you can
# Canon

# VB-C60
## NETWORK CAMERA

Whatever your
monitoring needs,
it's got them covered

The VB-C60 PTZ network camera boasts a
class-leading 40x zoom lens with Image
Stabilizer, great for long-range monitoring.
Intelligent features, Smart shade control,
full duplex audio and PoE make it ideal for
premium surveillance uses.

| 40x<br>Optical Zoom | 340° pan<br>115° tilt | Up to<br>30 frames/sec | Progressive Scan | Two-way<br>Audio | Power<br>over Ethernet | Smart<br>Shade Control |
|---|---|---|---|---|---|---|

## WHAT'S IN THE BOX
VB-C60 Main Unit, Power Connector, Rubber Feet x 4, Setup CD-ROM, Start Guide.

## KEY FEATURES

- Canon PTZ mechanism with 40x optical zoom, Auto Focus and Image Stabilizer
- Distribution of Motion JPEG and MPEG4 video at up to 640 x 480 pixels
- Progressive scan CCD captures clear moving subjects at up to 30 fps
- Exceptional low-light performance: colour images as low as 0.7 lux with Auto Day/Night switching
- Supports Power over Ethernet (PoE) for easy, cost-effective installation
- Full-duplex audio: transmit live audio to and from the camera site
- Built-in terminals for connection of external devices
- Optional smoked and clear domes for discreet monitoring
- Bundled 'VK-Lite' software enables recording/playback from up to four cameras
- Diverse image processing and camera functions for high quality images
- Powerful network data transmission for smooth video
- Secure Access control
- Intelligent functions for efficient surveillance such as motion detection, image upload and subject auto tracking

### DIMENSIONS (W x H x D)
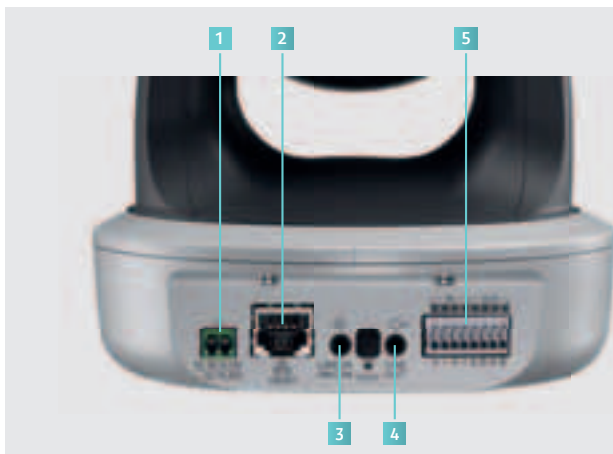142 x 149 x 142 mm

### WEIGHT
840 g

NETWORK
CAMERA

# VB-C60
## NETWORK CAMERA

## Specifications

| IMAGE SENSOR | |
|---|---|
| Type | ¼ inch CCD with primary colour filter |
| Number of Pixels | 310,000 effective |
| Scanning System | Progressive |

| OPTICS | |
|---|---|
| Zoom Magnification & Control | 40x powered zoom lens with Auto Focus |
| Focal Length | 3.4mm (wide) – 136.0mm (telephoto) |
| Horizontal Field of View | 55.8º (wide) - 1.5º (telephoto) |
| Lens F-Number | f/1.6 – f/5.6 |
| Minimum Subject Illumination | Day Mode: 0.7 lux (Colour, f/1.6 at 1/30 sec)* Night Mode: 0.2 lux (Mono, f/1.6 at 1/30 sec)* |
| Focus Control | Auto / One-Shot AF / Manual / Fixed at infinity (for dome) |
| Focusing Region | Day Mode: 0.3m – infinity / Night Mode: 0.5m - infinity |
| Shutter Speed | 1/1 - 1/8000 sec |
| White Balance | Auto / One-Shot / Preset / Manual |
| Imaging Modes | Day Mode, Night Mode (Auto / Manual / Scheduled) |
| Optical Measurement System | 3 options: Centre-Weighted / Average / Spot Metering |
| Backlight Compensation | 7 levels |
| Shade Correction | 7 levels |
| Image Stabilizer | Electronic (ON1 / ON2 / OFF) |

