



# CANON FIXED DOME NETWORK CAMERAS

Canon's Fixed Dome Network Cameras include Vandal (IK10, IP66 Rated) and Non-Vandal models which can be used to monitor large indoor and outdoor areas. All of these models provide high quality, accurate video thanks to their Genuine Canon Lenses, advanced imaging sensors and two proprietary Canon DIGIC processors (DIGIC DV III and DIGIC NET II). All models also feature Canon's unique Remote Adjustment Function, which allows installers to save time, labor and expense by remotely fine-tuning a camera's viewing area and focus settings. For maximum installation flexibility a selection of optional accessories are available.

## VB-H630VE / VB-M620VE Vandal Resistant Fixed Dome Network Cameras



- VB-H630VE:  
2.1 Megapixel Resolution (1920 x 1080)
- VB-M620VE:  
1.3 Megapixel Resolution (1280 x 960)
- Built-in Remote Adjustment Function for Easy Camera Positioning
- Vandal Resistant Enclosure (IK10 Rated)
- **DIGIC** DV III Image Processor
- **DIGIC** Net II Network Video Processor
- H.264 and M-JPEG Simultaneous Streaming
- Exceptional Low Light Performance
- ONVIF 2.4 / Profile S Conformant
- Environmental Resistant Enclosure (IP66 Rated)

## VB-H630D / VB-M620D Fixed Dome Network Cameras



- VB-H630D:  
2.1 Megapixel Resolution (1920 x 1080)
- VB-M620D:  
1.3 Megapixel Resolution (1280 x 960)
- Built-in Remote Adjustment Function for Easy Camera Positioning
- **DIGIC** DV III Image Processor
- **DIGIC** Net II Network Video Processor
- H.264 and M-JPEG Simultaneous Streaming
- Exceptional Low Light Performance
- ONVIF 2.4 / Profile S Conformant

## Key Features & Benefits

### VANDAL RESISTANT ENCLOSURE

The VB-H630VE and VB-M620VE Vandal Resistant Fixed Dome Network Cameras feature a tough polycarbonate resin capsule and die-cast aluminum construction to help prevent damage to the dome and camera.

**IK10**

- Both models feature a built-in shock-absorbing mechanism designed to help prevent lens impairment if the dome is struck.
- Ideal for use in areas subject to abuse, including correctional facilities, public transportation centers and schools.

### DIGIC DV III IMAGE PROCESSOR

- Vivid "Lifelike" Color Reproduction and Image Clarity
- Rich, Smooth Gradations
- Virtually Eliminates Image Noise
- High Speed Engine for Maximum Processing Power



**DIGIC**  
DV III

### DIGIC NET II PROCESSOR

- Simultaneously deliver both H.264 and M-JPEG video in High Resolution (1080 and 720) at up to 30fps
- High Speed Transmission
- Low Power Consumption



**DIGIC**  
NET II

### REMOTE ADJUSTMENT FUNCTION





These Fixed Dome Cameras also feature Canon's unique built-in Remote Adjustment Function for ease of camera lens positioning which allows installers to save time, labor and expense by using a password-protected application to remotely fine-tune a camera's viewing area and focus settings whenever it's required (an especially handy feature in multiple-camera installations).



Canon's Remote Adjustment Function is a mechanical system that allows you to adjust camera position, zoom, and focus via your PC.

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**SPECIFICATIONS** (The chart below contains an abbreviated list of specifications — for a complete list visit [networkcameras.usa.canon.com](http://networkcameras.usa.canon.com))

