMOS sensor for exceptional low-light performance
- 5x optical wide aperture zoom lens with distortion-suppressing UD elements
- Unique Clear IR Mode and Motion-Adaptive Noise Reduction
- Enhanced Digital Zoom extends camera's zoom capabilities while maximising image quality
- 8 built-in analytics functions provide intelligent and efficient alarm detection
- Support for multiple web browsers and mobile devices
- Compact, lightweight PTZ design
- ONVIF® Profile S & G

Product Range
VB-R11
VB-H43
VB-M42
### Technical Specifications

#### CAMERA

- **Image Sensor**: 1/3 type CMOS (primary color filter)
- **Number of Effective Pixels**: Approx. 1.3 million pixels
- **Scanning Method**: Progressive
- **Lens**: 5x optical zoom (20x digital zoom) auto focus lens
- **Focal Length**: 17.7 (W) – 88.5 mm (T)
- **F-number**: F1.8 (W) – F2.4 (T)

#### Viewing Angle

- **For 16:9 aspect ratios**: Horizontal: 15.6° (W) – 3.2° (T)
- **For 4:3 aspect ratios**: Horizontal: 15.6° (W) – 2.4° (T)
- **Vertical**: 11.7° (W) – 2.4° (T)

#### Day/Night Switch

- **Auto/Day Mode/Night Mode**

#### Min. Subject Illumination

- **Day Mode (colour)**: 0.04 lux
- **Night Mode (monochrome)**: 0.002 lux
  - (F1.8, 1/30 sec., 550 lux, SO2R)

#### Focus

- **Auto/One-shot AF/Manual/Fixed at infinity**

#### Shooting Distance (from front of lens)

- **Day Mode**: 3.0 m (9.8 ft.) – infinity (W), 5.0 m (16.4 ft.) – infinity (T)
- **Night Mode**: 3.0 m (9.8 ft.) – infinity (W), 5.0 m (16.4 ft.) – infinity (T)

#### Shutter Speed

- **1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 sec.**

#### Exposure

- **Auto/Auto (Flickerless)/Auto (Shutter-priority AE)/Auto (Aperture-priority AE)**

#### White Balance

- **Auto/Light Source/Manual/White Balance/Flickerless/Warm White/Fluorescent/Mercury Lamp/Sodium Lamp/Halogen Lamp**
- **Manual**: One-shot WB/AWB/Gain

#### Metering Mode

- **Auto/One-shot/Personal/Average/Area/Audio Control

#### Exposure Compensation

- **9 levels**

#### Smart Shade Control

- **Auto/Manual/Disable**: Auto: 3 levels, Manual: 7 levels
  - Brightens shaded areas of a video

#### Haze Compensation

- **Auto/Manual/Disable**: Auto: 3 levels, Manual: 7 levels

#### AGC Limit

- **6 levels**

#### Image Stabilizer

- **2 levels (digital)**

#### Motion-Adaptive NR

- **Available**

#### Clear IR IR Mode

- **Available**

#### Pan Angle Range

- **348° (±174°)**

#### Tilt Angle Range

- **105° (ceiling-mounted position: -90° – +15°)**
  - When the horizontal direction of the camera is 0°

#### Moving Speed

- **Pan: Max. 300°/sec.**
- **Tilt: Max. 300°/sec.**

#### Audio

- **Microphone**: Built-in microphone w/o amplifier
- **Headphone**: 3.5 mm (Φ0.14 in.) mini-jack connector (monaural)

#### Network Terminal

- **LAN x 1 (RJ45), 10Base-TX (auto/full-duplex/duplex)**

#### Audio Input Terminal

- **Camera only**
- **LINE IN (connect to an amplifier microphone) or MIC IN (connect to a microphone w/o amplifier)**
- **LINE OUT (connect to an amplifier speaker)**

#### External Device I/O Terminal

- **Input x 2, Output x 2**

#### Memory Card

- **SD Memory Card, SDHC Memory Card, SDXC Memory Card Compatible**

#### Environment

- **Temperature**: 0°C – 50°C (+32°F – +122°F)**
- **Humidity**: 5% – 85% (without condensation)

#### Storage Environment

- **Temperature**: -30°C – +60°C (-22°F – +140°F)**
- **Humidity**: 5% – 90% (without condensation)

#### Power Supply Consumption

- **PoE: PoE power supply via LAN connector (IEEE802.3at Type compliant)**
- **AC Adapter**: PA-V18 (100 – 240 V AC) (sold separately)

#### Power Supply

- **AC Adapter**: PA-V18 (100 – 240 V AC)
  - **Max. approx. 11.2 W (100 V AC)**
  - **Max. approx. 21.3 W (240 V AC)**

#### Dimensions

- **(Φ x H) 129 x 157 mm (5.06 x 6.18 in.)**
  - Camera only

#### Weight

- **Approx. 1170 g (2.58 lb.)**
## Technical Specifications

### International Standard
- EN55032 Class B, FCC part15 subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS EN55032 Class B, CNS13438 Class B, EN55024, KN35, EN50150, IEC/UL/EN60950-1, EN50581

### APPLICATION
- **Viewer**
  - Camera Viewer
  - Mobile Camera Viewer
- **Camera software**
  - Camera Management Tool
  - Recorded Video Utility
- **Language**
  - German/English/Spanish/French/Italian/Polish/Russian/Turkish/Thai/
  - Korean/Chinese (Simplified)/Japanese

### Operating System/Compatible Browser
- Windows 7, Internet Explorer 11/Chrome 65
- Windows 8.1, Internet Explorer 11/Chrome 65
- Windows Server 2008, Internet Explorer 9
- Windows Server 2008 R2, Internet Explorer 11/Chrome 65
- Windows Server 2012, Internet Explorer 10/Chrome 65
- Windows Server 2012 R2, Internet Explorer 11/Chrome 65
- Windows Server 2016, Internet Explorer 11/Chrome 65

### Verified Mobile Devices
- Surface, iPad, iPhone, Nexus, Galaxy

### Dimensions

All dimension are in mm (in.)

### What’s in the box?
- VB-M50B Main Unit
- Power Connector(L-type)
- Power Connector(Straight)
- Before Using this Camera
- EAC-Supported Guide
- Installation Guide
- Warranty Card
- Packaging
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Sales Start Date: May 2016