

VB-C50Fi fixed network camera / server

The network camera you'll want to be seen

- 26x optical zoom. 12x digital zoom
- 768 x 576 pixel image quality
- 340K effective pixel CCD
- high-speed DIC2SK signal processor
- superior low light sensitivity

The VB-C50Fi is not only Canon's most stylish network camera, it's also its most feature-packed. This sophisticated camera and server combination brings together the best in Canon optics, digital video and network technology in one compact package, ideal for even the most stylish space.

Versatile, low cost monitoring and webcasting

Connecting directly to a network, the VB-C50Fi transmits live video footage over the Internet and local area networks to up to 50 viewers. With convenient mounting holes on the top and bottom that enable you to mount it on a wall, within a ceiling dome, or on a tripod, the versatile VB-C50Fi is a low cost option for either surveillance or webcasting applications that don't require pan-tilt control.

26x optical zoom

The impressive zoom range of the VB-C50Fi means that it can capture detailed images from almost any location. The 26x optical zoom lens boasts the widest focal length range in its class. Combined with a 12x digital zoom, you get wide coverage and the ability to zoom in fast. The quick auto-focus feature ensures a clear picture as you zoom in and out.

Canon precision video

The VB-C50Fi comes equipped with an advanced quarter-inch CCD image sensor, producing 340,000 effective pixels at 25 frames per second for exceptional responsiveness, excellent light sensitivity and sharp images.

Superior low light sensitivity

If you need a camera for an extreme, low light situation, the VB-C50Fi is for you.

At a shutter speed of 1/30th of a second, it captures colour images in as little as one lux of illumination, so you can clearly see what's going on.

Automatic motion detection and notification

You can set the VB-C50Fi to detect motion in four areas at once, within the camera's field of view. Sensitivity, area ratio and duration of detected motion can be set independently for each area, even if they overlap.

For added convenience, you can schedule automatic detection by week, date, time, motion detection and more, with the option of being notified by email when an event occurs. You can also set 10 zoom position pre-sets as part of a scheduled tour, so you only capture what's important to you.



Other features

- Shade correction ensures subjects in the foreground and background are clearly visible
- Backlight control for greater control of exposure in difficult light
- Simultaneous multi-stream video transmission lets a viewer choose the resolution that's best
- 15MB of RAM for temporary storage of video footage and automatic download of extra footage

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Specifications

CAMERA UNIT	
Video Signal	Conforms to PAL (Output image when connected to VB-EX50)
Image Sensor	1/4-inch CCD
Number of Pixels	400,000 (effective: 740,000)
Lens	f=3.5 - 91.0mm F 1.6 - 4.0 26x power zoom (shooting at infinity)
Lens Filter Diameter	37mm pitch=0.75mm
Focusing	Auto/Manual Wide-angle: 0.01m to inf. Telephoto: 1.6m to inf. Wide-angle: 0.02m to inf. Telephoto: 2.3m to inf. with night mode
Horizontal Field of View	42° (W) x 1.7° (T)
Minimum subject illumination	Normal mode: 1lux (at 1/30 sec.)
Imaging Mode	Normal/Night mode (manual or schedule-based switch)
Infrared Cut Filter	Power-driven insertion/removal (normal mode/night mode)
Backlight Compensation	3 levels
SERVER	
Protocol	TCP/IP, HTTP, DHCP, FTP, WebView (Canon original)
Video Compression Method	Motion-JPEG (for video), JPEG (for still pictures)
Image Sizes	768x576/384x288/192x144 (PAL)
Video Quality	10 levels
Max. Capture Frame Rate	25fps (768x576)
Traffic Control	0.1fps - 25fps (variable)
Simultaneous Client Access	50
Access Control	Password
Connection Restrictions	Access control (password), video connection time, service time, max. number of simultaneous connections (up to 50)
Camera Control	Yes (exclusive control, control time restriction, number of waiting clients)
Preset	10 positions Preset Tour, Home Position Function, View Restriction, Motion Detection, Shade Correction
Recording	
Memory for Recording:	RAM (Approx. 15MB)
Email with image:	Yes
Pre-event:	Configurable 1-10fps up to 10 sec.
Between Events:	Configurable to 1fps when motion detected
Post-Event:	Configurable 1-10 fps up to 10 sec.
Schedule-based:	1fps per second (Max.)
Display/Control of pictures:	External PC (using the bundled VBCollector)
VIEWER	
Optional	Network Video Recorder VK-64/ VK-16 v1.1 WebView Livescope MV/LEV2.1 (Limited Edition) Viewer for Pocket PC (Limited Edition)

INTERFACE	
Network	Ethernet1 (RJ45, 100Base-TX/10Base-T auto negotiation)
Multi-connector	Connector for Multi-Terminal Module VB-EX50 (option)
CONNECTION WITH EXTERNAL DEVICES	
Number of External I/O devices	IN: 2/OUT:3 (using the optional Multi-Terminal Module VB-EX50)
Recording Trigger	Schedule, motion detection, external device input sensor
Contact Output Method	Linked with External device input sensor or motion detection/manual
Operating Environment	Temperature 0-40°C, Humidity 20-85% RH (condensation free)
Dimensions	66.2(W) x 134.2(D) x 97.0(H) (excluding attachments)
Weight	Approx. 480g
Power Supply	AC240V±10% using the supplied AC Adapter, Camera Unit: DC13V 1.8A (Max)
Power Consumption	Max. 25W
SUPPORTED PC	
OS <required>	Windows 2000 (SP4)/ Windows XP (SP1a, SP2)
Web Browser <required>	Microsoft Internet Explorer 6.0 (SP1, SP2), (Netscape 7.1 or 7.2 available with the Viewer for Java)
JavaVM (Viewer for Java)	MSVM Release 5.0.0.3810 (Java VM provided by Microsoft) or Java Plug-in 1.4.2 (Java VM provided by Sun Microsystems)
Network	Built-in Network Card (10/100Mbps)
Hard Disk (for VBCollector)	20GB HDD or greater (NTFS formatted)
BUNDLED SOFTWARE	
	VB Initial Setup Tool (v2.0), VB Administration Tools (v2.1), Viewer for PC, Viewer for Java (v3.6), VBCollector (v2.1)

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Wide angle lens WL-37



Multiterminal VB-EX50

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