VB-S800D

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

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

- 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 95° Angle of View
- Multi-streaming of MJPEG and H.264 video in Full HD or lower resolutions
- Direct recording / playback from MicroSD card (64GB)
- Comprehensive and intelligent in-built analytics
- Auto Smart Shade Control applies the optimum exposure for every environment
- Compact size: just 120mm in diameter and 54mm in height

Product Range:

VB-M641V
VB-M640V
VB-H630D
VB-M620D
VB-S800D
VB-S805D

DiG!C NET II
DiG!C DV III
2.1 MEGA PIXELS
Digital Night Mode
Intelligent Function
AUTO SSC
Power Supply PoE
microSD
CCMT

Canon

Technical Specifications

VB-S800D

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: 95.0° Vertical: 60.0° For 4:3 aspect ratios: Horizontal: 76.0° Vertical: 60.0°
Day / Night Switch	Auto / Day Mode / Night Mode
Min. Subject Illumination	Day Mode (colour): 0.45 lux (F1.6, shutter speed 1/30 sec., SSC off, 50IRE) 0.03 lux (F1.6, shutter speed 1/2 sec., SSC off, 50IRE) 0.01 lux (F1.6, shutter speed 1/2 sec., SSC on[7], 50IRE) Night Mode (monochrome): 0.25 lux (F1.6, shutter speed 1/30 sec., SSC off, 50IRE) 0.02 lux (F1.6, shutter speed 1/2 sec., SSC off, 50IRE) 0.007 lux (F1.6, shutter speed 1/2 sec., SSC on[7], 50IRE)
Shooting Distance	0.5 m (1.6 ft.) – infinity
Shutter Speed	1, 1/2, 1/4, 1/8, 1/15, 1/30, 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 (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 Auto: 3 levels Manual: 7 levels
Haze Compensation	Auto / Manual / Disable Auto: 3 levels Manual: 7 levels
AGC Limit	5 levels
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° (±90°)
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: 5 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
Camera Control	Administrator, Authorized user, Guest user (level of control varies depending on user) Max. 50 user names and passwords registered for authorized users.
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, SNMPv1 / v2c / v3 (MIB2), SMTP (Client), DHCP (Client), DNS (Client), mDNS, ARP, ICMP, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF IPv6: TCP / IP, UDP, HTTP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), mDNS, ICMPv6, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF
AutoIP	Available
Audio Compression Method	G.711 µ-law (64 kbps)
Audio Communication Method	Sound Transfer Protocol by Canon
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) Temporary storage memory in camera: Max. approx. 5 MB Frame Rate: Max. 10 fps (JPEG) Max. 30 fps (H.264)
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
Camera Angle Setting	Available
Daylight Saving Time	Available
Custom Settings	Number of registers: 4 Items to Reg.: Pan / Tilt / Zoom, Exposure, Smart Shade Control, Haze Compensation, Focus, White Balance, Image Quality Adjustment, Day / Night
APPLICATION	
Viewer	Camera-side: Admin Viewer VB Viewer
Admin Tools	Privacy Mask Setting Tool Preset Setting Tool Intelligent Function Setting Tool Log Viewer Recorded Video Utility Digital Zoom Setting Tool
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)	ϕ3.5 mm (ϕ0.14 in.) mini-jack connector (monaural) Switch LINE IN / sMIC IN in the setting page. LINE IN x 1 (connect to an amplifier microphone) or MIC IN x 1 (connect to a microphone w/o amplifier)
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. 4.1 W – Class 2 power sourcing equipment (requests 7.0 W)
Dimensions	(Φ x H) Φ 120 x 54 mm (Φ 4.72 x 2.13 in.) – excluding projections
Weight	Approx. 240 g (8.5 oz.)

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