

Canon

VB-C300

WIDE ANGLE PTZ NETWORK CAMERA



Interlaced scan

Progressive Scan
(VB-C300)



VB-C300 can be used upright, on the ceiling, or in an optional ultra-compact ceiling dome.

Domes are available in smoke and clear. Domes sold are separately.



VB-C300 wide angle lens compared to the VB-C50i zoom lens.

Wide Angle Lens:

- The new VB-C300 features a genuine Canon auto focus lens boosting a wide 70° horizontal angle of view with a 360° viewing angle.

- Ultra-wide coverage with remote control pan / tilt / zoom. (Pan: $\pm 170^\circ$, Tilt: $-25^\circ / +90^\circ$, $+25^\circ / -90^\circ$ (Reverse Mode), and 2.4x Optical Zoom).

- Stylish, extremely compact with an unobtrusive design.

Auto Day & Night Mode:

- Auto Day & Night Mode allows the VB-C300 to automatically switch from color video capture in daylight conditions to light sensitive black & white video capture in dark conditions.

- The VB-C300 offers excellent low-light performance able to capture 30fps color video with as little as 1 lux of illumination without reducing frame rate.

- Images are clear and noise free thanks to a high sensitivity CCD.

Auto Focus:

- Objects in the foreground and background are in focus during panning, tilting, or zooming.

PoE (Power over Ethernet):

- 802.3af Compliant.
- Receive both data and power through a single Ethernet cable.

Two-way Audio:

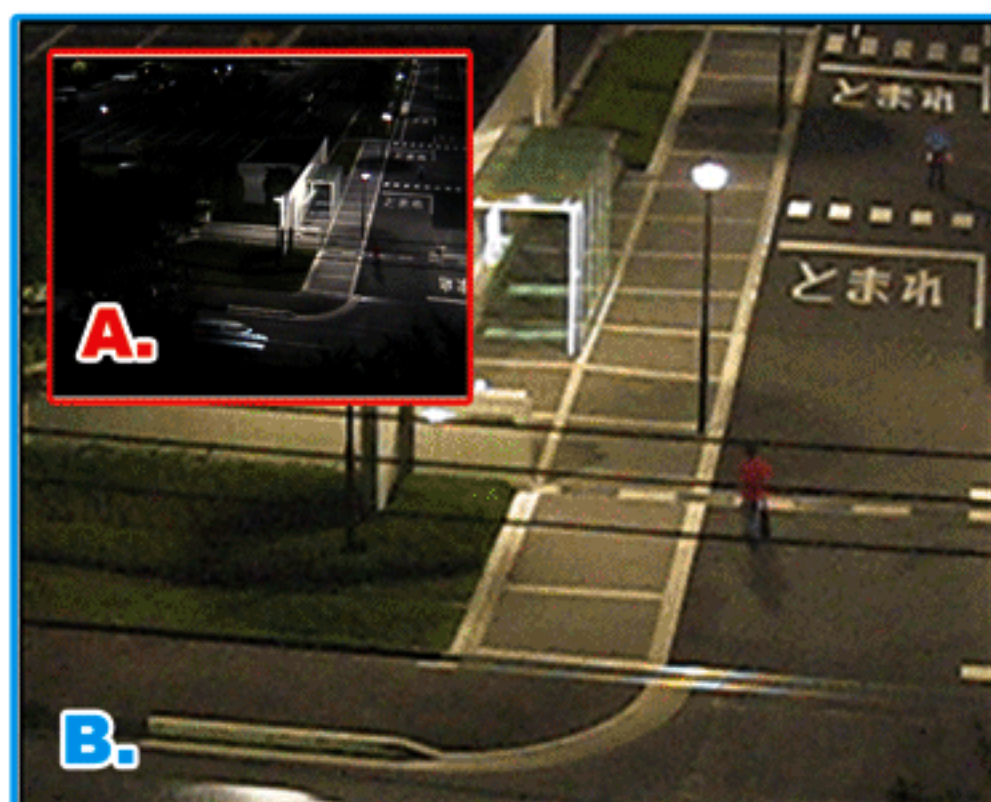
- Simultaneous two-way audio. Speak and listen at the same time.

Networking:

- Built-in Network Server provides viewing up to 15 clients simultaneously.
- Built-in terminals for connection to external devices.

Video:

- Smooth, high-quality, progressive scan video for clear images of even fast moving subjects.



