

you can  
**Canon**

## **VB-C300** NETWORK CAMERA

Total coverage of  
all your surveillance and  
monitoring requirements

VB-C300

The VB-C300 features a wide-angle Canon AF lens with a 70° field of view and 2.4x zoom. Progressive scan, excellent low-light performance and audio support make it perfect for surveillance and monitoring applications. Optional dome housing adds further reliability.



**2.4x**  
Optical Zoom

**340° pan**  
**115° tilt**

**Up to**  
25 frames/sec

**Progressive Scan**

**Two-way**  
Audio

**Power**  
over Ethernet



### **WHAT'S IN THE BOX**

VB-C300 Network Camera, Ceiling Mounting Plate, Camera Skirt for Ceiling Installation, Screws x 4, Anti-Fall Safety Wire, Power Connector, Rubber Feet, Mounting Template, Setup CD-ROM, Instruction Manual, Quick Guide.

### **KEY FEATURES**

- Canon wide-angle auto focus lens with 70° field of view
- Ultra-wide coverage with remote PTZ control (340° pan, 115° tilt, 2.4x zoom)
- Smooth, progressive scan video at 25 frames/sec for crystal clear images of moving subjects
- Exceptional low light performance: Colour images as low as 1 lux and Auto Day/Night Modes
- Full duplex audio support: transmit live audio to and from the camera site
- Compatible with Power over Ethernet (PoE) for easy and cost-effective installation
- Built-in terminals for connection to external sensors and alarms
- Three installation options: upright, inverted, or in optional ceiling dome

### **DIMENSIONS (W x H x D)**

132 x 122 x 130 mm

### **WEIGHT**

780 g (975 g with ceiling mounting hardware)



# VB-C300

## NETWORK CAMERA

### Specifications

<b>IMAGE SENSOR</b>	Type 1/4" CCD with primary colour filter
Number of Pixels	310,000 effective
Video System	PAL
Scanning System	Progressive
<b>OPTICS</b>	
Zoom Magnification & Control	2.4x Powered Zoom (at infinity focus)
Focal Length	3.0mm (wide) – 7.2mm (telephoto)
Horizontal Field of View	70.8° (wide) – 29.6° (telephoto)
Lens F-Number	f/2.0 – f/3.4
Minimum Subject Illumination	Day Mode: 1 lux (Colour, at 1/30 sec shutter speed) Night Mode: 0.25 lux (Mono, at 1/30 sec shutter speed)
Focus Control	Auto-Focus with Manual override
Focusing Region	Day Mode: 0.3m – infinity Night Mode: 0.6m – infinity
Aperture	Auto Iris Servo System
White Balance	Auto / Manual Preset / One-Shot
Imaging Modes	Day Mode, Night Mode (Auto / Manual / Scheduled)
IR Illuminator Type & Range	-
Backlight Compensation	3 levels
<b>SERVER UNIT</b>	
Video Output Size	640 x 480 / 320 x 240 / 160 x 120 pixels
Frame Rate	0.1fps - 25 fps (max)
Video Compression Method	Motion-JPEG (video), JPEG (still images)
Audio Compression Method	G.711 (64Kbps), Full duplex
Simultaneous Distribution	5 clients at 25 fps / 15 clients (max) at 10 fps
Supported Protocols	HTTP, DHCP, WV-HTTP (Canon)
Internal Memory Buffer	None
Motion Detection / Auto Tracking	Not supported
Shade Correction	Supported via software

<b>CONNECTORS</b>	Network Interface RJ-45 Ethernet, 10/100TX Auto-Negotiation
Composite Video Output	3.5mm mini-jack
Audio Input (Line In)	3.5mm mini-jack
Audio Output (Line Out)	3.5mm mini-jack
External Devices	6-pin multi-connector: 2 x Inputs / 1 x Output
<b>MECHANISMS</b>	
Pan Angle Range	340° (-170° to +170°)
Tilt Angle Range	115° (-25° to +90°)
Maximum Rotation Speed	Pan: 90° per sec / Tilt: 70° per sec
Infrared Cut Filter	Power-driven insertion and removal (Day / Night Modes)
Preset Positions	20 preset positions (Pan, Tilt, Zoom)
<b>RATINGS</b>	
Dimensions (W x H x D)	Network Camera: 132mm x 122mm x 130mm AC Adaptor: 58mm x 25mm x 118mm
Weight	780g / 975g with ceiling mounting hardware
Power over Ethernet Compatible	Yes (Conforms to IEEE 802.3af)
Power Sources	12V DC or 24V AC (via supplied two-pin connector) / 100V – 240V AC, 50/60Hz (via optional AC Adaptor)
Power Consumption	10W Max (on PoE) / 13W Max (on AC Adaptor)
Operating Environment	Temperature: -10°C to +45°C, Humidity: 20% to 85% RH

All data is based on Canon's standard testing methods. This Leaflet and the specifications of the product have been developed prior to the date of product launch. Specifications are subject to change without notice. ™ and ©: All company and/or product names are trademarks and/or registered trademarks of their respective manufacturers in their markets and/or countries

### Connectivity



- 1 **Molex 2-pin Connector** 12V-13V DC / 24V AC
- 2 **RJ-45 Jack** 10/100TX Ethernet Network, PoE Compatible
- 3 **Audio Input (Line level)** 3.5mm mini-jack
- 4 **Audio Output (Line level)** 3.5mm mini-jack
- 5 **Composite Video Output** 3.5mm mini-jack
- 6 **6-way bare-wire terminals** 2 x Sensor inputs; 1 x Alarm output

#### OPTIONS

Accessories	Mercury Code	EAN Code
VB-RD41S-C Recessed Ceiling Mount Dome Kit (Clear)	2112B004AA	4960999453279
VB-RD41S-S Recessed Ceiling Mount Dome Kit (Smoked)	2112B001AA	4960999453248
Network Video Recorder VK-64 V2.0	3099B001AA	4960999614205
Network Video Recorder VK-16 V2.0	3099B002AA	4960999614168
AC Mains Power Adapter PA-V17 (E)	2245B002AA	4960999480190

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