**VB-H45/B**

*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.

- Full HD PTZ IP security camera
- Powerful 20x optical zoom lens with 20x 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 zoom (20x digital zoom) lens with auto focus
Focal Length 4.7mm (W) – 94mm (T)
F-number F1.6 (W) – F3.5 (T)
Viewing Angle For 16:9 aspect ratios: Horizontal 60.4° (W) – 3.2° (T)
For 4:3 aspect ratios: Horizontal 46.3° (W) – 2.4° (T)
Day / Night Switch Auto / Day Mode / Night Mode
Min. Subject Illumination Day Mode (colour) 0.05 lux (F1.6, shutter speed 1/30 sec., when smart shade control is off, 50IRE)
Night Mode (monochrome) 0.003 lux (F1.6, shutter speed 1/30 sec., when smart shade control is off, 50IRE)
Focus Auto / One-shot AF / Manual / Fixed at infinity
Shooting Distance Day Mode: 0.2m (12 in.) – infinity (W), 1.0m (3.3ft) – infinity (T)
Night Mode: 1.0m (3.3ft) – infinity (W), 1.5m (4.9ft) – infinity (T)
Shutter Speed 1/1,250, 1/60, 1/25, 1/12, 1/6, 1/3, 1/2, 1/1, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000, 1/16000 sec.
Exposure Auto / Auto (Fixed Shutter) / Auto (Aperture-priority AE) / Auto (Shutter-priority AE) / Manual / Aperture Priority / Manual / Aperture-Priority AE / Manual
White Balance Auto / Auto (User settable) / Daylight Fluorescent / Warm Fluorescent / Daylight / Cloudy / Shade / Fluorescent / Sunlight / Incandescent / Fluorescent
Metering Modes Center-Weighted / Average / Spot
Smart Shade Control Auto / Manual / Disable
Haze Compensation Auto / Manual / Disable
AGC Limit 6 levels
Image Stabilizer 9 levels
Pan Angle Range 360° (105°)
Tilt Angle Range 100° (ceiling-mounted position: -90° – +10°)
Moving Speed Pan: Max. 150°/sec., Tilt: Max. 150°/sec.
Video Compression Method JPEG, H.264
Video Size H.264: 1920 x 1080, 1280 x 720, 640 x 480, 320 x 240
Video Quality H.264: 10 levels
Frame Rate When [Enable] is selected for [Dome]:
– Max. 15 fps (JPEG)
– Max. 15 fps (H.264)
Max. Frame Rate When streaming [H.264] (1920 x 1080): 25 fps
I-Frame Interval 0.5/1/2/3/4/5/6/7/8/9/10/11/12/13/14/15/30/60 sec/
Simultaneous Client Access Max. 30 clients + 1 Admin Client
Bit Rate Control Target Bit Rate 64/128/256/384/512/768/1024/1536/2048/2560/3840/5120/6400/8192/9600/12800/19200/24000/32000/48000/64000/81920/96192/128000/192000/240000/320000/480000/640000/819200/1024000 kbps
ASDR: Area-specific Data Size Reduction Number of Specified Areas Max. 8 areas
Size Data Size Reduction Level 3 levels
Encrypted Communications SSL / TLS / IPSec (Auto/Manual)
IEEE 802.1X EAP-Methods: EAP-TLS, EAP-PEAP
Protocol IPv6, IPv4, TCP/UDP, HTTP, FTP, SMTP/POP3/IMAP, SNMP/v2/v3 (MD5, SHA1), DNS, AutoIP, NTP, NTPv4, ICMP, ICMPv6, RTCP, RTP, RTSP, SSL / TLS / IPSec, ONVIF, WV-HTTP (Canon proprietary)
ONVIF Profile Profile-5
Audio Compression Method G.711 (G.722)

Connectivity

Network Interface RJ45, 10Base-TX (Auto / Full-duplex / Half-duplex)
Power Connection Terminal 24V DC / 24V AC
Audio Input 3.5 mm mono mini-jack
Audio Output 3.5 mm mono mini-jack
External Device I/O 2 X Inputs / 2 X Outputs
Memory Card Slot SD, SDHC and SDXC Memory Card compatible

Dimensions

All dimension are in mm (in.)

