





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-C210

Connection

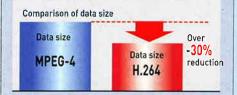
External Input

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



Data transmission / H.264 adopted

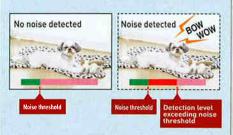
The adoption of H.264/ACV has enabled reduction of data volume by more than 30% compared to MPEG-4 when transmitting data of the same image quality.



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.



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.



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.



*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.

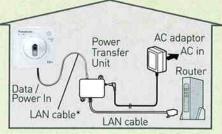




Others

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.



*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



- *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.
- the camera.

 '2 See 1.1 Understanding the Camera Indicator in the Troubleshooting
 Guide on the CD-ROM for indicator meaning.

Rear View



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
Sensor Type	1/4 inch CMOS Progressive Scan, approx. 320,000 pixel	Video resolution	H 264: 640 x 480, 320 x 240
Lens focal point	Fixed (focal range: 0.3 m to ∞)	-	MPEG-4 640 x 480, 320 x 240, 192 x 144 JPEG: 640 x 480, 320 x 240, 192 x 144
Aperture (F No.)	F2.8		
Illuminance	5-10,000 lx (3-10,000 lx when in Colour Night View mode)	Frame rate**	Max. 30 frames/sec. [640 x 480, 320 x 240, 192 x144] User ID / Password/SSL
Terminal		Security	
Network interface	Ethernet (10Base-T/100Base-TX)	Supported protocols	IPv4 / IPv6 Dual-Stack IPv4 TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, UPnPTM, Auto IP,
External interface	Input (2)		
General			SMTP Authentication, RTP, RTSP, RTCP IPv6: TCP, UDP, IP, HTTP, FTP, SMTP, DNS, ICMPv6.
Operating Temperature	0°C to + 40°C +32°F to +104°F)		POP3, NDP, NTP, RTP, RTSP, RTCP
Operating humidity	20 % to 80%	User access limit	2/H 264, 4/MPEG-4, 10/MotionJPEG
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	Buffered images	Approx. 1160 images (320 x 240) -Standard image quality -with time display
Weight (only the unit)	230 g [1,09lb.]		
Power Supply	AC adaptor : input 100 - 248 V AC, Output 9V DC 750mA	Image transfer method	
Consumption	AC adaptor: 5,4 W	Image buffer/ transfer triagers	Timer, Sensor, Alarm 1, Alarm 2, Motion Detection, Sound Detection

- *1 H 264 and MPEG-4 cannot browse at the same time
- *2 The frame rate may stow 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.







Home Network Cameras
Wired Type **BL-C101**Wireless Type **BL-C121**Indoor Use Only

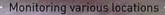




Keep an Eye on the House from Anywhere even over the Cell phone!

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.







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 IO and password.









Feel Safer with Panasonic





Installation

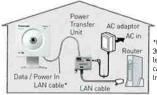
External I/O

The external I/O is connectable to various sensors and switches, which can be interlocked with the cameras. (Note: For BL-C101 only input connector is available)



Power Supply via LAN cable (BL-C101)

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.



*Use LAN cable of length 30m (98 feet 5 inches) or less to connect the camera and the power transfer unit

Wireless Communication (BL-C121)

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

Connect

SSL support

Image/voice data is sent in encrypted form, making it very difficult for someone else to "eavesdrop" on the network,



Control

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 Microphone information that images cannot. convey.





Capture

Motion Detection Function

This function detects changes by reacting to a camera threshold or sensitivity that is set in advance on the PC. Captured images can also be stored temporarily in the camera*3 or sent to you by e-mail*4 or FTP data transfer*5.

- *3 A maximum of approximately 250 images (320 x 240 pixels) can be stored in the camera. *4 POP before SMTP
- authentication and SMTF authentication (PLAIN, LOGIN and CRAM-MD5) are supported.
- *5 The sensor's detection history can also be e-mailed to you once a day at a preset time.





Detection Notification Sound

While viewing MJPEG images on the single or multi-camera screens, your computer can play a sound to notify you when motion is detected or the external sensor is triggered. This feature can be set independently on each computer that accesses the camera.



Monitor

Simultaneous MPEG-4*6 and JPEG

Cameras simultaneously send MPEG-4*6 images and JPEG images.

MPEG-4 is recommended for viewing smooth motion images, and JPEG is recommended for recording higher quality images.

