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

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**VB-S800D**

Smart, Full HD Fixed Minidome camera in an ultra-compact body.
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: 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 lx (F1.6, shutter speed 1/30 sec., SSC off, 50IRE)
0.03 lx (F1.6, shutter speed 1/2 sec., SSC off, 50IRE)
0.01 lx (F1.6, shutter speed 1/2 sec., SSC on(7), 50IRE)
Night Mode (monochrome):
0.25 lx (F1.6, shutter speed 1/30 sec., SSC off, 50IRE)
0.02 lx (F16, shutter speed 1/2 sec., SSC off, 50IRE)
0.007 lx (F16, shutter speed 1/2 sec., SSC on(7), 50IRE)

Shooting Distance 0.5 m (1.6 ft.) – infinity
Shutter Speed 1/1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000
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
Sharpness Control
Auto / Manual / Disable
Auto: 3 levels Manual: 7 levels
Haze Compensation
Auto / Manual / Disable
Auto: 3 levels Manual: 7 levels
AOC Limit 5 levels
Pan Angle Range 35.0° (±90°)
Tilt Angle Range 90° (ceiling-mounted position: -90° – 0°)
– offset from the initial 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, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9, 1/10, 1/15, 1/20, 1/25, 1/30, 1/40, 1/50, 1/60, 1/75, 1/90, 1/100, 1/120, 1/150, 1/200, 1/250, 1/300, 1/500, 1/600, 1/750, 1/900, 1/1000, 1/1200, 1/1500, 1/2000, 1/2500, 1/3000
Max. Frame Rate When streaming JPEG, H.264 (1920 x 1080): 30 fps
When streaming H.264: 1/2, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9, 1/10, 1/15, 1/20, 1/25, 1/30, 1/40, 1/50, 1/60, 1/75, 1/90, 1/100, 1/120, 1/150, 1/200, 1/250, 1/300, 1/500, 1/600, 1/750, 1/900, 1/1000, 1/1200, 1/1500, 1/2000, 1/2500, 1/3000

I-Frame Interval
0.5/1/3/5/2/3/4/5 sec.
Simultaneous Client Access
Max. 30 Clients + 1 Admin Client
– H.264: Max. 40 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 (IP4, IP6)
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, RTSP, SMTP (Client), DNS (Client), TFTP (Client), DHCP (Client)
IPv6: TCP, UDP, HTTP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), mDNS, ICMPv6, POP3, NTP, SSMTP, RTSP, WV-HTTP (Canon proprietary), ONVIF
IPv6: TCP / IP, UDP, HTTP, FTP, SSMTP (Client), DHCPv6 (Client), DNS (Client), mDNS, ICMPv6, POP3, NTP, SSMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF
Audio Compression Method G.711 u-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)
Pre-set Max. 30 positions

Intelligent Function
Video: Detection Types: moving object detection, abandoned object detection, removed object detection, camera tampering detection; and passing detection
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 Ratio: Max. 10 fps (JPEG)
Max. 30 fps (H.264)

Event Notification
HTTP / SMTP (e-mail)

Camera Angle Setting
Available

Camera Angle Setting
Available

Daylight Saving Time
Available

Custom Settings
Number of registers: 4
Items to Reg.: Pan, Tilt, Zoom, Exposure, Sharpness Control, Haze Compensation, Focus, White Balance, Image Quality Adjustment, Day / Night

APPLICATION

Viewer Camera-side: Admin Viewer
USB Viewer

Admin Tools
Privacy Mask Setting Tool
Pre-set 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
English / Spanish / French / Italian / Russian / Turkish / Japanese

OTHER

Network Terminal LAN x 1 (RJ45, 10Base-TX (auto / full-duplex / half-duplex))

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

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

Power Supply
PoE: PoE power supply via LAN cable (IEEE802.3af compliant)

Power Consumption
Max. 31 W
– Denotes power-saving equipment (meets TCO99)

Dimensions
(Φ x H): 120 x 54 mm (Φ 4.72 x 2.13 in.)

Weight 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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