

Canon

Delighting You Always

ULTRA COMPACT

NETWORK SURVEILLANCE CAMERA

Wide-Angle Lens with 2.4x Optical Zoom

The versatile 82° wide-angle vari-focal lens makes it easy to monitor large spaces such as shopping malls and offices, or smaller areas like ATMs and retail stores. A 2.4x optical zoom (digital 4x) allows close-up viewing when required.



Excellent Low-Light Performance

The highly sensitive CCD can capture color video at 0.2lux (1/30sec.), whilst maintaining low noise and accurate color reproduction. Automatic Digital Night Mode can also be activated to record clear monochrome videos in low light conditions.



Clearer Details with Smart Shade Control

SSC
Smart Shade Control

In backlit scenes where the subject is darkened and difficult to see, Smart Shade Control adjusts the contrast of the dark areas of the image so that the subject and background can be clearly seen.



Smart Shade Control On

Smart Shade Control Off

High Quality 30fps Video Capture

Videos can be captured with a resolution of 640 x 480 or 320 x 240pixels at a 30fps frame rate. The progressive scan format ensures smooth, high-quality images even when subjects are moving.

82°
WIDE-ANGLE

30FPS
VIDEO

SMART
SHADE
CONTROL

0.2 LUX
LOW
LIGHT

AUTO
DIGITAL
NIGHT MODE

POWER
OVER
ETHERNET



VB-C500D

Motion Detection Notification

If movement is detected or if an external device is triggered, the network camera can be programmed to automatically send the captured images to a pre-specified destination via FTP, HTTP or SMTP (email).

Easy Installation with PoE

Power over Ethernet (PoE) technology enables the VB-C500D to receive both data and power through a single LAN cable. Once the camera is connected to a PoE enabled hub, no additional electrical installation work is required.

Suitable for Wide Variety of Environments

Housed in an ultra compact 3.7-inch mini-dome, the unobtrusive appearance of the VB-C500D allows it to be installed in any inconspicuous area for discreet surveillance.

Simultaneous Two-way Audio

The VB-C500D can transmit audio in real-time both to and from an authorized networked PC, allowing administrators to listen in on a camera site, make announcements, or do both at the same time with the bundled software VK-Lite Viewer.

Intuitive Viewing Software

The optional VK-64 Network Video Recorder enables you to view and record real-time video feeds right from your desktop. The application's unique interface can be customized to show exactly what you want to see and supports up to 64 Canon network cameras on one storage server.



Illustrated Viewer

VB-C500D Specification

CAMERA PART

Image Sensor	1/4-inch CCD (primary color filter)
Number of Pixels	Effective 310k pixels
Scanning Method	Progressive
Lens	Variofocal lens: Optical 2.4x lens (digital 4x)
Focal Length	f = 2.6 ~ 6.2mm
F-number	F1.1 (W) ~ F1.4 (T)
Viewing Angle	Horizontal: 82° (W) ~ 34° (T) / Vertical: 60.5° (W) ~ 25.5° (T)
Day / Night Switch	Auto / Manual switching
Min. Subject Illumination	Day mode : 0.2lux ~ F1.1, color, 1/30 sec, Smart Shade Control = on (0.5lux : Smart Shade Control = off) Night mode : 0.1lux - F1.1, b/w, 1/30 sec, Smart Shade Control = on (0.2lux: Smart Shade Control = off)
Focus	Manual
Focus Range	0.7 m closest ~ ∞ (common for Day mode and Night mode)
Shutter Speed	1/1 ~ 1/8000 sec
Auto Exposure	Auto / Flickerless / Shutter-speed (12 levels: 1/8 ~ 1/8000 sec)
White Balance	Auto / Light Source / Lock (One-shot WB)
Metering Mode	3 options (Center-weighted / Average / Spot)
Exposure Compensation	7 levels
Smart Shade Control	7 levels (function for increasing the brightness of shaded subjects in an image with sharp contrast of brightness and darkness)

Angle of Pan and Tilt, Zoom and Focus are determined and fixed at the point of installation

INTERFACE

Network Terminal	LAN x 1 (RJ45, 100Base-TX (Auto / full-duplex / half-duplex))
Audio Input Terminal (common for LINE IN & MIC IN)	φ3.5 mini-jack connector (monaural) (connect via an optional Interface cable) LINE IN / MIC IN can be switched 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)
Audio Output Terminal (LINE OUT)	φ3.5 mini-jack connector (monaural) (connect via an optional Interface cable) LINE OUT x 1 (connect to an amplifier speaker)
External Device I/O Terminals	Input x 2 / Output x 2 (connect via an optional Interface cable)

*1 The frame rate may be reduced due to Viewer PC's specs, the number of clients accessing at the same time, network loads, or other reasons.

*2 A separately-sold amplifier speaker is necessary for playing audio files.

SERVER PART

Video Compression Method	Simultaneous distribution of JPEG / MPEG-4
Video Size	JPEG : 640 x 480 / 320 x 240 / 160 x 120 MPEG-4 : 640 x 480 / 320 x 240
Video Quality	JPEG / MPEG-4 : 5 levels JPEG : can be set by each video size
Frame Rate	JPEG : 30 ~ 0.1fps MPEG-4 : 30 / 15 / 10fps
Max. Frame Rate	JPEG : Max. 30fps (640 x 480)*1 MPEG-4 : Max. 30fps (640 x 480)*1
Simultaneous Client Access	Max. 30 clients (MPEG-4: Max.10 clients)
Audio Compression Method	G.711 μ-law (64kbps)
Audio Comm. Method	Full-duplex (two-way)
Audio Playback	Available (can play an audio file when a motion detection event or an external device input event occurs)*2
Protocol	IPv4 : TCP / IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (Client), DHCP (Client), DNS (Client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (from Canon) IPv6 : TCP / IP, UDP, HTTP, FTP, SMTP (Client), DNS (Client), ARP, ICMPv6, POP3, NDP, SMTP authentication, WV-HTTP (from Canon)
IPsec	Available
Camera Control	3 user levels available (Administrator / Authorized user / Guest user) Up to 50 user names and passwords can be registered
Access Control	Access control (user name & password) / IP address control (IPv4) / Simultaneous client access control
Motion Detection	Available (up to 4 detection areas can be set in a frame)
JPEG Image Upload	FTP / HTTP / SMTP (e-mail)
Event Notification	In-camera buffer memory for upload: Max. 4MB, Max. 10fps HTTP / SMTP (e-mail)

OTHERS

Operating Environment	Temperature: -10 ~ 50° C / Humidity: 20 ~ 80% RH (no condensing)
Power Supply	PoE: PoE power supply via LAN connector (IEEE802.3af compliant) AC adapter: optional PA-V17 (connect via an optional relay connector for power supply, non-polar) External power source: AC24V / DC12V (connect via an optional relay connector for power supply, non-polar) With PoE: Max. approx. 3.3W / with optional AC adapter PA-V17: Max. approx. 3.6W
Power Consumption	136 x 148 x 108mm
Dimensions (W x D x H)	Weight
	Approx. 640g

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