Panasonic
ideas for life

Viewnetcam.com
Access www.viewnetcam.com for registration information.

IPv6 READY

* This logo mark is issued by the IPv6 Ready Logo Program Committee, an IPv6 promotion group established mainly by the IPv6 Forum.

Save Your Worries with Remote Monitoring by Panasonic Home Network Camera

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 notify you by e-mail when
they detect moving objects.
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.

Panasonic BL-C210
POWER
MIC

BL-C210

Monitoring various locations

Entrance

Kid's room

Pet activity

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.
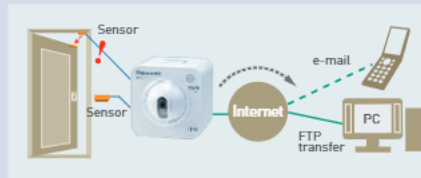
Network Camera
Router/ Modem
Home
INTERNET
Office
Outdoors

Feel Safer with Panasonic

BL-C210

Connection

External Input

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

Sensor

e-mail

Sensor

Internet

FTP transfer
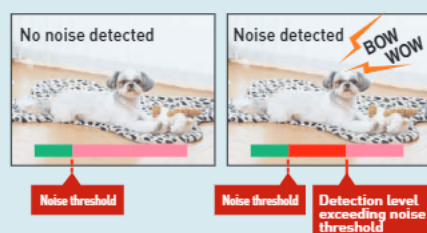
PC

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.

Comparison of data size

Data size
MPEG-4

Data size
H.264

Over -30% reduction
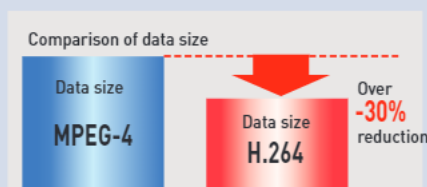
Capture

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.

No noise detected

Noise detected

BOW WOW

Noise threshold

Noise threshold

Detection level exceeding noise threshold

Capture

Turning privacy mode on

With privacy mode you can shut the camera lens and protect yourself from unwanted exposure. Operation is simple - you only need to push the privacy button.

Privacy button

Colour 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.

OFF

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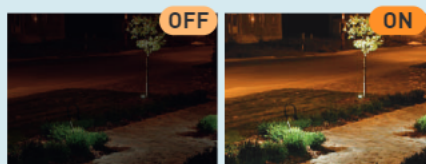
*1 The image tends to blur more than that in standard mode when viewing a moving subject in low light. When viewing a dark subject in Colour night view mode, spots of white or Coloured light may appear in the image. Some subjects may require additional time for focusing with the auto focus function.
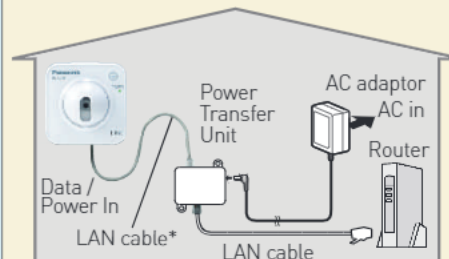
View

Full Screen Display

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

Normal mode

Full screen mode
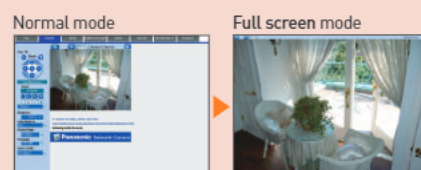
Others

Power supply via LAN cable

The included Power Transfer Unit supplies the camera the power through the LAN cable. It allows you to install the camera anywhere , like on the ceiling where no power outlet is.

Power Transfer Unit

AC adaptor
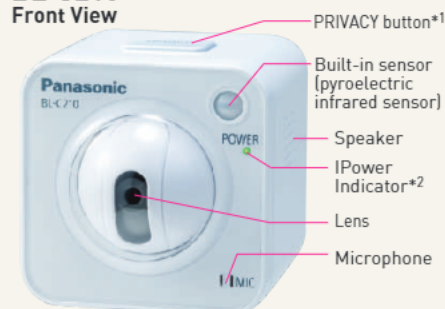AC in

Router

Data / Power In

LAN cable*

LAN cable

*Use a LAN cable that is no more than 30 m (98 feet 5 inches) long to connect the camera and the power transfer unit.
*Use a LAN cable that is no more than 100 m (328 feet 1 inches) long to connect the camera and the router.

Part Names

BL-C210
Front View

PRIVACY button*¹

Built-in sensor (pyroelectric infrared sensor)

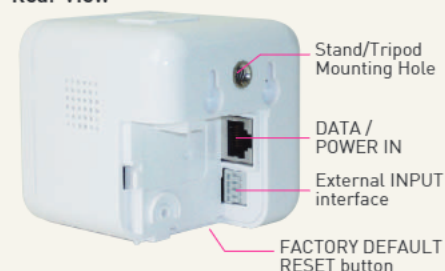Speaker

IPower Indicator*²

Lens

Microphone

*Use a LAN cable that is no more than 30 m (98 feet 5 inches) long to connect the camera and the power transfer unit.
*1 Privacy mode allows you to protect your privacy by hiding the lens inside the camera.
*2 See 1.1 Understanding the Camera Indicator in the Troubleshooting Guide on the CD-ROM for indicator meaning.

Rear View

Stand/Tripod Mounting Hole

DATA / POWER IN

External INPUT interface

FACTORY DEFAULT RESET button

Specifications [BL-C210]

Network camera		Server	
Viewing Angle	58° horizontal 45° Vertical	Image compression*¹	H.264, MPEG-4, Motion JPEG for moving image display
Pan/Tilt Angle	Pan: -41° to +41°, Tilt: -32° to +10°	Video resolution	H.264: 640 x 480, 320 x 240
Sensor Type	1/4 inch CMOS Progressive Scan, approx. 320,000 pixel		MPEG-4: 640 x 480, 320 x 240, 192 x 144
Lens focal point	Fixed (focal range: 0.3 m to ∞)		JPEG: 640 x 480, 320 x 240, 192 x 144
Aperture (F No.)	F2.8	Frame rate*²	Max. 30 frames/sec. (640 x 480, 320 x 240, 192 x144)
Illuminance	5–10,000 lx (3–10,000 lx when in Colour Night View mode)	Security	User ID / Password/SSL
Terminal		Supported protocols	IPv4 / IPv6 Dual-Stack
Network interface	Ethernet (10Base-T/100Base-TX)		IPv4: TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, UPnPTM, Auto IP, SMTP Authentication, RTP, RTSP, RTCP
External interface	Input (2)		IPv6: TCP, UDP, IP, HTTP, FTP, SMTP, DNS, ICMPv6, POP3, NDP, NTP, RTP, RTSP, RTCP
General		User access limit	2/H.264, 4/MPEG-4, 10/MotionJPEG
Operating Temperature	0°C to +40°C (+32°F to +104°F)	Buffered images	Approx. 1160 images (320 x 240) -Standard image quality -with time display
Operating humidity	20 % to 80%		
Dimensions(H x W x D)	74mm x 74mm x 91mm (2 15/16 inches x 2 15/16 inches x 3 9/16 inches)	Image transfer method	SMTP*³, FTP, HTTP
Weight (only the unit)	230 g (1.09lb.)	Image buffer/ transfer triggers	Timer, Sensor, Alarm 1, Alarm 2, Motion Detection, Sound Detection
Power Supply	AC adaptor : input 100 - 240 V AC, Output 9V DC 750mA		
Consumption	AC adaptor: 5.4 W		

*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 Colour 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.

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http://panasonic.net/pcc/ipcam