*6 MPEG-4 is not applicable on a cell phone

MPEG-4 Visual License
When installing the MPEG-4 viewer program on additional PCs, please purchase additional licenses. (Model No. BB-HCA5A for USA, BB-HCA5CE for others)

Full Screen Display

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



Full screen mode



Multi-camera capability



Cell Phone Monitoring



*Up to 16 windows can be viewed at once

Part Names (The picture is BL-C121.)



- *1 Available only for BL-C121 *2 For BL-C101 power is also supplied via LAN cable *3 For BL-C101 only input connector is available.

	BL-C121	BL-C101
Camera		
Zoom	10x digital zoom (by area)	
Viewing angle	58" horizontal, 45" vertical	
Sensor Type	1/4 inch CMOS sensor, approx. 320,000 pixels	
Focus	Fixed (focal range: 0.3 m to)	
Aperture IF No.1	F2.8	
Required light intensity	5 to 10,000 lx 3 to 10,000 lx in color night view mode	
Scanning system	Progressive scan	
Audio		
Audio communication	One-way com	munication
Audio compression	ADPCM 32 kbps	
Audio bandwidth	300 Hz - 3,400 Hz	
Audio input	Built-in microphone	
Audio output	N/A	
Terminal		
Network interface	Ethernet [10Base-T / 100Base-TX]	
External I/O connector	Input 1 Dutout 1	

	BL-C121	BL-C101
Server		and the same of th
Image compression	JPEG [Motion JPEG for moving image display], MPEG-4	
Video resolution	640 x 480, 320 x 240 Idefault), 192 x 144	
Image quality	JPEG (favor clarity, standard, favor motion), MPEG-4	
Frame rate*1	Max. 30 frames/sec*2 (AC Power source Frequency is 60 Hz) Max. 25 frames/sec*2 (AC Power source Frequency is 50 Hz)	
Security	User ID / Password, SSL	
Supported protocols	IPv4/IPv6 Dual-Stack	
	IPv4: TCP, UDP, IP, HTTP, FTP, SN	TP, DHCP, DNS, ARP, ICMP, PDP3,
		RTP, RTSP*3, RTCP, HTTPS, SSL, TLS
		FTP, SMTP, DNS, ICMPv6.
	POP3, NOP, NTP RTP, RTS	P*3, RTCP, HTTPS, SSL, TLS
User access limit	HTTP: Max. 30 simultaneous accesses [max. 10 accesses in MPEG-4 modi	
Buffered Images**	Approx. 250 images [320 x 240] -Standard image quality -with time display	
Image transfer method	SMTP*1, FTP, HTTP	
Image huffer/transfer trianers.	Alatas Timor av Making Platestics	

Specifications [BL-C101 / 121]

	BL-C121CE /E: 13ch (1-13)	-
Transmission speed	Up to 54 Mbps	
Security	SSID, WEP (64/128/152 bit), WPA-PSK (THIP), WPA2-PSK (AES)	IZ.
General		
Operating Temperature	+5°C to +48°C (+	41°F to +104°FI
Operating humidity	20 % to 80 % (No condensation)	
Dimensions (H x W x D)	85 x 85 x 35.5 m/n [3 3/8 x 3 3/8 x 1 3/8 inch]	85 x 85 x 27 mm (3 3/8 x 3 3/8 x 1 1/16 inch)
Weight [only the unit]	140 g (0.31tb.)	100 g (0.22 lb)
Power supply	AC adaptor: input 100 - 248 V AC.	50/60 Hz Output 9V DC_750 mA
Power supply via Power Transfer Unit	N/A	Yes [proprietary PoE]

BL-C121

IEEE 802,116, 802,116/g, 802,11g exclusi BL-C121A: 11ch [1-11]

- *1. The frame rate may slow down depending on the network environment, PC performance, image quality, when viewing dark images, etc.
 *2: Not applicable to 640 x 480 JPE6.
 *3: Only still images in JPEG format can be displayed on a mobile phone.

 *4: The maximum number of images that can be buffered depends on image resolution and image quality.
 For information about MPEG-4 image capacity, see the Panasonic Network Camera website at http://panasonic.net/pcc/support/netwicen/support/info.html.

 *5: POP Before SMTP Authentication and SMTP Authentication (PLAIN, LOGIN, and CRAM-MDS) are supported.