Technical Specifications

Audio Communication Method Full-duplex (two-way) / Half-duplex
Audio File Playback Available (audio files can be played back when an event is triggered by the intelligent function or external device input.)
Privacy Mask Number of registration: Max. 9 places, Number of mask colours: 1 (select from 9 colours)
View Restriction Available
Pre-set Number of registrars: Max. 64 positions (*Home Position)
Number of Pre-set Tour Route: Max. 5
Intelligent Function Videos: Moving Object Detection, Abandoned Object Detection, Removing Object Detection, Camera Tampering Detection, Passing Detection, Intrusion Detection
Detection Settings: Max. 15
Non-detection Area Settings: Available
Audio Volume Detection, Screem Detection
Event Trigger Type External Device Input, Intelligent Function (Videos), Intelligent Function (Audio), Timer, Day/Night Mode Switching
SSL / TLS, IPsec (Auto Key Exchange/Manual)
Number of Linked Events 2
Linked Event Conditions: OR, AND (whether or not there is a response to events)
Image Upload FTP / SMTP / SFTP (e-mail)
Event Notification HTTP / SMTP (e-mail)
Enhanced Digital Zoom Available
On-Screen Display Available (English only)
The following languages require the use of the On-Screen Display Assist Tool:
German/Spanish/French/Italian/Polish/Russian/Turkish/Korean/Chinese (Simplified)/Japanese
Daylight Saving Time Available
APPLICATION Camera Viewer Mobile Camera Viewer Camera Management Tool Recorded Video Utility On-Screen Display Assist Tool
Language German/English/Spanish/French/Italian/Polish/Russian/Turkish/Korean/Chinese (Simplified)/Japanese
INTERFACE Network Terminal LAN x 2 (RJ45, 100Base-TX / 100BASE-TX / full-duplex / half-duplex)
Audio Input Terminal 0.5 Ω (0.14 in.) mini-jack connector (monaural)
COMMON FOR LIN E / MIC IN 100 Ω (0.14 in.) mini-jack connector (monaural) – Switch LINE IN/MIC IN in the Setting Page
Audio Output Terminal (LINE OUT) 0.5 Ω (0.14 in.) mini-jack connector (monaural)
External Device I/O Terminal Input x 2, Output x 2
Memory Card Slot SD Memory Card, SDHC Memory Card, MMC Memory Card Compatible
Frame Rate: Max. 1 fps (JPEG)
Max. 30 fps (H.264)
Power Supply Class 0 power sourcing equipment (requests 15.4 W)
AC Adapter: PA-V18 (100 – 240 V AC) (sold separately)
Power Consumption When using PoE: Max. approx. 9.9 W
When using AC Adapter: PA-V18: Max. approx. 9.9 W (100 V AC)
When using DC: Max. approx. 9.4 W (240 V AC)
When using AC: Max. approx. 8.8 W
Dimensions 90 x 155 x 112.5 mm (3.5 x 6 x 4.4 in.)
Weight Approx. 1140 g (2.52 lb.)
International Standard EN55022 Class B, FCC part15 subpart B Class B, ICES-003 Class B, VCCI Class B, CEMAS A5, ITIEN 55022 Class B, CNS14548 Class B, KNS2 Class B, EN 55024, KNS5, EN550581

All data is based on Canon standard testing methods except where indicated.
Subject to change without notice.
* 1: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries.
* 2: Available (English only)
The following languages require the use of the On-Screen Display Assist Tool:
German/Spanish/French/Italian/Polish/Russian/Turkish/Korean/Chinese (Simplified)/Japanese

Dimensions

All dimension are in mm (in.)

Canon Europe

© Canon Europa N.V. 2018
• 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

<table>
<thead>
<tr>
<th>Product Details:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
</tr>
<tr>
<td>Network Camera VB-H45</td>
</tr>
<tr>
<td>Network Camera VB-H45B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional Accessories:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
</tr>
<tr>
<td>AC Adapter PA-V18 (E)</td>
</tr>
<tr>
<td>Indoor Dome Housing (DR41-C-VB)</td>
</tr>
<tr>
<td>Indoor Dome Housing (DR41-S-VB)</td>
</tr>
<tr>
<td>Ceiling Mount Cover (SS40-S-VB)</td>
</tr>
<tr>
<td>Ceiling Mount Cover (SS40-B-VB)</td>
</tr>
<tr>
<td>Pendant Mounting Kit (PC600-VB)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measurement / Logistic Information:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
</tr>
<tr>
<td>Network Camera VB-H45</td>
</tr>
<tr>
<td>Network Camera VB-H45B</td>
</tr>
<tr>
<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