

## Keep an Eye on the House from Anywhere over the Internet!

Do you sometimes worry about things at home while you're at work or on vacation? Panasonic network cameras let you monitor your room over the Internet from wherever you are. They even let you pan, tilt and zoom the cameras by remote control. And you can choose the video format to match the Internet connection and your viewing needs. Let Panasonic network cameras keep an eye on things - anytime, anywhere - so you can relax and enjoy yourself.



Home monitoring

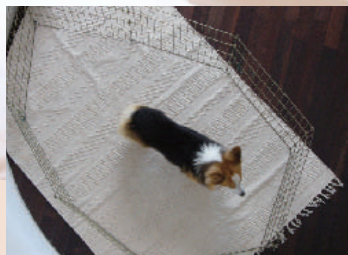
Monitoring various locations



Kid's room



Terrace



Pet activity

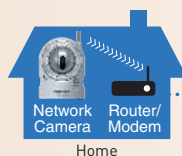


BL-C131

**See There**  
When You Can't Be There™

### System Diagram

Panasonic network cameras support UPnP and DDNS, so it's easy to set up the network and access cameras over the Internet with an ID and password.



# Feel Safer with Panasonic



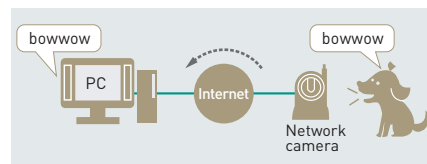
BL-C111 BL-C131

## ENTRANCE



### Captures suspicious sounds Built-in Microphone

Sounds picked up by the built-in microphone can be heard through the PC. Video monitoring with sound enhances security by providing additional information that images cannot convey.



### Alerting Yourself when Changes Occur

The combination of a built-in human detection sensor that responds to heat and a motion detection function that responds to a preset camera threshold or sensitivity detects even slight motions. Captured images can also be stored temporarily in the camera\*<sup>1</sup> or sent to you by e-mail\*<sup>2</sup> or FTP data transfer\*<sup>3</sup>.

\*1 A maximum of approximately 250 images (320 x 240 pixels) can be stored in the camera.

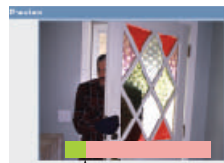
\*2 PDP before SMTP authentication and SMTP authentication (PLAIN LOGIN and CRAM-MD5) are supported.

\*3 The sensor's detection history can also be e-mailed to you once a day at a preset time.

#### Human detection function

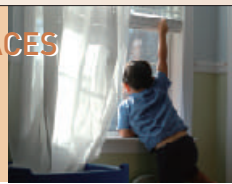


#### Motion detection function



Threshold

## VARIOUS PLACES



### Monitors large rooms entirely Remote Pan/Tilt and Zoom Control

The camera angle can be varied by remote control to monitor over wide areas. You can use the zoom function\* to take a closer look at certain places.

\* This is a digital zoom function and cannot be used from a cell phone.



Pan (display range: 149° max)  
Tilt (display range: 87° max)

#### 10x digital zoom



\*Area is multiplied by 10x.

## PET ACTIVITY



### Enjoy comfortable, versatile monitoring. Simultaneous MPEG-4 and JPEG

Cameras simultaneously send MPEG-4 images in three resolutions (VGA, QVGA, and SCIF), and JPEG images in the same three resolutions in favour motion, standard, and favour clarity image-quality types. MPEG-4 is recommended for viewing smooth motion images, and JPEG is recommended for recording higher quality images.

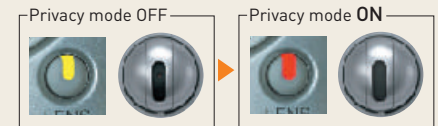


\*Size comparisons are simulated.

## Other Features

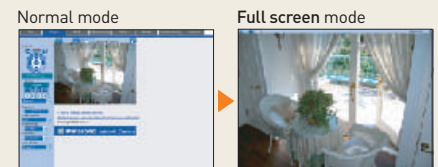
### Privacy Mode

When you return home, just press a button to cover the lens and protect your privacy. System administrators can also do this over the network.



### Full Screen Display

The monitoring image is easier to see because it fills the entire screen.



