

VB-M620D

Keep every angle covered

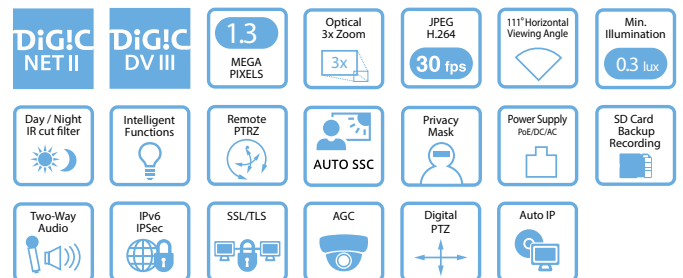
The VB-M620D 1.3 MP fixed dome IP security camera is ideal for indoor conditions. Monitor and record activity day and night with an ultra-wide 111° field of view.



- 1.3 MP fixed dome IP security camera
- 3x optical zoom lens with ultra-wide 111° field of view
- True Day / Night and two-way audio
- Superior image quality using Canon DIGIC DV III processor
- Canon DIGIC NET II supports dual H.264 video streams (up to 30 fps)
- Remote Pan / Tilt / Rotate / Zoom (PTRZ) function reduces installation time
- Superior low-light performance: colour at 0.3 lux and mono at 0.015 lux
- Auto Smart Shade Control (Auto-SSC) improves foreground objects in bright backlit scenes
- Intelligent Functions and ONVIF v2.4 (Profile S) compliant

Product Range

VB-H630VE Full HD vandal resistant dome camera, VB-H630D Full HD indoor fixed dome camera, VB-M620VE 1.3MP vandal resistant dome camera, **VB-M620D 1.3MP indoor fixed dome camera**, VB-S800D Full HD indoor fixed mini-dome camera, VB-S805D 1.3MP indoor fixed mini-dome camera



Technical Specifications

VB-M620D

IMAGE SENSOR

Type 1/3 type CMOS (primary colour filter)
Number of Pixels Approx. 1.3 million pixels
Scanning System Progressive

OPTICS

Zoom Magnification and Control 3x optical (4x digital zoom) zoom lens (electric drive)
Focal Length 2.8 (W) – 8.4 mm (T)
Horizontal Field of View 111° (W) – 36.5° (T)
Vertical Field of View 60.1° (W) – 20.5° (T)
Lens F-Number F1.2 (W) – F2 (T)
Minimum Subject Illumination
 Day Mode (colour):
 0.3 lux (F1.2, shutter speed 1/30 sec., smart shade control off, 50IRE)
 0.02 lux (F1.2, shutter speed 1/2 sec., smart shade control off, 50IRE)
 0.008 lux (F1.2, shutter speed 1/2 sec., smart shade control on, 50IRE)
 Digital Night Mode (monochrome):
 0.015 lux (F1.2, shutter speed 1/30 sec., smart shade control off, 50IRE)
 0.001 lux (F1.2, shutter speed 1/2 sec., smart shade control off, 50IRE)
 0.0005 lux (F1.2, shutter speed 1/2 sec., smart shade control on, 50IRE)

Focus Control Auto / One-shot AF / Manual / Fixed at infinity
Focusing Region Day Mode: 0.3 m – infinity
 Night Mode: 1.0 m – 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, 1/16000 sec.
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)
Imaging Modes Day Mode, Night Mode (Auto / Manual)
Metering Modes Center-Weighted / Average / Spot
Exposure Auto / Auto (Flickerless) / Auto (Shutter-priority AE) / Manual (Shutter Speed, Gain)
Exposure Compensation 9 levels
Shade Correction Canon Smart Shade Control (SSC), Manual with 7 levels, Auto with 3 levels, Disable
AGC Limit 5 levels