| SERVER UNIT | |
|---|---|
| Video Compression Method | JPEG (still images), Motion-JPEG (video), MPEG4 |
| Video Output Size | MJPEG: 640 x 480 / 320 x 240 / 160 x 120 (multicast) MPEG4: 640 x 480 / 320 x 240 (fixed size) |
| Frame Rate | MJPEG: 0.1 fps - 30 fps (max) MPEG4: 10 / 15 / 30 fps (max) |
| Simultaneous Distribution | MJPEG: 30 clients max / MPEG4: 10 clients max |
| Audio Compression Method | G.711 µ-law (64Kbps), Full duplex |

| | |
|---|---|
| Supported Protocols | IPv4 and IPv6: TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (client), DHCP (IPv4 only), DNS (client), ARP, ICMP, POP3, NDP (IPv6 only), NTP, SMTP authentication, WV-HTTP (Canon) |
| Camera Access Levels | Administrator, Authorised User, Anonymous |
| Motion Detection | Max 4 detection areas |
| Memory Buffer | Max 6MB for JPEG image upload via FTP/HTTP/SMTP |
| Event Notification | HTTP/SMTP |

| 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 |

| MECHANISMS | |
|---|---|
| Pan Angle Range | 340º (-170º to +170º) |
| Tilt Angle Range | 115º (Upright: -25º to +90º / Ceiling: -90º to +25º) |
| Maximum Rotation Speed | Pan: 150º per sec / Tilt: 150º per sec |
| Infrared Cut Filter | Power-driven insertion and removal (Day / Night Modes) |
| Preset Positions | 20 presets (Pan, Tilt, Zoom) |

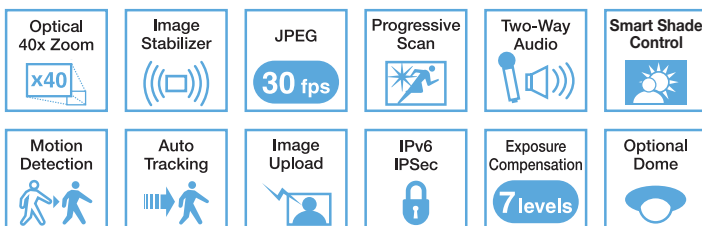| RATINGS | |
|---|---|
| Dimensions (W x H X D) | 142mm x 149mm x 142mm |
| Weight | 840g |
| Power Sources | Power over Ethernet (48V DC, Conforms to IEEE 802.3af) 100V – 240V AC, 50/60Hz (via optional AC Adaptor) 12V DC or 24V AC (via supplied two-pin connector) |
| Power Consumption | 10W Max (on PoE) / 13W Max (on AC Adaptor) |
| Operating Environment | Temperature: -10ºC to +50ºC, Humidity: 20% to 85% RH |

* Use of the optional smoked dome housing increases minimum subject illumination to 1.4 lux in Day Mode and 0.4 lux in Night mode

## Connectivity



1. **Molex 2-pin Connector** 12V – 13V DC / 24V AC
2. **Network Interface** RJ-45, 100Base-TX (Auto / Full duplex / Half duplex)
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

| Optical 40x Zoom (x40) | Image Stabilizer | JPEG (30 fps) | Progressive Scan | Two-Way Audio | Smart Shade Control |
|---|---|---|---|---|---|
| Motion Detection | Auto Tracking | Image Upload | IPv6 IPSec | Exposure Compensation (7 levels) | Optional Dome |

### OPTIONS

| Accessories | Mercury Code | EAN Code |
|---|---|---|
| AC Mains Power Adapter PA-V17 (E) | 2245B002AA | 4960999480190 |
| AC Mains Power Adapter PA-V17 (B) | 2245B003AA | 4960999480206 |
| Indoor Dome Housing (Smoked) VB-RD51S-S | 2823B001AA | 4960999575926 |
| Indoor Dome Housing (Clear) VB-RD51S-C | 2823B002AA | 4960999575933 |
| Ceiling Mount Cover (Silver) SS60-S-VB | 3121B001AA | 4960999617190 |
| Ceiling Mount Cover (Black) SS60-B-VB | 3121B002AA | 4960999617206 |
| Network Video Recorder VK-64 V2.0 | 3099B001AA | 4960999614205 |
| Network Video Recorder VK-16 V2.0 | 3099B002AA | 4960999614168 |