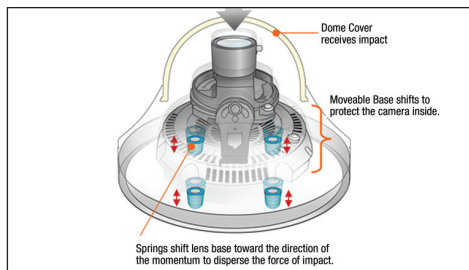# VB-C500VD IP SECURITY CAMERA

Vandal Resistant Mini Dome Camera

Canon's VB-C500VD is a fixed indoor IP security camera encased in a vandal resistant housing made of strong polycarbonate plastics (cover), tough alloyed aluminum (body), heat-resistant polycarbonate and ABS mixture (base), and secured with tamper-proof screws. Inside the housing, the camera is mounted on a Multi-Directional Shock Absorber, a four-spring mechanism designed to protect the camera by lessening the effects of impacts from various angles. If the dome is subjected to a blunt force, the four suspension springs shift the lens' moveable base in the direction of the momentum to catch and displace the force of impact. The VB-C500VD camera features an 82° wide angle Canon lens with 2.4x optical zoom, a high-sensitivity progressive-scan CCD and exceptional low light performance. This camera also features Canon's powerful **DiG!C NET** processor which enables the camera to simultaneously stream M-JPEG and MPEG-4 video encoding and transmission in high-quality VGA (640 x 480) resolution at a full 30 frames per second.

Key Features

- Vandal Resistant Housing
- 82° Wide Angle Lens with 2.4x Optical Zoom
- Progressive Scan CCD
- Exceptional Low Light Performance
- Color Video down to 0.2 Lux*
- Auto Day/Night with Digital Night Mode
- Smart Shade Control
- M-JPEG and MPEG-4 Video
- Advanced **DiG!C NET** Processor

Dome Cover receives impact

Moveable Base shifts to protect the camera inside.

Springs shift lens base toward the direction of the momentum to disperse the force of impact.

The Canon VB-C500VD features a vandal-resistant dome.

- Power over Ethernet (PoE) IEEE 802.3af compliant

Recommended For:

- Education Institutions
- Financial Institutions
- Mass Transit
- Correctional Facilities
- Shopping Malls

