VB-S30D Mk II

Comprehensively protect your environment with a Canon PTZ minidome network camera.

The easy-to-install Full HD PTZ Minidome network security camera with ultra-compact zoom lens technology. Ideal for indoor security and monitoring in businesses and venues.

• Discrete ultra-compact PTZ Minidome design
• Full HD at 30fps for detailed images
• CMOS sensor delivers high performance in low light
• 3.5x optical zoom (4x digital zoom) with 77.7° wide Angle of View
• Pan, Tilt, Zoom (PTZ) capability to programmed preset positions
• Multi-streaming of MJPEG and H.264 video in Full HD or lower resolutions
• Direct recording / playback from microSD card (64GB)
• Auto Smart Shade Control (Auto-SSC) applies the ideal exposure for every environment
• 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
• Compact size: just 120mm in diameter and 54mm in height
Technical Specifications

VB-S30D Mk II

Number of Effective Pixels
Approx. 2.1 million pixels

Scanning Method
Progressive

Lens
3.5x optical (4x digital zoom) zoom lens with auto focus

Focal Length
2.25 (W) – 7.44 mm (T) (When mounted on the ceiling: equivalent to 120°–350° (±175°) for horizontal angle of view and 40.4° (W) – 116.1° (T) for vertical angle of view)

F-number
F1.4 (W) – F2.6 (T)

Viewing Angle
For 16:9 aspect ratios: Horizontal: 77.7° (W) – 20.3° (T) Vertical: 40.4° (W) – 116.1° (T)

For 4:3 aspect ratios: Horizontal: 55.3° (W) – 15.1° (T) Vertical: 40.4° (W) – 116.1° (T)

Day / Night Switch
Auto / Day Mode / Night Mode

Min. Subject Illumination
Day Mode (colour): 0.5 lx (F1.4 shutter speed: 1/30 sec., SSC off, SOIRE) Night Mode (monochrome): 0.05 lx (F1.4 shutter speed: 1/30 sec., SSC off, SOIRE)

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

Shooting Distance
0.3 m (12 in.) – infinity

Shutter Speed
1/2, 1/4, 1/10, 1/20, 1/40, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec.

Exposure
Auto / Auto (Flickerless) / Auto (Flickerless2) / Auto (Shutter-priority AE) / Manual

White Balance
Auto / Manual / Daylight Fluorescent / White Fluorescent / Warm Fluorescent / Mercury Lamp / Sodium Lamp / Halogen Lamp

Metering mode
Center-Weighted / Average / Spot

Exposure Compensation
9 levels

Haze Compensation
Auto / Manual / Disable

AGC Limit
6 levels

Motion-Adaptive NR (Noise Reduction)
Available

Pan Angle Range
350° (±175°)

Tilt Angle Range
90° (ceiling-mounted position: -90° – 0°)

Moving Speed
Pan: Max. 120°/sec., Tilt: Max. 120°/sec.

Video Compression Method
JPEG, H.264

Video Size
JPEG, H.264: 1920 x 1080, 960 x 540, 480 x 270 1280 x 720, 640 x 360, 320 x 180 1920 x 1080, 960 x 540, 480 x 270, 320 x 240

Video Quality
JPEG, H.264: 10 levels

Frame Rate
When streaming JPEG, H.264 (1920 x 1080): 30 fps

When streaming H.264(1) (1920 x 1080) and H.264(2) (1920 x 1080) simultaneously: 15 fps

When streaming H.264(1) (1280 x 720) and H.264(2) (1920 x 1080) simultaneously: 10 fps

I-Frame Interval
0.5/1.5/2.5/4.5 sec.

Simultaneous Client Access
Max. 30 Clients + 1 Admin Client

Memory Card
MicroSD Memory Card, microSDHC Memory Card, microSDXC Memory Card

Audio Compression Method
Microsoft or ITU-128 4:4:4 10-bit

Audio Input Terminal
LINE IN (connect to a microphone w/o amplifier) or MIC IN (connect to a microphone w/o amplifier)

Audio Output Terminal
Stereo 10-bit (7-bit audio quality) audio output

On-Screen Display
Available (English)

Event Trigger Type
External Event Input (Smart Shade Control), Smart Shade Control

Event Notification
HTTP / SMTP (e-mail)

Data Size Reduction Level
3 levels

Number of Specified Areas
Max. 8 areas

Bit Rate Control
Target Bit Rate: 64/128/256/512/1024/2048/3072/4096/8192/16384 kbps

Adaptor Area-Specific Data Size Reduction
Number of Specified Areas: Max. 8 areas

Encrypted Communications
SSL / TLS / IPSec (Auto Key Exchange / Manual)

IEEE 802.1X
EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP

Protocol
IPV4, IPV6, TCP/UDP, HTTP, FTP, SNMPv3/u2/u3 (MD2), DHCP, DNS, AutoIP, mDNS, ARP, ICMP, POP3, NT/3, SHTTP, RTD/RTC, RTP, SSL/TLS, IPSec, ONVIF, WV-HT (Canon proprietary)

ONVIF Profile
Profile S

Privacy Mask
Number of registration: Max. 8 places, Number of mask colours: 1 (select from 9 colours)

View Restriction
Available

Presets
Number of registers: Max. 64 positions (Home Position)

Intelligent Function
Video: Moving Object Detection, Abandoned Object Detection, Retracted Object Detection, Camera Tampering Detection, Passing Detection, Intrusion Detection

Detection Settings:
Max. 15

Non-detection Area Settings:
Available

Audio
Volume Detection, Screen Detection

On-Screen Display Assist Tool
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
Viewer
Camera Viewer
Mobile Camera Viewer

Camera software
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 1 (RJ45, 100Base-TX / auto / full-duplex / half-duplex)

Audio Input Terminal
(common for LINE IN & MIC IN)

LINE IN (connect to an amplifier microphone) or MIC IN (connect to a microphone w/o amplifier) – Switch LINE IN/MIC IN in the Setting Page.

External Device I/O Terminal
Input x 1, Output x 1

Memory Card
microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card

Frame Rate:
Max. 1 fps (JPEG)

Max. 30 fps (H.264)

Power Supply
PoE: PoE power supply via LAN connector (IEEE802.3at Type 1)

Power Consumption
Max. 7.8 W

Dimensions
(Φ x H) 120 x 54 mm (4.72 x 2.13 in.)

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.

All dimension are in mm (in.)

Dimensions

 Held weight
3.5 kg

Approx. 270 g (9.6 oz.)

120 (4.72)

R23 (R0.91)

53.5 (2.11)

50.0 (1.97)

9.5 (0.37)

43.2 (1.70)

11.0 (0.43)

4.4 (0.17)

4.72 x 2.13 in.)

Subject to change without notice.

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Sales Start Date: Q1, 2018

Product Details:

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What’s in the box?

- VB-S30D Mk II Main Unit
- Installation guide & template
- Safety wire & screw
- Warranty Card
- Before Using this Camera
- EAC-Supported Guide