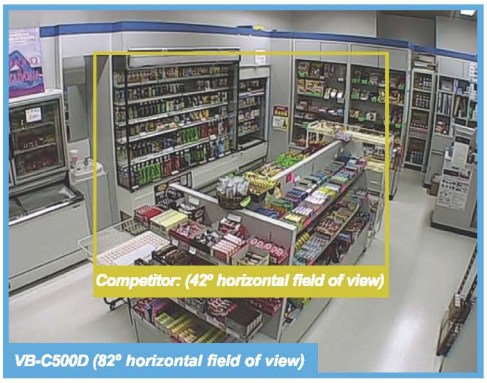
VB-C500D

FIXED MINI DOME NETWORK CAMERA



The VB-C500D possesses a wide 82° horizontal field of view

Shown with optional SR500-S-VB Recessed Mounting Kit

Product Name	VB-C500D
Item Code	3934B003
UPC Code	013803116236

DiG!C NET

SSC Smart Shade Control

***Competitor Model**: Color Video at 0.2 lux*

***VB-C500D**: Color Video at 0.2 lux*
(Smart Shade Control ON / Level 7)

Smart Shade Control: Off

Smart Shade Control: On

Introducing a high performance network mini dome camera ideally suited for a wide variety of applications such as ATM's, lobbies and building entrances, as well as larger sites such as offices, retails stores and shopping malls.

GENUINE CANON OPTICS:

- The VB-C500D offers a wide 82° (2.6mm) horizontal field of view.
- The lens maintains exceptional image clarity throughout the entire field of view.

ZOOM / RANGE OF MOVEMENT:

- Zoom: 2.4x Optical Zoom lens / 4x Digtial Zoom lens.
- Range of Movement: Pan Range: 350° (±175°) - manual
  Tilt Range: 150° (±75°) - manual
  Rotation Range: 350° (±175°) - manual

POWERFUL DIGIC NET PROCESSOR:

- DIGIC NET processor performs all encoding and transmission.
- Simultaneous distribution of M-JPEG in three different resolutions.
- Image capture can be delivered in both M-JPEG and MPEG-4 video at 30fps.

COLOR VIDEO AT 0.2 lux:

- Capable of capturing color images of subjects with brightness as low as 0.2 lux (1/30 sec.), the VB-C500D is ideal for video monitoring of locations with variable lighting.

AUTO DAY/NIGHT MODE with DIGITAL NIGHT MODE:

- The Auto Day/Night mode feature switches automatically from light to dark in night-time conditions. Select up to 5 different brightness levels for Auto Day/Night switching.
- Digital Night Mode will automatically change from color video monitoring to monochrome video monitoring without interruption caused by insertion/removal of an IR cut filter.

PROGRESSIVE-SCAN CCD:

- Allows for the capture of noise-less, high quality video (M-JPEG or MPEG-4) of moving subjects.

SMART SHADE CONTROL:

- Adjusts darker areas of the image, while maintaining the brightness of the brighter areas, so the subject and background are visible.

MOTION DETECTION:

- Built-in motion detection capability, allows the user to set up to four motion detection areas, with varying levels of sensitivity.
- The camera is equipped to automatically send images to a desired location via FTP/ HTTP/SMTP (email) when subject motion is detected or if an external sensor is triggered.

PoE (POWER OVER ETHERNET) IEEE802.3af COMPLIANT:

- Receive both data and power through a single Ethernet cable.

82° Horizontal Viewing Angle | DIGIC NET Processor | Progressive Scan | Color Video at 0.2 lux | Day / Night | Smart Shade Control | Exposure Compensation 7 levels | JPEG MPEG-4 30 fps | Multi-Streaming | Simultaneous Data Distribution | Two-Way Audio | Image Upload | Power Supply PoE/DC/AC