SERVER UNIT

Video Compression Method H.264, JPEG
Video Output Size JPEG, H.264: 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 of compression
Frame Rate JPEG: 0.1 – 30 fps^[1]
 H.264: 1/2/3/5/6/10/15/30 fps^[1]
Multi-Streaming 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) (1920 x 720) simultaneously: 15 fps
I-Frame Interval 0.5 / 1 / 1.5 / 2 / 3 / 4 / 5 sec.
Simultaneous Distribution JPEG: Max. 30 Clients + 1 Admin Client
 H.264: Max. 10 Clients
Audio Communication Sound Transfer Protocol by Canon
Audio Compression Method G.711 µ-law (64 kbps)

Supported Protocols

IPv4: TCP/IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), ARP, ICMP, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF
 IPv6: TCP/IP, UDP, HTTP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), ICMPv6, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF

AutoIP Available
Encrypted Communications SSL/TLS, IPsec (Auto Key Exchange / Manual)
IEEE 802.1X EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP
Privacy Mask Number of registration: Max. 8 places,
 Number of mask colours: 1 (select from 9 colours)

Camera Access Control

Camera Access Levels 3 user levels: Administrator / Authorised User / Guest User
Event Trigger Type External Device Input, Timer, Intelligent Function (Video), Intelligent Function (Volume)
Event Notification HTTP/SMTP (e-mail)
Custom Settings Number of registers: 4
 Items to Reg.: Exposure, Smart Shade Control, Focus, White Balance, Image Quality Adjustment, Day / Night

EMBEDDED ANALYTICS

Video Content Analytics Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection and Passing Detection (Max of 15 detections per camera)
Audio Volume Detection

CONNECTORS

Network Interface LAN x 1 (RJ45, 100Base-TX (auto / full-duplex / half-duplex))
Audio Input (Mic In / Line In) 3.5 mm mono mini-jack
Audio Output (Line Out) 3.5 mm mono mini-jack
External Device I/O Terminals 2 x Inputs / 2 x Outputs
Memory Card SD Memory Card, SDHC Memory Card, SDXC Memory Card Compatible.

MECHANISMS

Pan Angle Range 350° (±175°)
Tilt Angle Range 150° (±75°)
Rotation Angle Range 350° (±175°)
Maximum Rotation Speed Pan: 17.1°/sec., Tilt: 12.6°/sec., Rotation: 25.9°/sec
Preset Positions Max. 20 frame positions

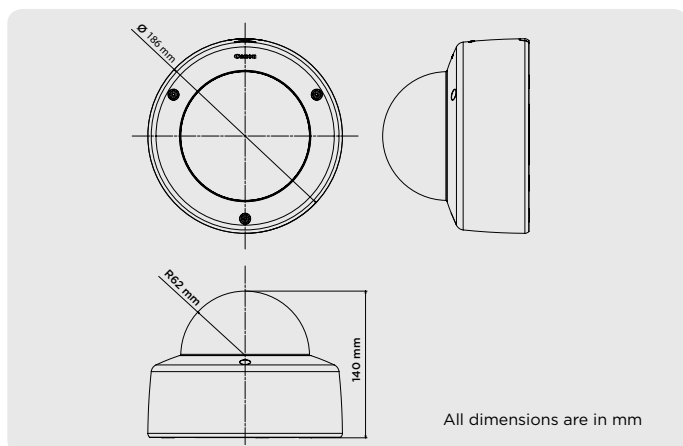
GENERAL

Dimensions (W x H) 186 mm x 140 mm
Weight Approx. 1190 g
Power Sources PoE: PoE power supply via LAN cable (IEEE802.3af compliant)
 AC Adapter: PA-V17 or PA-V18 (100 – 240 V AC) (sold separately)
 External power source: 24 V AC / 12 V DC
Power Consumption When using PoE: Max. approx. 7.8 W
 When using AC Adapter PA-V17: Max. approx. 9.8 W (100 V AC)
 Max. approx. 10.2 W (240 V AC)
 When using AC Adapter PA-V18: Max. approx. 9.4 W (100 V AC)
 Max. approx. 9.2 W (240 V AC)
 When using DC: Max. approx. 8.3 W
 When using AC: Max. approx. 7.5 W

Operating Environment

Temperature: -10°C to +50°C, Humidity: 5% – 85% (without condensation)
^[1] – 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.

Dimensions



Connectivity

