

VB-S900F Mk II



The smart and versatile Full HD Mini Fixed Box security camera.

A Full HD network Mini Fixed Box security camera with ultra-compact lens technology. Its compact design makes it ideal for a range of discrete indoor commercial environments.



- Outstandingly compact Mini Fixed Box design
- Full HD at 30fps for clear, detailed images
- CMOS sensor delivers high performance in low light
- Wide angle F/1.6 Canon lens offers a 96,0° Angle of View
- Multi-streaming of MJPEG and H.264 video in Full HD or lower resolutions
- Direct recording / playback from microSD card (64 GB)
- 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
- Ideal in a wide range of indoor commercial environments



Canon

VB-S900F Mk II

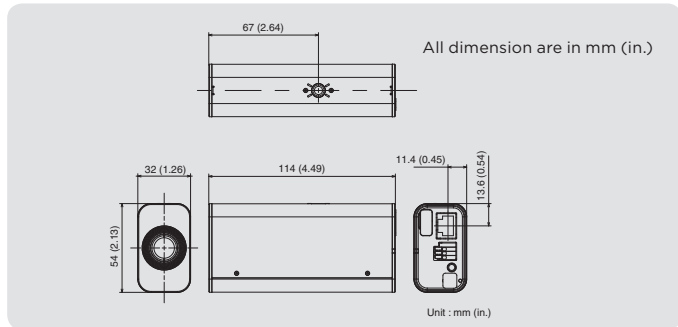
Technical Specifications

CAMERA	
Image Sensor	1/3 type CMOS (primary colour filter)
Number of Effective Pixels	Approx. 2.1 million pixels
Scanning Method	Progressive
Lens	Fixed focal length lens (4x digital zoom)
Focal Length	2.7 mm
F-number	F1.6
Viewing Angle	For 16:9 aspect ratios: Horizontal: 96.0° 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): 0.4 lux (F1.6, shutter speed 1/30 sec., SSC off, 50IRE) Night Mode (monochrome): 0.2 lux (F1.6, shutter speed 1/30 sec., SSC off, 50IRE)
Shooting Distance	0.5 m (1.6 ft.) - infinity
Shutter Speed	1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/50, 1/60, 1/100, 1/120, 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	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
SERVER	
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 1280 x 960, 640 x 480, 320 x 240
Video Quality	JPEG, H.264: 10 levels
Frame Rate	JPEG: 0.1 - 30 fps H.264: 1/2/3/5/6/10/15/30 fps - Values 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 JPEG, H.264 (1920 x 1080): 30 fps When used in the following combinations: When streaming H.264(1) (1920 x 1080) and H.264(2) (all sizes) 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) (1280 x 960) and H.264(2) (1280 x 960) simultaneously: 15 fps When streaming H.264(1) (1280 x 720) and H.264(2) (1280 x 720) simultaneously: 15 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: 64/128/256/384/512/768/1024/1536/2048/3072/4096/6144/8192/10240/12288/14336/16384 kbps
ADSR: Area-specific Data Size Reduction	Number of Specified Areas: Max. 8 areas Data Size Reduction Level: 3 levels
Encrypted Communications	SSL / 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, SNMPv1/v2c/v3 (MIB2), DHCP, DNS, AutoIP, mDNS, ARP, ICMP, POP3, NTP, SMTP, RTP/RTCP, RTSP, SSL/TLS, IPsec, ONVIF, WV-HTTP (Canon proprietary)
ONVIF Profile	Profile-S
Audio Compression Method	G.711 μ -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, Scream 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 360/512 x 288/384 x 216/256 x 144/128 x 72 640 x 480/512 x 384/384 x 288/256 x 192/128 x 96
On-Screen Display	Available
Daylight Saving Time	Available
APPLICATION	
Viewer	Camera Viewer Mobile Camera Viewer
Included Software	Camera Management Tool RM-Lite Recorded Video Utility On-Screen Display Assist Tool
Language	German/English/Spanish/French/Italian/Polish/Russian/ Turkish/Thai/Korean/Chinese (Simplified) /Japanese
INTERFACE	
Network Terminal	LAN x 1 (RJ45, 100Base-TX (auto) / full-duplex / half-duplex))
Audio Input Terminal (common for LINE IN & MIC IN)	Φ 3.5 mm (Φ 0.14 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 (JPEG) Max. 30 fps (H.264)
OTHER	
Operating Environment	Temperature: -10°C - +50°C (+14°F - +122°F) Humidity: 5 % - 85 % (without condensation)
Power Supply	PoE: PoE power supply via LAN cable (IEEE802.3af compliant)
Power Consumption	Max. 4.3 W - Class 2 power sourcing equipment (requests 7.0 W)
Dimensions	(H x W x D) 54 mm x 32 mm x 114 mm (2.13 in x 1.26 in x 4.49 in.) - excluding projections
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, RCM AS/NZS EN55032 Class B, CNS13438 Class B, KN22 Class B, EN55024, KN24, EN50581 ----- IEC/UL/EN60950-1

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



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Sales Start Date: Q1, 2018

Product Details:

Product Name	Mercury Code	EAN Code
Network Camera VB-S900F Mk II	2553C001AA	4549292106992

Measurement / Logistic Information:

Product Name	Mercury code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Net Weight (kg)	Gross Weight (kg)
Network Camera VB-S900F Mk II	2553C001AA	EA	Each	1	174	133	115	Approx. 0.2	Approx. 0.5
		CT	Carton	6	367	286	209	Approx. 1.1	Approx. 3.4
		EP	Euro Pallet	—	—	—	—	—	—

What's in the box?

- VB-S900F Mk II Main Unit
- Power Connector
- Instruction Guide
- Warranty Card
- Notice
- EAC-Supported Guide