VB-C500D FIXED MINI DOME NETWORK CAMERA

Specifications

CCD IMAGE SENSOR	1/4-inch CCD (primary color filter)	
NUMBER OF PIXELS	Effective 310k pixels	
SCANNING METHOD	Progressive	
LENS		
Zoom Ratio	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		
Color	0.2 lux (F1.1, color, 1/30 sec, Smart Shade Control=on)	
Black & White	0.1 lux (F1.1, B&W, 1/30 sec, Smart Shade Control=on)	
SHUTTER SPEED	1/1 ~ 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	JPEG: 640×480 / 320×240 / 160×120	MPEG-4: 640×480 / 320×240
FRAME RATE	M-JPEG: 0.1 ~ 30fps	MPEG-4: 30 / 15 / 10 fps
MAXIMUM FRAME RATE	M-JPEG: 30 fps (640x480) x 1	MPEG-4: 30fps (640x480) x 1
SIMULTANEOUS CLIENT ACCESS	M-JPEG: 30 clients	MPEG-4: 10 clients
AUDIO COMMUNICATION	Full Duplex	
IPsec	Available	
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), ICMPv5, POP3, NDP, SMTP authentication, WV-HTTP (Canon's original protocol)	
MOTION DETECTION	Available (up to 4 detection areas can be set in a frame)	
JPEG IMAGE UPLOAD	Max. 4MB, Max. 10fps	
EVENT NOTIFICATION	HTTP/SMTP (e-mail)	
NETWORK	LAN × 1 (RJ45, 100Base-TX (Auto / full-duplex / half-duplex))	
AUDIO INPUT TERMINAL	Ø 3.5 monaural mini jack connector LINE IN × 1 (connect to an amplifier microphone) or MIC IN × 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 × 1 (connect to an amplifier speaker) *Requires Optional Accessory #4: Audio Interface Cable (WA-500-VB)*	
EXTERNAL DEVICE I/O TERMINAL	Input × 2 / Output × 2 *Requires Optional Accessory #5: I/O Interface Cable (WC-500VB)*	
OPERATING ENVIRONMENT		
Temperature / Humidity	Temperature: 14 ~ 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)*	
POWER CONSUMPTION		
with PoE	Max. approximately 3.3W	
with Optional AC Adapter	Max. approximately 3.5W	
BUNDLED SOFTWARE		
VK-Lite	4-Camera Monitoring and Recording Software license included	
WEIGHT	1.36 lbs. (620g)	
DIMENSIONS (W x D x H)	5.35"(W) x 5.83"(D) x 4.25"(H)	

Kit Contents

ITEMS	VB-C500D Network Camera	Template
	Set-Up CD-ROM	Start Guide
	Safety Wire	Warranty Card

Optional Accessories

ITEM CODE	DESCRIPTION
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

Optional Software

ITEM CODE	DESCRIPTION
3964B001	VK-64 v2.1 Network Video Recording Software
3964B002	VK-16 v2.1 Network Video Recording Software
3964B003	VK-Viewer v2.1: 1 License for VK64/16
3964B004	VK-Viewer v2.1: 5 License for VK64/16
3331B001	VK-Lite additional license

VB-C500D OPTIONAL ACCESSORIES

1. **SR500-S-VB** Recessed Mounting Kit (3935B001) *camera not included

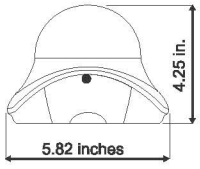
2. **PA-V17** AC Adpater (2245B001)

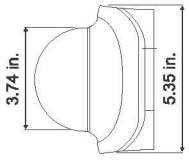
3. **WP500-VB** Power Interface Cable (3939B001)

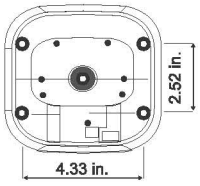
4. **WA500-VB** Audio Interface Cable (3936B001)

5. **WC500-VB** I/O Interface Cable (3938B001)

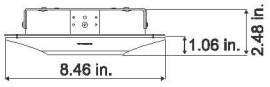
VB-C500D DIMENSIONS

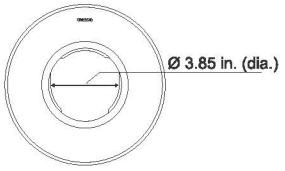


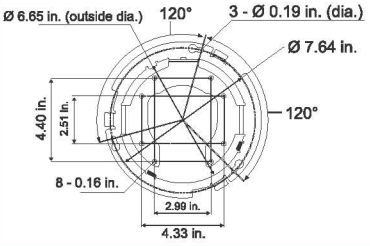




SR500-S-VB IN-CEILING KIT DIMENSIONS (OPTIONAL)







All prices, specifications, and availabilities subject to change without prior notice.

Canon is a registered trademark of Canon Inc.
IMAGEANYWARE is a trademark of Canon.

MPEG-4
NOTICE ABOUT THE MPEG-4 VISUAL STANDARD: THIS PRODUCT IS LICENSED UNDER THE MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO (I) ENCODING VIDEO IN COMPLIANCE WITH THE MPEG-4 VISUAL STANDARD ("MPEG-4 VIDEO") AND/OR (II) DECODING MPEG-4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGEDIN A PERSONAL AND NON-COMMERCIAL ACTIVITY. NO LICENSE IS GRANTED OR SHOULD BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION INCLUDING THAT RELATING TO PROMOTIONAL, INTERNAL AND COMMERCIAL USES AND ADDITIONAL LICENSING MAY BE OBTAINED FROM MPEG LA, LLC. SEE HTTP://WWW.MPEGLA.COM.

Canon
imageANYWARE

1-800-OK-CANON
usa.canon.com/ipcameras

Canon U.S.A., Inc.
One Canon Plaza
Lake Success, NY 11042 U.S.A.

Canon Canada, Inc.
6390 Dixie Road
Mississauga, Ontario L5T 1P7 Canada

usa.canon.com/ipcameras

©2009 Canon U.S.A., INC. 0132W995 3/09 PRINTED IN U.S.A.