Maximum Power Consumption | 6.8 W (During wireless communication)

BL-C101

Panasonic ideas for life

Network Camera Indoor Use Only BB-HCM701 Indoor Use Only BB-HCM705

*AC adaptor is sold separately

HCM 403A







View Places That You Couldn't **Even See Before BB-HCM705**

BB-HCM701 and BB-HCM705 are highly compact network cameras that are only about 60% of the size of existing model. Thanks to their compactness, these models are inconspicuous and blend in well with the installation surface. They can be mounted on walls as well as ceilings. A wall-mounted camera can offer a more natural view as compared to an overhead position because the viewing angle is closer to that from the human eye.

These cameras can help you to seize business opportunities with their capability to eliminate gaps in time and distance thereby contributing to "Zero Distance Management".

When You Can't Be There



Waiting room



Entrances



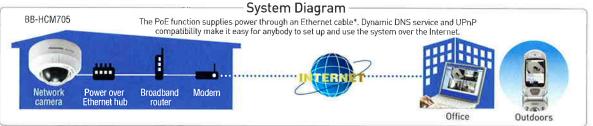
Lobby







It allows safe, smooth, economical business management that is totally free from conventional distance and time limitations.



Achieving Zero Distance Management with a Variety of Functions





Capture

Megapixel Cameras (*BB-HCM705 only)

Mega pixel and higher image quality

Resolution has been improved to 1280 x 960 pixels, enabling rendering of finer detail. VGA (Video Graphics Array) quality has also been improved.

Megapixel image quality comparison of



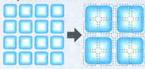


New model: BB-HCM705 (VGA)

2x2 Pixel Binning (*BB-HCM705 only)

2 x 2 pixel binning treats four adjacent pixels as one virtual pixel, thereby increasing camera sensitivity, and improving viewability in low light conditions.

4-pixel summation function *This function cannot



be used with 1280 x 960 display resolution *The ON/OFF setting of this function is fixed and cannot be switched over automatically

Image quality comparison





[with 4-pixel summation function ON] (standard mode)

BB-HCM705

Capture

Sound and Shock **Detection Function**

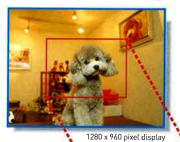
When the camera reacts to a sound or shock, camera temporarily saves or transfers the image.



Control

EX Zoom (*BB-HCM705 only)

Although not equipped with optical zoom, these models have an EX Zoom [EX is supposed to stand for "excellence"] function. This allows high image quality during VGA (Video Graphic Array) display with the use of 1280 x 960 pixel image.



This allows high image quality during VGA (Video Graphic Array) display

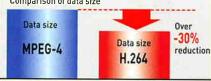


Connect

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



Installation

Highly compact

Models BB-HCM701/705 are about 60% of the size of existing model, BB-HCM527, and therefore much more compact. Thanks to their compactness, these models are inconspicuous and blend in well with the installation surface.



Ceiling Flush mount Bracket

These models can be flush-mounted on ceilings. Compact and ceiling-mountable, cameras blend in with the installation surface with minimum protrusion



Ceiling flush-mount bracket

Part Names



*1 See 1.1 Understanding the Camera Indicator in the Troubleshooting Guide on the CD-ROM for indicator meaning.

