The VB-H45 Full HD PTZ IP security camera combines a powerful 400x zoom, low-light capability and fast auto-focus. Flexible installation options for indoor use.

- Full HD PTZ IP security camera
- Powerful 20x optical zoom lens with 40x digital zoom and fast autofocus
- Superior image quality using Canon DIGIC DV III processor
- Canon DIGIC NET II supports dual H.264 video streams (up to 30 fps)
- Superior low-light performance: colour at 0.05 lux and mono at 0.003 lux
- Auto Smart Shade Control (Auto-SSC) improves foreground objects in bright backlit scenes
- Motion Adaptive Noise Reduction and Area-Specific Data Size Reduction (ADSR) help reduce data size while optimising image quality
- Built-in analytics functions for intelligent and efficient alarm detection
- Live monitoring and configuration on supported web browsers and mobile devices
- ONVIF® Profile S compliant
- Two colour options: Silver (VB-H45) and Black (VB-H45B)
Technical Specifications

**Camera**

- **Image Sensor**: 1/3-type CMOS (primary colour filter)
- **Number of Effective Pixels**: Approx. 2.1 million pixels
- **Scanning Method**: Progressive
- **Lens**: 20x optical (20x digital zoom) lens with auto focus
- **Focal Length**: 4.7 (W) – 94 mm (T) (W: maximum wide angle, T: maximum telephoto)
- **F-number**: F1.8 (W) – F3.5 (T)
- **Viewing Angle**: For 16:9 aspect ratios: Horizontal: 60.4° (W) – 3.2° (T)
  
  Vertical: 35.1° (W) – 1.8° (T)
  
  For 4:3 aspect ratios: Horizontal: 46.3° (W) – 2.4° (T)
  
  Vertical: 31.5° (W) – 1.8° (T)
- **Pan / Day Mode / Night Mode**: Max. 150°/sec.
- **Tilt Angle Range**: Max. 150°/sec.
- **View Restriction**: Available
- **Power Supply**: PoE power supply via LAN connector (IEEE802.3at Type1)
- **Max. Number of Clients**: Max. 30 Clients + 1 Admin Client
- **Approx. Weight**: 1140 g (2.52 lb.)
- **Operating Environment**: Temperature: -10°C – +50°C (+14°F – +122°F)
  
  Humidity: 5% – 85% (without condensation)
- **Max. Frame Rate**: 20 fps (all sizes)
- **I-Frame Interval**: Values represent streaming performance from the camera.
- **I-Frame Control**: 0.5/1/2/3.5/4.5/5 sec.
- **Max. Simultaneous Access**: 30 clients + 1 Admin Client
- **Max. Number of Specified Max. 8 areas
  
  Number of Specified Max. 8 areas
  
  Data Size Reduction Level: 3 levels
- **Encrypted Connections**: SSL / TLS / IPSec (Auto Key Exchange/Manual)
- **IEEE 802.1X**: EAP-FAST, EAP-TTLS, EAP-PEAP
- **Protocol**: IPv4, IPv6, TCP/UDP, DHCP/BOOTP/RARP, DNS
  
  HTTP/HTTPS
  
  HTTP/HTTPS
  
  FTP
  
  SSL/TLS / IPSec
  
  ONVIF-WS / HTTP
  
  (Canon proprietary)
- **Audio Compression Method**: G.711, Progression-Audio

**Audio Communication Method**
- **Full-duplex (two-way) / Half-duplex RTP, Instant Playback Protocol by Canon**

**Audio File Playback**
- **Available (files can be played back when an event is triggered by the intelligent function or external device input.)**

**Privacy Mask**
- **Number of registration**: Max. 8 places, Number of mask colours: 1 – 16 (from 0 colours)
- **View Restriction**: Available
- **Number of Registers**: Max. 64 positions (*Home Position)
- **Number of Preset Tour Route**: Max. 5

**Intelligent Function**
- **Video**: Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection, Passing Detection, Intrusion Detection
- **Detection Settings**: Max. 15
- **Non-detection Area Settings**: Available
- **Audio**: Volume Detection, Screen Detection

**Event Trigger Type**
- **External Event Input, Intelligent Function (Video), Intelligent Function (Audio), Timer, Day/Night Mode Switching**

