VB-S905F

The smart and versatile HD Mini Fixed Box security camera.

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

- Outstandingly compact Mini Fixed Box design
- 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° Angle of View
- Multi-streaming of MJPEG and H.264 video in HD or lower resolutions
- Direct recording / playback from mMicroSD card (64GB)
- Comprehensive and intelligent in-built analytics
- Auto Smart Shade Control applies the optimum exposure for every environment
- Ideal in a wide range of indoor commercial environments

Product Range:
- VB-H730F
- VB-M720F
- VB-S900F
- VB-S905F
### 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: 96.0°, Vertical: 60.5°
  - For 4:3 aspect ratios: Horizontal: 78.0°, Vertical: 60.5°
- **Day / Night Switch:** Auto / Day Mode / Night Mode
- **Min. Subject Illumination:** Day Mode (colour): 0.4 lux (F16, shutter speed 1/30 sec., SSC off, 50IRE) Night Mode (monochrome): 0.2 lux (F16, shutter speed 1/30 sec., SSC off, 50IRE)
- **Shooting Distance:** 0.5 m (1.6 ft.) – infinity
- **Shutter Speed:** 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, 1/16000 sec.
- **Exposure:** Auto / Auto (Flickerless) / Auto (Shutter-priority AE) / Manual (Shutter Speed, Gain)
- **White Balance:** Auto / Light Source (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
- **Haz Compensation:** Auto / Manual / Disable
- **AGC Limit:** 5 levels

#### Server
- **Video Compression Method:** JPEG, H.264
- **Video Size:** JPEG, H.264: 1280 x 720, 640 x 360, 320 x 180, 1280 x 480, 320 x 240
- **Video Quality:** JPEG, H.264: 5 levels
- **Frame Rate:**
  - JPEG: 0.1 – 30 fps
  - H.264: 1/2/3/5/6/10/15/30 fps
  - When streaming JPEG, H.264 (1920 x 1080): 30 fps
- **Max. Frame Rate:**
  - When streaming JPEG, H.264 (1920 x 1080): 30 fps
  - 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
- **I-Frame Interval:** 0.5 / 1 / 2 / 3 / 4 / 5 sec.
- **Simultaneous Client Access:**
  - Max. 30 Clients + 1 Admin Client
  - Max. 10 Clients
- **Camera Control:** Administrator, Authorized user, Guest user (level of control varies depending on user)
- **Access Control:** User authority (user name and password), Host Access Restrictions (IPv4, IPv6)
- **Encrypted Communications:** SSL / TLS / IPsec (Auto Key Exchange / Manual)
- **IEEE 802.1X:** EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP
- **Protocol:** IPv4: TCP / IP, UDP, HTTP, FTP, SMTP / POP3 / IMAP, SNMPv1 / v2c / v3 (MIB2), SMPPT (Client), DHCP (Client), DNS (Client), mDNS, ARP / ICMP, P2P3, HTP, SMPPT-translation, RTSP, WTV-HTTP (Canon proprietary), ONVIF
  - IPv6: TCP / IP, UDP, HTTP, FTP, SMPPT (Client), DHCPv6 (Client), DNS (Client), mDNS, ICMPv6, P2P3, NTG, SMPPT-translation, RTSP, WTV-HTTP (Canon proprietary), ONVIF

### AutoIP
Available

### Audio Compression Method
Available

### Audio Communication Method
G.711 u-law (64 kbps)

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

### Preset
Max. 20 positions

### Intelligent Function
Video:
- Detection Types: Moving object detection, abandoned object detection, removed object detection, camera tampering detection, and passing detection
- Detection Settings: Max. 15 Volume
- Volume 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 PTV

### Network Terminal
LAN x 1 (RJ45, 100Base-TX)

### Admin Tools
Privacy Mask Setting Tool
Pre-Setting Setting Tool
Intelligent Function Setting Tool
Log Viewer
Recorded Video Utility
Digital Zoom Setting Tool
* Setting Paga Function

### Included Software
Camera Management Tool
RM-Lite
Proxy Authentication Admin Tools / Admin Viewer

### Language
- German
- English
- Spanish
- French
- Italian
- Russian
- Turkish
- Japanese

### Interface
- **Network Terminal:** LAN x 1 (RJ45, 100Base-TX (auto / full-duplex / half-duplex))
- **Audio Input Terminal (common for LINE IN & MIC IN):** Ω, 5 mm (0.14 in.) mini-jack connector (monaural)
- **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
- **Dimensions:** (W x H x D) 54 x 32 x 114 mm (2.13 x 1.26 x 4.49 in.)
- **Weight:** Approx. 180 g (6.4 oz.)

All data is based on Canon standard testing methods except where indicated. Subject to change without notice.

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