VB-S805D Mk II

Smart, HD Fixed Minidome camera in an ultra-compact body.

The Fixed Minidome is a HD network security camera with ultra-compact lens technology. Ideal for indoor security in retail, education and business environments.

- HD at 30fps for clear, detailed images
- CMOS sensor delivers high performance in low light
- Wide angle F/1.6 Canon lens offers a 95,0° Angle of View
- Multi-streaming of MJPEG and H.264 video in HD or lower resolutions
- Direct recording / playback from microSD card (64GB)
- Auto Smart Shade Control (Auto-SSC) applies the optimum 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

CAMERA

Image Sensor	1/3 type CMOS (primary colour filter)

Number of Effective Pixels	Approx. 1.3 million pixels

Scanning Method	Progressive

Lens	Fixed focal length lens (4x digital zoom)

Focal Length	2.7 mm

F-number	F1.6

Viewing Angle	For 16:9 aspect ratios: Horizontal: 98.0° Vertical: 60.5°

For 4:3 aspect ratios: Horizontal: 77.0° Vertical: 60.5°

Day / Night Switch	Auto / Day Mode / Night Mode

Min. Subject Illumination	Day Mode (colour): 0.45 lux (F1.8, shutter speed 1/30 sec., S/N off, 50IRE) Night Mode (monochrome): 0.25 lux (F1.8, shutter speed 1/30 sec., S/N off, 50IRE)

Shooting Distance (front of lens)	0.5 m (1.6 ft.) – infinity

Shutter Speed	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000, 1/16000 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

Manual: One-shot WB / R Gain / B Gain

Metering Mode	Center Weighted / Average / Spot

Exposure Compensation	9 levels

Smart Shade Control	Auto / Manual / Disable

Auto: 3 levels

Manual: 7 levels

Haze Compensation	Auto / Manual / Disable

Auto: 3 levels

Manual: 7 levels

AGC Limit	6 levels

Motion-Adaptive NR (Noise Reduction)	Available

Pan Angle Range	350° (+175°)

Tilt Angle Range	90° (ceiling-mounted position: -90° – 0°) – When the horizontal direction of the camera is 0°

Rotation Angle Range	180° (0° to 90°)

SERVER

Video Compression Method	JPG, H.264

Video Size	JPG, H.264: 1280 x 720, 640 x 360, 320 x 180

1280 x 960, 640 x 480, 320 x 240

Video Quality	JPG, H.264: 10 levels

Frame Rate	JEPG: 0.1 – 30 fps

H.264: 12/25/50/60/10/15/30 fps

– Frames represent streaming performance from the camera.

– The frame rate may be reduced due to Viewer PC’s specs, the number of clients accessing at the same time, network loads, video quality setting, type or movement of the subject or other reasons.

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

When using the following combination:

When streaming in H.264: (1920 x 1080) and 25/30 fps (1032 x 667) simultaneously: 1 fps

When streaming in H.264: (1920 x 1080) and 25/25/30 fps (1280 x 720) simultaneously: 1 fps

When streaming in H.264: (1920 x 1080) and 25/30 fps (1280 x 720) simultaneously: 6 fps

When streaming in H.264: (1280 x 720) and 24/30 fps (960 x 680) simultaneously: 10 fps

I-Frame Interval	0.5/1/1.5/2/3/4.5 sec.

Simultaneous Client Access	Max. 30 Clients + 1 Admin Client

– H.264: Max. 10 Clients

Bit Rate Control	Target Bit Rate:

64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12800/15360/19200 kbps

ADS-R: Area-specific Data Size Reduction

Number of Specified Areas: Max. 8 areas

Data Size Reduction Level: 3 levels

Encrypted Communications	SSC / TLS, IPSec (Auto Key Exchange / Manual)

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

Protocol	IPV4, IPV6, TCP/IP, UDP, HTTP, FTP, SNMPv3/v2c/v1 (MIB2), DHCP, DNS, AutoIP, DNS, ARP, ICMP, FTP, RTP/AVP, RTSP, H.323, TLS, IPSec, DNSv6, DynDNS, WS-HTTP (Canon proprietary)

ONVIF Profile	Profile-S

Audio Compression Method	G.711 (e-law (64 kbps)

Audio Communication Method	Audio Reception Only

Privacy Mask	Number of registration: Max. 8 places. Number of mask colours: 1

Select from 9 colours)

Preset	Number of registers: Max. 20 positions (Home Position)

Number of Preset Tour Route: Max. 1

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, Screem Detection

Event Trigger Type	External Device input, Timer, Intelligent Function (Video), Intelligent Function (Volume)

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

Event Notification	HTTP / SMTP (e-mail)

Camera Angle Setting	Available

Image Cropping Function	Digital PTZ

Cropping sizes: 640 x 350 / 512 x 288 / 384 x 216 / 256 x 144 / 128 x 72

440 x 440 / 512 x 288 / 384 x 228 / 256 x 128 / 128 x 64

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

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 x 1 (RJ-45, 100BASE-TX auto / full-duplex / half-duplex)

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

Φ3.5 mm (BO.14 in.) mini jack connector (monaural)

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 Compatible

Frame Rate: Max. 1 fps (H.264)

Max. 30 fps (JPEG)

OTHER

Operating Environment	Temperature: -10°C – +50°C (+14°F – +122°F)

Humidity: 5% – 90% (without condensation)

Power Supply	PoE (PoE power supply via LAN connector (IEEE802.3at Type1 compliant)

Power Consumption	Max. 4.1 W

– Class 2 power-compling equipment (maximum 30 W)

Dimensions	(H x W x D) 54 x 32 x 114 mm (2.13 x 1.26 x 4.49 in.)

– excluding protrusions

Weight	Approx. 180 g (6.4 oz.)

International Standard	EN55032 Class B, FCC part15 subpart B Class B, ICES-003 Class B, VCCI Class B, BSMI AS/NZS EN55032 Class B, CNS13438 Class B, UL 2238 Class B, EN55024, KE24, EN50598

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

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-S805D Mk II Main Unit
- Installation guide & template
- Safety wire & screw
- Warranty Card
- Before Using this Camera
- EAC-Supported Guide