**Image Upload**
- **FTP / HTTP / SMTP (e-mail)**

**Event Notification**
- **Enhanced Digital Alarm**: Available
- **On-Screen Display**: Available

**Daylight Saving Time**: Available

**APPLICATION**
- **Server Unit**: 
  
  - Camera Viewer
  
  - Mobile Camera Viewer

**Included Software**
- **Camera Management Tool**

**H.264**: Recorded Video Utility
- **On-Screen Display Assist Tool**

**Language**
- **German/English/Spanish/French/Italian/Polish/Russian/Turkish/Thailand/Korean (Simplified) / Japanese**

**Interface**
- **IP**: IPv4, IPv6, TCP/IP, UDP, HTTP, FTP, SMTP, SNMPv1/v2c/v3 (MIB2), DHCP, DNS, AutoIP
  
  - DNS, AutoIP, mDNS, ARP, ICMP, POP3, NTP, SMTP, RTP/RTCP, RTSP
  
  - Toxic/12288/14336/16384 kbps
  
  - When streaming H.264 (1) (1280 x 720) and H.264 (2) (1280 x 720) simultaneously: 15 fps
  
  - When streaming H.264 (1) (1280 x 960) and H.264 (2) (1280 x 960) simultaneously: 15 fps
  
  - When streaming H.264 (1) (all sizes) and H.264 (2) (1920 x 1080) simultaneously: 15 fps
  
  - When streaming H.264 (1) (1920 x 1080) and H.264 (2) (all sizes) simultaneously: 15 fps

**Power Supply**
- **External Power Source**: 24 V AC/12 V DC (PoE)

**Dimensions**
- **(W) x (H) x (D) mm**: 114 x 155 x 41 mm (4.5 x 6.1 x 1.6 in.)
  
  - Including cable terminals, excluding a standard-brackets, excluding Ceiling Bracket

All data is based on Canon standard testing methods except where indicated.

- Subject to change without notice.

- *All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.*

---

**Technical Specifications**

- **Camera**: Canon
- **Model**: VB-H45/B
- **English edition**: Canon Europe
- **Copyright**: © Canon Europa N.V., 2017
Keep every angle covered

The VB-H45 Full HD PTZ IP security camera combines a powerful 400x zoom, low-light capability and fast auto-focus. Flexible installation options for indoor use.

Sales Start Date: Q1, 2018

### Product Details:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Mercury Code</th>
<th>EAN Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Camera VB-H45</td>
<td>2541C001AA</td>
<td>4549292106886</td>
</tr>
<tr>
<td>Network Camera VB-H45B</td>
<td>2541C002AA</td>
<td>4549292106896</td>
</tr>
</tbody>
</table>

### Optional Accessories:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Mercury Code</th>
<th>EAN Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Adapter PA-V18 (E)</td>
<td>8362B002AA</td>
<td>4960999986791</td>
</tr>
<tr>
<td>Indoor Dome Housing (DR41-C-VB)</td>
<td>6816B001AA</td>
<td>4960999914558</td>
</tr>
<tr>
<td>Indoor Dome Housing (DR41-S-VB)</td>
<td>6816B003AA</td>
<td>4960999914565</td>
</tr>
<tr>
<td>Ceiling Mount Cover (SS40-S-VB)</td>
<td>4962B001AA</td>
<td>4960999686721</td>
</tr>
<tr>
<td>Ceiling Mount Cover (SS40-B-VB)</td>
<td>4962B002AA</td>
<td>4960999688794</td>
</tr>
<tr>
<td>Pendant Mounting Kit (PC600-VB)</td>
<td>9918B001AA</td>
<td>4549292022551</td>
</tr>
</tbody>
</table>

### Measurement / Logistic Information:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Mercury code</th>
<th>Pack type</th>
<th>Pack description</th>
<th>Quantity per pack</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Net Weight (Kg)</th>
<th>Gross Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Camera VB-H45</td>
<td>2541C001AA</td>
<td>EA</td>
<td>Each</td>
<td>1</td>
<td>229</td>
<td>187</td>
<td>290</td>
<td>Approx. 1.1</td>
<td>Approx. 1.6</td>
</tr>
<tr>
<td>Network Camera VB-H45B</td>
<td>2541C002AA</td>
<td>CT</td>
<td>Carton</td>
<td>4</td>
<td>438</td>
<td>392</td>
<td>264</td>
<td>Approx. 4.6</td>
<td>Approx. 7.4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EP</td>
<td>Euro Pallet</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

### What's in the box?

- VB-H45 Main Unit
- Power Connector
- Installation Guide
- Warranty Card
- Before Using this Camera
- EAC-Supported Guide