VB-C500VD

Canon

VB-C500VD

PRODUCT NAME: VB-C500VD   ITEM CODE: 4073B002   UPC CODE: 013803117448

SPECIFICATIONS

CCD IMAGE SENSOR		1/4 in. CCD (Primary Color Filter)
NUMBER OF PIXELS		310,000 Effective Pixels
SCANNING METHOD		Progressive
LENS	ZOOM RATIO	Fixed Focus: Optical 2.4x lens (digital 4x)
	FOCAL LENGTH / F-STOP	f= 2.6~6.2mm / F1.1 (W)~F1.4 (T)
ANGLE OF VIEW	HORIZONTAL	82° (W) - 34° (T)
	VERTICAL	60.5° (W) - 25.5° (T)
RANGE OF MOVEMENT	PAN RANGE	350° (± 175°) Manual
	TILT RANGE	150° (± 75°) Manual
	ROTATION RANGE	350° (±175°) Manual
FOCUS		Manual
FOCUS RANGE	DAY MODE	2.29 ft closest ~ ∞
	NIGHT MODE	2.29 ft closest ~ ∞
DAY / NIGHT MODE		Auto / Manual Switching
MINIMUM ILLUMINATION	DAY MODE	0.2 lux (F1.1, color, 1/30 sec, Smart Shade Control on)
	NIGHT MODE	0.1 lux (F1.1, B&W, 1/30 sec, Smart Shade Control on)
SHUTTER SPEED		1/1~1/8000 sec
AE		Auto / Flickerless / Shutter-speed (12 levels: 1/8~1/8000 sec.)
WHITE BALANCE		Auto / Light Source (6 types) / Lock (One-shot WB)
OPTICAL MEASUREMENT SYSTEM		3 options (Center-weighted / Average / Spot)
EXPOSURE COMPENSATION		7 Levels
SMART SHADE CONTROL		7 Levels
VIDEO COMPRESSION METHOD		Simultaneous distribution of M-JPEG / MPEG-4
OUTPUT IMAGE / VIDEO SIZE		M-JPEG: 640 x 480 / 320 x 240 / 160 x 120 MPEG-4: 640 x 480 / 320 x 240
VIDEO QUALITY		M-JPEG: 5 Levels (set by each video size) -MPEG-4: 5 Levels
FRAME RATE		M-JPEG: 0.1~30 fps-MPEG-4: 10 / 15 / 30 fps
MAXIMUM FRAME RATE		M-JPEG: 30 fps (640 x 480)[1]-MPEG-4: 3 fps (640 x 480)[1]
SIMULTANEOUS CLIENT ACCESS		M-JPEG: 30 clients-MPEG-4: 10 clients
AUDIO COMPRESSION METHOD		G.711µ-law (64kbps)
AUDIO COMMUNICATION		Full Duplex
AUDIO PLAY		Available (can play an audio file on a motion detection event or when an external device input is triggered)
PROTOCOL	IPv4	TCP / IP, UDP, HTTP, FTP, SNMP (MIB2), SMTP (client), DHCP (client), DNS (client), ARP, ICMP, POP3, NTP, SMTP authentication, WV-HTTP (Canon's original protocol)
	IPv6	TCP / IP, UDP, HTTP, FTP, SMTP (client), DNS (client), ICMPv6, POP3, NDP, SMTP authentication, WV-HTTP (Canon's original protocol)
IPSEC (Communication Encryption)		Available
CAMERA CONTROL		3 user levels available (Administrator / Authorized user / Guest user) Up to 50 users' user names and passwords can be set for Authorized users
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)
UPLOAD JPEG IMAGE		FTP / HTTP / SMTP (e-mail) in-camera buffer memory for upload: Max. 4MB
EVENT NOTIFICATION		HTTP / SMTP (e-mail)
NETWORK		LAN x 1 (RJ45, 100Base-TX (Auto / full-duplex / half-duplex))
AUDIO INPUT TERMINAL		Ø 3.5 monaural mini jack connector LINE IN x 1 (connect to an amplifier microphone) or MIC IN x 1 (connect to a microphone w/o amplifier) Requires Optional Accessory #4: Audio Interface Cable (WA-500VB)
AUDIO OUTPUT TERMINAL		Ø 3.5 monaural mini jack connector LINE OUT x 1 (connect to an amplifier speaker) Requires Optional Accessory #4: Audio Interface Cable (WA-500-VB)
EXTERNAL DEVICE I / O TERMINAL		Input x 2 / Output x 2 Requires Optional Accessory #5: I / O Interface Cable (WC-500VB)
OPERATING ENVIRONMENT TEMPERATURE / HUMIDITY		Temperature: 14°C~122°F / Humidity: 20~85% RH (no condensing)
POWER SUPPLY	PoE	PoE power supply via LAN connector (IEEE802.3af compliant)
	OPTIONAL AC ADAPTER	AC100V-240V Requires Optional Accessory #2: Power Adapter (PA-V17) and Optional Accesory #3: Power Interface Cable (WP-500VB)
	OPTIONAL EXTERNAL POWER	AC24V / DC12V Requires Accessory #3: Optional Power Interface Cable (WP-500VB) and third party transformer (sold seperately)

SPECIFICATIONS

POWER CONSUMPTION	WITH PoE	Max. approximately 3.3W
	WITH OPTIONAL AC ADAPTER	Max. approximately 3.6W
BUNDLED SOFTWARE	VK-LITE	4-Camera Monitoring and Recording Software license included
DIMENSIONS (W x D x H)		6.10 x 6.10 x 4.65 in. (155 x 155 x 118 mm)
WEIGHT		1.72 lbs. (780 g)
SHOCK RESISTANCE		Multi-Directional Shock Absorber, a four-spring mechanism designed to protect the camera by lessening the effects of impacts from various angles

OPTIONAL ACCESSORIES

	Item Code No.	Description
SOFTWARE	2245B001	PA-V17 AC Adapter (WP500-VB also required)
	3939B001	WP500-VB Power Interface Cable
	3936B001	WA500-VB Audio Interface Cable
	3938B001	WC500-VB I / O Interface Cable
	3935B001	SR500-S-VB Recessed Mounting Kit
	4075B001	VK-64 v2.2 Network Video Recording Software
	4075B002	VK-16 v2.2 Network Video Recording Software
	4075B003	VK-Viewer v2.2 1 License for VK-64 / VK-16
	4075B004	VK-Viewer v2.2 5 License for VK-64 / VK-16
	3331B001	VK-Lite additional license

Various Mounting Options

WALL MOUNT   **DIRECT CEILING MOUNT**   **RECESSED MOUNT**

Compact and adaptable to wide variety of environments, the VB-C500VD can easily be placed in an upright position, a ceiling-mounted position, or even a wall-mounted position. The 3.7-inch (dome diameter) compact mini-dome camera allows you to monitor without drawing people's attention even in upscale condominiums, hotels and other places where the interior design is more emphasized.

*Ratings based on F1.1, 1/30 sec and Smart Shade Control on.

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For more info:
Call 1-800-OK-CANON (1-800-652-2666)
www.usa.canon.com/professional   0154W939

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