Canon

Competitor: (42° horizontal field of view)

VB-C500D (82° horizontal field of view)

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

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

Shown with optional SR500-S-VB Recessed Mounting Kit

DiG!C NET

SSC Smart Shade Control

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

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.

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

Smart Shade Control: Off   *Smart Shade Control: On*

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

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

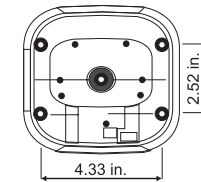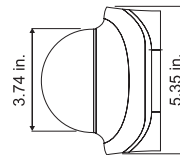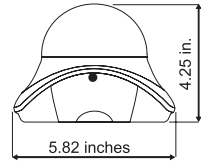| ITEM CODE	DESCRIPTION
2245B001	PA-V17: AC Adapter (WP500-VB also required)
3939B001	WP500-VB: Power Interface Cable
3936B001	WA500-VB: Audio Interface Cable
3938B001	WC500-VB: I/O Interface Cable
3935B001	SR500-S-VB: Recessed Mounting Kit

Optional Software

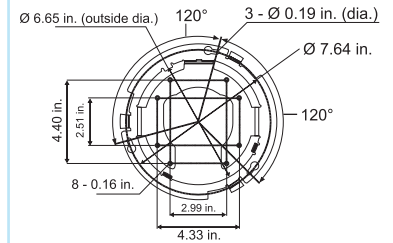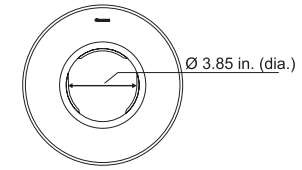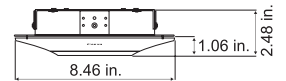| ITEM CODE	DESCRIPTION
3964B001	VK-64 v2.1 Network Video Recording Software
3964B002	VK-16 v2.1 Network Video Recording Software
3964B003	VK-Viewer v2.1: 1 License for VK64/16
3964B004	VK-Viewer v2.1: 5 License for VK64/16
3331B001	VK-Lite additional license

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

4.25 in.

5.82 inches

3.74 in.

5.35 in.

2.52 in.

4.33 in.

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

2.48 in.

1.06 in.

8.46 in.

Ø 3.85 in. (dia.)

Ø 6.65 in. (outside dia.)   120°   3 - Ø 0.19 in. (dia.)

Ø 7.64 in.

4.40 in.

2.51 in.

120°

8 - 0.16 in.

2.99 in.

4.33 in.

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usa.canon.com/ipcameras