### Multi-camera capability



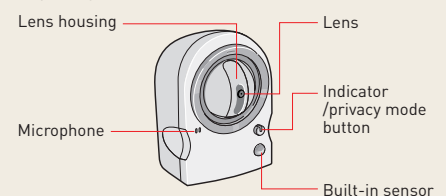
\*Up to 16 windows can be viewed at once

### Cell Phone Monitoring

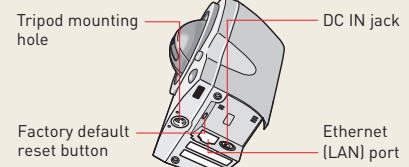


## Part Names

### Front View



### Bottom View



## Specifications [BL-C131/BL-C111]

Server		Camera		Wireless(BL-C131 only)	
Image Compression	JPEG [3 levels], MPEG4	Zoom	10x digital zoom (by area)	Standards	802.11 b/g
Video Resolution	640 x 480, 320 x 240 (default), 192 x 144	Viewing Angle	Horizontal: 49° [total 149°], vertical: 37° [total 87°]	Antenna	Diversity
Image Quality	JPEG (favor clarity, standard, favor motion), MPEG-4	Pan Angle	-50° up to +50°	Number of Channels	13ch. [USA], 13ch. [Others]
Frame Rate*1	Max. 30 frames/sec [640 x 480*2, 320 x 240 or 192 x 144]	Tilt Angle	-40° up to +10°	Transmission Speed	Up to 54 Mbps.
Security	User ID/password	Revolving Speed	Pan: max. 50°/sec Tilt: max. 50°/sec	Security	SSID, WEP [64/128/152 bit], WPA-PSK [TKIP], WPA2-PSK [AES]
Supported Protocols	IPv4 / IPv6 Dual-Stack IPv4: TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, UPnP*, SMTP Authentication, RTP, RTSP, RTCP IPv6: TCP, UDP, IP, HTTP, FTP, SMTP, DNS, ICMPv6, POP3, NDP, NTP, RTP, RTSP, RTCP	Sensor Type	1/6-inch CMOS sensor, approx. 320,000 pixels	Terminal	
		Lens Focal Point	Fixed (focal range: 0.3 m to infinity)	Network Interface	Ethernet (10 Base-T/ 100 Base-TX)
		Lens Brightness	F2.8	General	
User Access Limit	Max. 30 simultaneous accesses	White Balance	Auto/manual/hold	Temperature	Operation: +5°C to +40°C (+41°F to +104°F ) Storage: 0°C to +50°C (+32°F to +122°F )
Buffered Image*3	Approx. 250 images (320 x 240) •standard image quality •with time display	Exposure	Auto	Humidity	Operation: 20 % to 80 % (No Condensation) Storage: 20 % to 90 % (No Condensation)
Image Transfer Method	SMTP*4, FTP, HTTP	Required Light Intensity	10 to 10,000 lux (in colour night view mode: 3 to 10,000 lux)	Dimension (H x W x D)	BL-C111: 98 x 74 x 61 mm (3 7/8 x 2 15/16 x 2 3/8 inches) BL-C131: 98 x 74 x 73 mm (3 7/8 x 2 15/16 x 2 7/8 inches)
Image Buffer/Transfer Triggers	Alarm, timer or motion detection	Audio		Weight (Only the Unit)	BL-C111: 180 g [0.4 lb] BL-C131: 210 g [0.46 lb]
		Audio Communication	Half-duplex one-way communication (transceiver system)	Power Supply	Input 100 - 240 V AC, Output 9 V DC
		Audio Play Method	Play with ActiveX	Consumption	BL-C111: 4.0 W, BL-C131: 6.0 W
		Audio Compression	ADPCM 32 kbps		
		Audio Bandwidth	300 Hz-3.4 kHz		
		Audio Input	Built-in microphone		

\*1 The frame rate may decrease depending on the network environment, PC performance, and image quality.

\*2 For MPEG-4 only. Not applicable to JPEG.

\*3 The maximum number of frames changes depending on the resolution and image quality.

\*4 PDP before SMTP authentication and SMTP authentication (PLAIN LOGIN and CRAM-MD5) are supported.

**Panasonic**

<http://panasonic.co.jp/pcc/products/en/netwcam/>

0.2M0307SP-C111/C131-LT  
All pictures simulated.  
Design and specifications are subject to change without notice.