

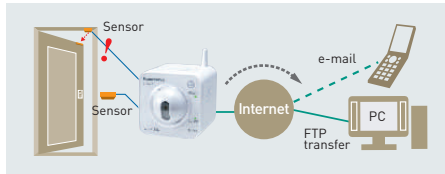
Feel Safer with Panasonic



Connection

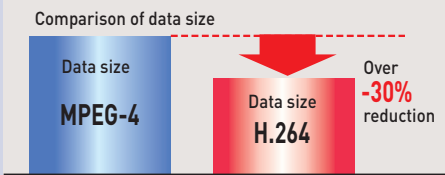
External Input and Output

Sensors and switches can be connected to the camera through two external Input ports and one Output port.



Data transmission / H.264 adopted

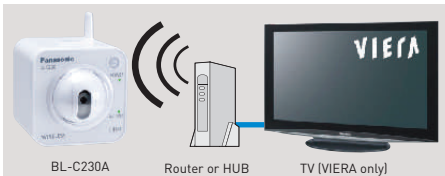
The adoption of H.264/ACV has enabled reduction of data volume by more than 30% compared to MPEG-4 when transmitting data of the same image quality.



Monitor

It is easy to watch

The camera can be connected to a TV (VIERA only) and the image can be viewed on the TV's monitor. The camera can be operated through the TV's remote control, making it simple even for those not used to computers.

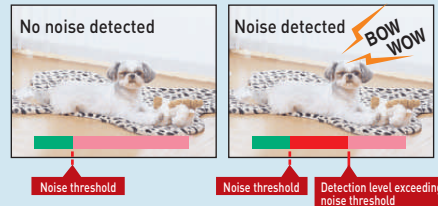


*Compatible Panasonic VIERA TVs
The camera is compatible with the following Panasonic VIERA TVs (as of October 2009).
G10 series, G15 series, V10 series, Z1 series

Capture

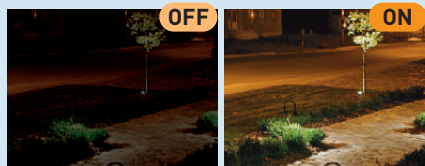
Alerting Yourself when Changes Occur

The camera's built-in microphone collects peripheral noise and when camera detects the noise exceeding the threshold it stores the image captured. This is a newly added function.



Color Night View Mode *1

When the subject darkens, the camera automatically adjusts the brightness to show you the image. You can see clear, easy-to-view images even in the dark.

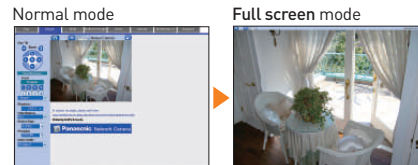


*1 The image tends to blur more than that in standard mode when viewing a moving subject in low light. When viewing a dark subject in color night view mode, spots of white or colored light may appear in the image. Some subjects may require additional time for focusing with the auto focus function.

View

Full Screen Display

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



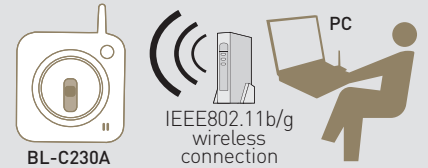
Others

Wireless communication

Install the camera anywhere*1 with no transmission cables to connect, and enjoy high-speed communications at 2.4 GHz, 54 Mbps*2 (IEEE 802.11g) or 2.4 GHz, 11 Mbps*2 (IEEE 802.11b).

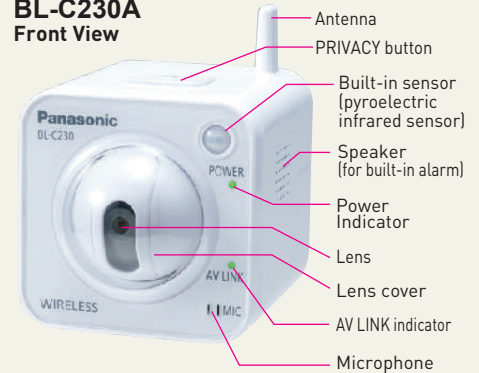
*1 Cannot be used in bathrooms or outdoors.

*2 The indicated speed is the maximum theoretical value of the wireless LAN specification, and does not denote the actual data transfer speed achieved by the cameras.

