

# VB-S800D



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

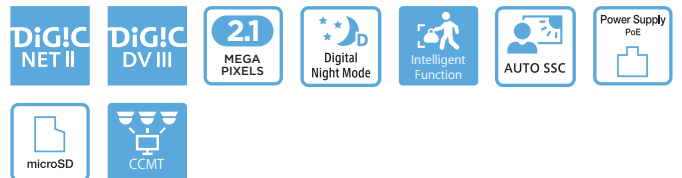
The Fixed Minidome is a full HD network security camera with new ultra-compact lens technology. Ideal for indoor security in retail, education and business environments.



- 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



**Canon**

# Technical Specifications

# VB-S800D

CAMERA	
<b>Image Sensor</b>	1/3 type CMOS (primary colour filter)
<b>Number of Effective Pixels</b>	Approx. 2.1 million pixels
<b>Scanning Method</b>	Progressive
<b>Lens</b>	Fixed focal length lens (4x digital zoom)
<b>Focal Length</b>	2.7 mm
<b>F-number</b>	F1.6
<b>Viewing Angle</b>	For 16:9 aspect ratios: Horizontal: 95.0° Vertical: 60.0° For 4:3 aspect ratios: Horizontal: 76.0° Vertical: 60.0°
<b>Day / Night Switch</b>	Auto / Day Mode / Night Mode
<b>Min. Subject Illumination</b>	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)
<b>Shooting Distance</b>	0.5 m (1.6 ft.) - infinity
<b>Shutter Speed</b>	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.
<b>Exposure</b>	Auto / Auto (Flickerless) / Auto (Flickerless2) / Auto (Shutter-priority AE) / Manual (Shutter Speed, Gain)
<b>White Balance</b>	Auto / Light Source (Daylight Fluorescent / White Fluorescent / Warm Fluorescent / Mercury Lamp / Sodium Lamp / Halogen Lamp) / Manual (One-shot WB/R Gain/B Gain)
<b>Metering Mode</b>	Center-Weighted / Average / Spot
<b>Exposure Compensation</b>	9 levels
<b>Smart Shade Control</b>	Auto / Manual / Disable Auto: 3 levels Manual: 7 levels
<b>Haze Compensation</b>	Auto / Manual / Disable Auto: 3 levels Manual: 7 levels
<b>AGC Limit</b>	5 levels
<b>Pan Angle Range</b>	350° (±175°)
<b>Tilt Angle Range</b>	90° (ceiling-mounted position: -90° - 0°) - When the horizontal direction of the camera is 0°
<b>Rotation Angle Range</b>	180° (±90°)
SERVER	
<b>Video Compression Method</b>	JPEG, H.264
<b>Video Size</b>	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
<b>Video Quality</b>	JPEG, H.264: 5 levels
<b>Frame Rate</b>	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.
<b>Max. Frame Rate</b>	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
<b>I-Frame Interval</b>	0.5/1/1.5/2/3/4/5 sec.
<b>Simultaneous Client Access</b>	Max. 30 Clients + 1 Admin Client - H.264: Max. 10 Clients
<b>Camera Control</b>	Administrator, Authorized user, Guest user (level of control varies depending on user) Max. 50 user names and passwords registered for authorized users.
<b>Access Control</b>	User authority (user name and password), Host Access Restrictions (IPv4, IPv6)
<b>Encrypted Communications</b>	SSL / TLS, IPsec (Auto Key Exchange / Manual)
<b>IEEE 802.1X</b>	EAP-MDS, EAP-TLS, EAP-TTLS, EAP-PEAP

<b>Protocol</b>	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
<b>AutoIP</b>	Available
<b>Audio Compression Method</b>	G.711 $\mu$ -law (64 kbps)
<b>Audio Communication Method</b>	Sound Transfer Protocol by Canon
<b>Privacy Mask</b>	Number of registration: Max. 8 places, Number of mask colours: 1 (select from 9 colours)
<b>Preset</b>	Max. 20 positions
<b>Intelligent Function</b>	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
<b>Event Trigger Type</b>	External Device Input, Timer, Intelligent Function (Video), Intelligent Function (Volume)
<b>Image Upload</b>	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)
<b>Event Notification</b>	HTTP / SMTP (e-mail)
<b>Camera Angle Setting</b>	Available
<b>Image Cropping Function</b>	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
<b>Camera Angle Setting</b>	Available
<b>Daylight Saving Time</b>	Available
<b>Custom Settings</b>	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	
<b>Viewer</b>	Camera-side: Admin Viewer VB Viewer
<b>Admin Tools</b>	Privacy Mask Setting Tool Preset Setting Tool Intelligent Function Setting Tool Log Viewer Recorded Video Utility Digital Zoom Setting Tool
<b>Included Software</b>	Camera Management Tool RM-Lite Proxy Authentication Admin Tools / Admin Viewer
<b>Language</b>	German / English / Spanish / French / Italian / Russian / Turkish / Japanese
INTERFACE	
<b>Network Terminal</b>	LAN x 1 (RJ45, 100Base-TX (auto / full-duplex / half-duplex))
<b>Audio Input Terminal (common for LINE IN &amp; MIC IN)</b>	$\phi$ 3.5 mm ( $\phi$ 0.14 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)
<b>External Device I/O Terminal</b>	Input x 1, Output x 1
<b>Memory Card</b>	microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card Compatible. Frame Rate: Max. 1 fps (JPEG) Max. 30 fps (H.264)
OTHER	
<b>Operating Environment</b>	Temperature: -10°C - +50°C (+14°F - +122°F) Humidity: 5% - 85% (without condensation)
<b>Power Supply</b>	PoE: PoE power supply via LAN cable (IEEE802.3af compliant)
<b>Power Consumption</b>	Max. 4.1 W - Class 2 power sourcing equipment (requests 7.0 W)
<b>Dimensions</b>	( $\Phi$ x H) $\Phi$ 120 x 54 mm ( $\Phi$ 4.72 x 2.13 in.) - excluding projections
<b>Weight</b>	Approx. 240 g (8.5 oz.)

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