A. Low-light video in black and white

B. 30fps captured video with as little as 1 lux of illumination.





VB-C300

WIDE ANGLE PTZ NETWORK CAMERA

PRODUCT CODE	VB-C300
ITEM CODE	1867B002AA
UPC CODE	013803078046

SPECIFICATIONS	
Video Signal	Conforms to NTSC
Image Sensor	1/4-inch CCD (primary color filter)
Number of Pixels	NTSC use: 340,000 (effective 680,000)
Scanning Method	Progressive Scan
Min. Subject Illumination	Day Mode: 1 Lux (F2.0, color, 1/30 sec.) Night Mode: 0.25 lux (F2.0, monochrome, 1/30 sec.) When using the Indoor Dome Housing (Optional) VB-RD41S-S (smoked) Day Mode: 2 Lux (F2.0, color, 1/30 sec.) Night Mode: 2 lux (F2.0, monochrome, 1/30 sec.)
Imaging Modes	Day mode/Night mode
Focusing	Day mode: 0.3m (11.8 in) / Night mode: 0.6m (23.6 in) for Auto/Manual focusing at wide/telephoto ends
Aperture	Auto iris servo system
Lens	f= 3.0 to 7.2mm / F2.0 to 3.4 / 2.4 x power zoom (shooting at infinity)
Viewing Angle	Horizontal= 70.8° (W) to 29.6° (t) Vertical= 51.6° (W) to 22.1° (t) *including distortion
Pan Angle Range	340° (±170°)
Tilt Angle Range	Upright position= 115° (-25° to 90°) Inverted=115° (-90° to 25°)
Moving Rate	Pan= Max. 90° / sec. Tilt= Max. 70° / sec.
Infrared Cut Filter	Power-driven insertion/removal (Day mode/Night mode)
White Balance	TTL method: Auto / Manual preset / One-shot
Protocols	HTTP, DHCP, WV-HTTP (from Canon)
Video Compression Method	Motion-JPEG compression (movie) JPEG (still image)
Video Compression Rate	NTSC: 0.1fps-30fps
Audio Compression Method	G.711μ-law(64kbps) full duplex
Output Video Size	160 x 120, 320 x 240, 640 x 480
Camera Control	Pan, tilt, zoom, brightness, shutter speed, focus speed, white balance
Connection Controls	Access Control (with password), number of concurrent connections (max. 15)
Main Unit Interface	Network: LAN x 1 (RJ45, 100Base-TX/10Base-T auto-negotiation) AUDIO IN/OUT: Ø3.5 monaural. mini-jack IN: Connection to a microphone with amp and LINE output x 1 OUT: Connection to a speaker with amp x 1 VIDEO OUT: Ø3.5 monaural. mini-jack Video composite signal output from network camera (for maintenance) x 1 External Device I/O: Input x 2, Output x 1
Dimensions	Approx. 47.9 in (H) x 51.9 in (W) x 51.1 in (D) (Main unit only, excluding rubber feet and ceiling bracket)
Weight	Approx. 1.7 lb Approx. 2.15 lb *For ceiling mount (including ceiling bracket and ceiling mount cover)
Operating Environment	Temperature -10-45°C, humidity 20-85% RH (condensation free)
Power	Capable of PoE power supply via LAN connector (in accordance with IEEE802.3af compliant) 24VAC /12VDC, (using the Supplied Connector, *no polarity) AC adapter for 100VAC to 240 VAC (PA-V17)
Power consumption	Max: Approx. 10W (PoE) Max: Approx. 13W (AC adapter)

AC ADAPTER (optional)	
Model	PA-V17
Input	100-240 VAC 50/60 Hz
Output	13 VDC 1.8 A (max.) Temperature: -10°C to 35°C, Humidity: 20 to 85%RH (condensation free) When using the network camera 13 VDC 1.0 A (max.) Temperature: -10°C to 45°C, Humidity: 20 to 85%RH (condensation free)
Polarity	Exterior (-) Interior (+)
Dimensions	58 x 188 x 25mm (2.28 x 4.65 x 0.98 in.) (W x D x H) (Excluding attachments)
Weight	Approx. 0.474 lb (excluding cables)
INDOOR DOME HOUSING (optional)	
Model	VB-RD41S-C / VB-RD41S-S
Type	Clear / Smoke type
Using environment in combination with the camera	Temperature 0-45°C, humidity 20-85% RH (condensation free)
Dimensions	7.09 in (4.43 in: dome) x 3.21 in (H) *Including ceiling portion: 5.77 in (H)
Weight	Approx. 0.820 lb (Excluding the VB-C300)

CONTENTS OF KIT:

VB-C300, Ceiling Bracket, Ceiling Mount Cover, Screws x4,
Safety Wire, Power Connector, CD-ROM, Rubber Feet, Template, Users Manual

OPTIONAL SOFTWARE:

Item Code:	Description:
9513A028	VK-64 Software Ver 1.3
9513A029	VK-16 Software Ver 1.3
9513A030	VK-Viewer (1) License
9513A031	VK-Viewer (5) Licenses

OPTIONAL ACCESSORIES:

Item Code:	Description:
2112B001AA	(VB-RD41S-S) Indoor dome housing smoke
2112B004AA	(VB-RD41S-C) Indoor dome housing clear
2245B001AA	PA-V17 AC Adapter

PACKAGING INFORMATION:

W x D x H	Weight
7.87 x 8.54 x 8.47 in (200 x 217 x 215mm)	3.53 lbs 1.6kg

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