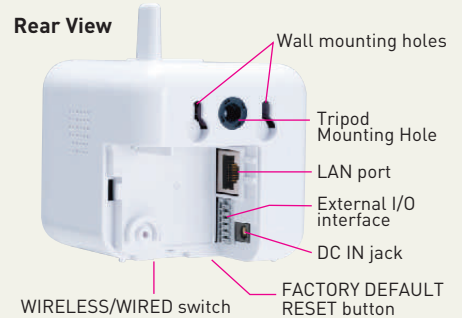


Part Names

BL-C230A Front View



Rear View



Specifications [BL-C230A]

| Network camera | |
|------------------------|--|
| Viewing Angle | 58° horizontal 45° Vertical |
| Pan/Tilt Angle | Pan: -41° to +41°, Tilt: -32° to +10° |
| Sensor Type | 1/4 inch CMOS Progressive Scan, approx. 320,000 pixel |
| Lens focal point | Fixed (focal range: 0.3 m to Infinity) |
| Aperture (F No.) | F2.8 |
| Illuminance | 5-10,000 lx (3-10,000 lx when in Color Night View mode) |
| Terminal | |
| Network interface | Ethernet (10Base-T/100Base-TX) |
| External interface | Input (2) Output (1) |
| Wireless | |
| Communication Standard | IEEE 802.11b, 802.11g, 802.11g exclusive |
| Data Transfer Mode | IEEE 802.11b: Direct Sequence Spread Spectrum (DS-SS) IEEE 802.11g: Orthogonal Frequency Division Multiplexing (OFDM) |
| Frequency Range | BL-C230A: 2.412-2.462 GHz |
| Channel | BL-C230A: 1-11 |
| Security | SSID, WEP [64/128/152 bit], WPA-PSK [TKIP], WPA2-PSK [AES] |

| Server | |
|--------------------------------|--|
| Image compression** | H.264, MPEG-4, Motion JPEG for moving image display |
| Video resolution | H.264: 640 x 480, 320 x 240 MPEG-4: 640 x 480, 320 x 240, 192 x 144 JPEG: 640 x 480, 320 x 240, 192 x 144 |
| Frame rate** | Max. 30 frames/sec. (640 x 480, 320 x 240, 192 x 144) |
| Security | User ID / Password/SSL |
| Supported protocols | IPv4 / IPv6 Dual-Stack IPv4: TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, UPnP, Auto IP, SMTP Authentication, RTP, RTSP, RTCP IPv6: TCP, UDP, IP, HTTP, FTP, SMTP, DNS, ICMPv6, POP3, NDP, NTP, RTP, RTSP, RTCP |
| User access limit | 2/H.264, 4/MPEG-4, 10/Motion JPEG |
| Buffered images | Approx. 1160 images (320 x 240) -Standard image quality -with time display |
| Image transfer method | SMTP*, FTP, HTTP |
| Image buffer/transfer triggers | Timer, Sensor, Alarm 1, Alarm 2, Motion Detection, Sound Detection |

| General | |
|------------------------|---|
| Operating Temperature | Operation: +0°C (+32°F) to +40° (+104°F) Storage: -10°C (+14°F) to +50°C (+122°F) |
| Operating humidity | Operation: 20 % - 80 % (no condensation) Storage: 20 % - 90 % (no condensation) |
| Dimensions(H x W x D) | 74 mm x 74 mm x 101 mm (2 15/16 inches x 2 15/16 inches x 4 inches) |
| Weight (only the unit) | 260 g (0.57 lb) |
| Power Supply | BL-C230A: AC adaptor (order no. PQLV206Y) Input 100-240 V AC, 50/60 Hz Output 9 V DC, 750 mA |
| Consumption | About 4.0 W (7.7 W during pan/tilt scan) |

* When you use more than one(1) PCs to see any moving image by H.264 or MPEG-4, you are requested to buy User License Accessory additionally.

**1 H.264 and MPEG-4 cannot browse at the same time.

**2 The frame rate may slow down depending on the network environment, PC performance, image quality, memory recording, when color night view mode is activated, etc.

**3 The camera supports POP Before SMTP Authentication and SMTP Authentication. PLAIN, LOGIN, and CRAM-MD5 SMTP Authentication are supported. SSL supports SMTP over SSL. STARTTLS is not supported.

Panasonic

<http://panasonic.net/pcc/ipcam>

0911
BL-C2300910A
All pictures simulated.
Design and specifications are subject to change without notice.