



CANON PTZ NETWORK CAMERAS

Canon's PTZ (Pan/Tilt/Zoom) Network Cameras are robust, long-zoom models that offer the ability to zero in on specific individuals, objects, or events with amazing speed and accuracy. Delivering outstanding imaging performance, even in some of the most challenging low-light environments, Canon PTZ Network Cameras feature Genuine Canon Lenses, advanced imaging sensors and two proprietary Canon DIGIC processors (DIGIC DV III and DIGIC NET II). Optional enclosures and accessories are available to customize these models to specific indoor and outdoor uses, making them ideal for a wide range of security and surveillance applications.

VB-H43 / VB-M42 PTZ Network Cameras



- 20x Optical Zoom with Fast and Precise Pan/Tilt Mechanism
- VB-H43: 2.1 Megapixel Resolution (1920 x 1080)
- VB-M42: 1.3 Megapixel Resolution (1280 x 960)
- Brilliant Low-Light Performance
- **DiGiC** DV III Image Processor
- **DiGiC** Net II Network Video Processor Simultaneously Transmits Multiple Sizes of H.264 and M-JPEG
- On-Board Video Analytics
- Custom Video Settings
- ONVIF 2.4 / Profile S Conformant



Outdoor Wall Mount Dome



Surface Mount Dome (Under Canopy)

Key Features & Benefits

20X OPTICAL ZOOM LENS

These models feature a strong 20x Optical Zoom Lens (12x Digital Zoom) with an advanced Auto Focus algorithm for high levels of focus accuracy. The Pan/Tilt mechanism is fast and precise to help ensure quick, accurate movements.



ONVIF VERSION 2.4 / PROFILE S CONFORMANT

Third party integration is streamlined with ONVIF version 2.4 and Profile S conformance. As many system installations must be customized with products from different manufacturers, this allows the Canon PTZ Network Cameras to be seamlessly included in such systems.



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

ON-BOARD VIDEO ANALYTICS

Canon PTZ Network Cameras are equipped with advanced video analytics to greatly increase the effectiveness of video surveillance systems, helping end-users improve safety and save time/money by quickly responding to potential issues.



Abandoned Object Detection

- Moving Object Detection
- Removed Object Detection
- Abandoned Object Detection
- Sound Level Detection
- Passing Detection
- Camera Tampering Detection

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SPECIFICATIONS (The chart below contains an abbreviated list of specifications — for a complete list visit networkcameras.usa.canon.com)

	PRODUCT NAME	VB-H43	VB-M42
	ITEM CODE	9902B002	9906B002
	PRODUCT IMAGE		
CAMERA	IMAGE SENSOR	1/3 type CMOS (Primary Color Filter)	
	NUMBER OF EFFECTIVE PIXELS	2.1MP	1.3MP
	LENS	20x Optical (12x digital) Zoom Lens with Auto Focus	
	FOCAL LENGTH (W - T)	4.7 (W) - 94mm (T)	
	F-NUMBER (W - T)	F1.6 (W) - F3.5 (T)	
	HORIZONTAL VIEWING ANGLE	60.4° (W) - 3.2° (T)	
	VERTICAL VIEWING ANGLE	35.1° (W) - 1.8° (T)	
	DAY / NIGHT	Automatically Removable Infrared-cut Filter	
	MIN. SUBJECT ILLUMINATION - DAY (COLOR)	0.01 lux (F1.6, shutter speed 1/2 sec., smart shade control is on, 50IRE)	
	MIN. SUBJECT ILLUMINATION - NIGHT (MONOCHROME)	0.001 lux (F1.6, shutter speed 1/2 sec., smart shade control is on, 50IRE)	
SERVER	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.	
	WIDE DYNAMIC RANGE (SMART SHADE CONTROL)	Auto / Manual / Disable Auto: 3 Levels / Manual: 7 Levels	
	VIDEO COMPRESSION	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: 30 fps, 1280 X 720: 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	
	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	Full-duplex (two-way) - Echo cancellation function compliant, Mono	
	PRESETS	Max. 20 positions	
INTERFACE	INTELLIGENT FUNCTION (ON BOARD VIDEO ANALYTICS)	Moving Object Detection, Abandoned Object Detection, Removed Object Detection, Camera Tampering Detection, Passing Detection and Sound Level Detection	
	NETWORK TERMINAL	LAN x 1 (RJ45, 100Base-TX auto/full-duplex/half-duplex)	
POWER SUPPLY	MEMORY CARD	SD Memory Card, SDHC Memory Card, SDXC Memory Card Compatible, Frame Rate: Max. 1fps (M-JPEG), Max. 30fps (H.264)	
	EXTERNAL POWER SOURCE	PoE power supply via LAN connector (IEEE802.3af compliant) 24 VAC / 12 VDC	
POWER CONSUMPTION	WITH PoE (IEEE802.3af)	Maximum approximately 9.2 W	
	WITH 12VDC	Maximum approximately 8.6 W	
	WITH 24VAC	Maximum approximately 8.8 W	
OTHER	DIMENSIONS (DIA X H)	(Ø x H) 5.20 x 6.10 in. (132 x 155 mm)	
	WEIGHT	Approx. 2.514 lb. (1140g)	

Recommended Enclosures

OUTDOOR WALL MOUNT DOME

A-ODW5C(OW)

Outdoor Wall Mount 5" Clear Dome with Heater and Blower

IP66 (when using provided rubber seal)

Item Code: 1381V094



Other Recommended Outdoor Wall Mount Domes available:

Item Name	Item Description	Item Code
A-ODW5SCS(OW)	Outdoor Wall Mount 5" Clear Dome with Heater & Blower and Sunshield (24VAC)*	1381V096
A-ODW5C12S(OW)	Outdoor Wall Mount 5" Clear Dome with Heater & Blower and Sunshield (12VDC)*	1923V394

*IP66 (when using provided rubber seal)

Accessories for Outdoor Wall Mount Dome models:

Item Name	Item Description	Item Code
A-BK3(OW)	Pole Mount Adapter and 59" length Non-Tool Aluminum Clamp*	2120V066
A-CM100	Narrow ceiling mount bracket. Steel construction with powder coat finish	1381V100
A-CM100NPT	Ceiling mount bracket for 1 1/2" NPT. Steel construction. Requires A-CP100NPT.	1381V101
A-CP100NPT	Coupling for dome housing for 1 1/2" NPT. Steel construction with powder coat finish	1381V102
A-CM3	Corner Mount Adapter	1381V107
A-H24	Additional Heater for A-ODW	

*Minimum Pole Diameter 4"

SURFACE MOUNT DOME (UNDER CANOPY)

A-SWD5ZC

Vandal Surface Mount 5" Clear Dome

Capsule made of 0.118" thickness Polycarbonate

Item Code: 2064V111



Other Recommended Surface Mount Vandal Resistant Domes available:

Item Name	Item Description	Item Code
A-SWD5ZT	Vandal Surface Mount 5" Tinted Dome (capsule made of 0.118" thickness Polycarbonate)	2064V112
A-SWD5VCHB	Vandal Surface Mount 5" Clear Dome with Heater & Blower (capsule made of 0.118" thickness Polycarbonate with Cast Aluminum Body)	1381V120

Accessories for Surface Mount Vandal Dome models:

Item Name	Item Description	Item Code
A-SWD5ZWB	Wall bracket for A-SWD5V & A-SWD5Z	1968V994
A-SWD5CA	Ceiling Adapter for A-SWD5 (Pipe is not provided)	1381V124
A-SWD5BH2	Blower & Heater for A-SWD5, A-SWD5Z, A-SWD5V	2120V067

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