	PRODUCT NAME	VB-H630VE	VB-H630D	VB-M620VE	VB-M620D
	ITEM CODE	9903B001	9904B001	9907B001	9908B001
	PRODUCT IMAGE				
CAMERA	IMAGE SENSOR	1/3" CMOS (RGB)			
	NUMBER OF EFFECTIVE PIXELS	2.1 MP		1.3 MP	
	LENS	3x Optical (4x Digital) Zoom Lens (Electric Drive)			
	FOCAL LENGTH (W - T)	2.8 (W) – 8.4mm (T)			
	F-NUMBER (W - T)	F1.2 (W) – F2.0 (T)			
	HORIZONTAL VIEWING ANGLE (W - T)	111.0° (W) – 36.5° (T)			
	VERTICAL VIEWING ANGLE (W - T)	60.1° (W) – 20.5° (T)			
	DAY / NIGHT	Automatically Removable Infrared-cut Filter			
	MIN. SUBJECT ILLUMINATION - DAY (COLOR)	0.008 lux (F1.2, shutter speed 1/2 sec., SSC on, 50IRE)			
	MIN. SUBJECT ILLUMINATION - NIGHT (MONOCHROME)	0.0005 lux (F1.2, shutter speed 1/2 sec., SSC on, 50IRE)			
	SHUTTER SPEED	1 -1/16000 sec.			
	WIDE DYNAMIC RANGE (SMART SHADE CONTROL)	Auto / Manual / Disable Auto: 3 Levels / Manual: 7 Levels			
SERVER	VIDEO COMPRESSION METHOD	M-JPEG, H.264			
	VIDEO SIZE	1920 x 1080, 1280 x 720, 1280 x 960 960 x 540, 640 x 360, 640 x 480 480 x 270, 320 x 180, 320 x 240		1280 x 720, 1280 x 960 640 x 360, 640 x 480 320 x 180, 320 x 240	
	MAXIMUM FRAME RATE	1920 x 1080: 30fps		1280 x 960: 30fps	
	ONVIF VERSION	ONVIF Ver. 2.4 / Profile S			
	IPv4 PROTOCOL	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 PROTOCOL	TCP/IP, UDP, HTTP, FTP, SMTP (Client), DHCPv6 (Client), DNS (Client), ICMPv6, POP3, NTP, SMTP authentication, RTSP, WV-HTTP (Canon proprietary), ONVIF			
	AUDIO COMMUNICATION METHOD	Full-duplex (two-way) – Echo cancellation function compliant, Mono			
	PRESETS	Max. 20 positions (Digital)			
	INTELLIGENT FUNCTION - VIDEO (ON BOARD VIDEO ANALYTICS)	Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection, Passing Detection and Sound Level Detection			
	INTERFACE	NETWORK TERMINAL	LAN x 1 (RJ45, 100Base-TX auto/full-duplex/half-duplex)		
MEMORY CARD		SD Memory Card, SDHC Memory Card, SDXC Memory Card Compatible. Frame Rate: Max. 1fps (M-JPEG), Max. 30fps (H.264)			
POWER SUPPLY	PoE	PoE power supply via LAN connector (IEEE802.3af compliant)			
	EXTERNAL POWER SOURCE	24 VAC/12 VDC			
POWER CONSUMPTION	WITH POE	Maximum approximately 8.4 W	Maximum approximately 7.8 W	Maximum approximately 8.4 W	Maximum approximately 7.8 W
	WITH 12VAC	Maximum approximately 9.0 W	Maximum approximately 8.3 W	Maximum approximately 9.0 W	Maximum approximately 8.3W
	WITH 24VAC	Max. approx. 8.1W Max. approx.18.7 W* *with Heater Unit HU600-VB (sold separately)	Max. approx. 7.5 W	Max. approx. 8.1 W Max. approx.18.7 W* *with Heater Unit HU600-VB (sold separately)	Max. approx. 7.5 W
OTHER	DIMENSIONS (Ø X H)	7.09 x 5.79 in. (180 x 147 mm)	7.32 x 5.51 in. (186 x 140 mm)	7.09 x 5.79 in. (180 x 147 mm)	7.32 x 5.51 in. (186 x 140 mm)
	WEIGHT	Approx. 4.211 lb. (1910g)	Approx. 2.624 lb. (1190g)	Approx. 4.211 lb. (1910g)	Approx. 2.624 lb. (1190g)

## Recommended Supplies & Accessories



### PC600-VB

#### Pendant Mounting Kit

##### Compatible with Camera Models:

Item Name	Item Code
VB-H630VE	9903B001
VB-M620VE	9907B001
VB-H630D	9904B001
VB-M620D	9908B001



### PS600-VB

#### Junction Box Mounting Kit

##### Compatible with Camera Models:

Item Name	Item Code
VB-H630VE	9903B001
VB-M620VE	9907B001
VB-H630D	9904B001
VB-M620D	9908B001



### HU600-VB

#### Heater Unit

##### Compatible with Camera Models:

Item Name	Item Code
VB-H630VE	9903B001
VB-M620VE	9907B001

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