Specifications [BB-HCM701 / BB-HCM705] BB-HCM705 BB-HCM701 10Base-T/100Base-TX Ethernet RJ-45 connector JPEG (3 levels), MPEG-4, H.264 8 xzsom (2 x Exzom, 3 x 6g/sl zxxm) 3 x 6igital zoor Horizontal: 69°, vertical: 51° Horizontal: 67°, Pain: -10° to +10° (ceiling mount); -52° to +52° (wall mount) Titl: -57° to 6° (ceiling mount); -57° to +57° (wall mount) Video Compression 3 x digital zoom Video Resolution 1280 x 960, 640 x 480, 320 x 240, 192 x 144*1 640 x 480, 320 x 240, 192 x 144*1 External Input SD Memory Card Slot External sensor input x 1 Image Quality (JPEG Only) JPEG Ifavor clarity, standard, favor motion) Max, 30 frames/second |840 x 480, 320 x 240, 192 x 144| BB-HCM705 only M0S sensor, 1.3 million pixels Fixed 0.5 m-infinity Operation: 0°C to +40°C [+32°F to +104°F] Storage: -10°C to +50°C[+14°F to +122°F] Digital pan/tilt*1 Number of Pixels User ID / Password, SSL DEV. I P.V. I BANDAY. IPV4 I IPV6 DUAL-STACK IPV4 I IPV6 DUAL-STACK IPV6 I I Operating humidity Operation 20 % to 80 % [No Condensation] Storage 20 % to 90 % (No Condensation) ocus Supported Protocols Dimension [H x W x D] x 11 lmm x 73 mm |4 3/8 inchesx 4 3/8 inches x 27/8 inchesl 1.55 lb. | 240g |0.53 lb.| hite Balance Auto/manual/hold Weight 250g | 0.55 lb | Operation AC adaptor (Model No. BB-HCA7A) input 100 – 120 VAC, 50/60 Hz. Output 12V DC, 750 mA Operation AC adaptor (Model No. BB-HCA7E) input 100 – 240 V AC, 50/60 Hz. Output 12V DC, 750 mA Power supply n Calor Night View mi User Access Limit Max. 30 simultaneous accesses (max. 10 accesses with voice reception) PoE PoE standard IEEE 802 3af-2003 About 1160 frames [320 x 240, standard image quality) with time display (when SD memory card is not inserted) Buffered Image *3 When Using an Optional AC adapter (Model No. 88-HCATA) About 3.2 W (Max. 3.8 W) When Using an Optional AC adapter(Model No. 88-HCATE) About 3.3 W (Max. 3.9 W) When Using an Optional AC adaptor (Model No. BB HCATAI About 2.4 W [Max. 2.7 W) When Using an Optional AC adaptor (Model No. BB HCATE) About 2.5 W [Max. 2.7 W] Camera to PC Play with ActiveX H 354 MPSS-2 AAC (AAC-LC) SI Play, MPSS-UM-PSS-ACPCM 37 Hbps Message-Digest Algorithm HMAC-MD5, HMAC-SHA-1 a Compression H254 MPES-1AMC MALSUS Bandwidth 300 Hz-3.4 kHz Input Built-In microphone Alarm, timer, Motion Detection, Sound or Shock

1 except H 264
2 Frame rate may slow down depending on the network environment, PC performance, image quality, SD mamor, recording, using IPsec or what object you wew
3 The mamor number of frames changes depending on the mage quality, and what object; yo buffer
3 The mamor number of frames changes depending on the image quality, and what object; yo buffer

Panasonic ideas for life

Network Camera Indoor use BB-HCM715 Outdoor use BB-HCM735 *AC adaptor is sold separately.









See from Anywhere with a Variety of **Monitoring Environments**







Garage



Stores

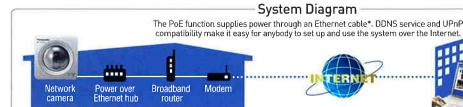


Entrances

Zero Distance lanagemen

passageway

It allows safe, smooth, economical business management that is totally free from conventional distance and time limitations.



Monitoring Site







*An optional AC adaptor can also be used

Achieving Zero Distance Management with a Variety of Functions





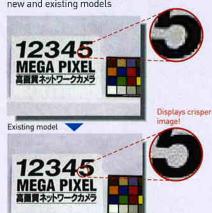
Capture

Megapixel Cameras

Mega pixel and higher image quality

Resolution has been improved to 1280 x 960 pixels, enabling rendering of finer detail. VGA (Video Graphics Array) quality has also been

Megapixel image quality comparison of new and existing models

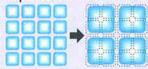


New model: BB-HCM735 (VGA)

Low Light Conditions (4-pixel summation function)

Low light 2 x 2 pixel Binning 2 x 2 pixel binning treats four adjacent pixels as one virtual pixel, thereby increasing camera sensitivity, and improving viewability in low light

4-pixel summation function This function cannot



be used with 1280 x 960 display resolution *The ON/OFF setting of this function is fixed and cannot be switched over automatically

Image quality comparison





(with 4-pixel summation function ON) (standard mode)

Control

EX Zoom

Although not equipped with optical zoom, these models have an EX Zoom [EX is supposed to stand for "excellence"] function. This allows high image quality during VGA (Video Graphic Array) display with the use of 1280 x 960 pixel image.



1280 x 960 pixel display

This allows high image quality during VGA (Video Graphic Array) display.

VGA (640 x 480 pixel) display

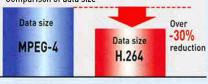


Connect

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



Installation

Enhanced waterproof performance

BB-HCM735 can be directly installed onto any outdoor walls. Wider choice of outdoor installation location (formerly limited to space under the eaves, etc.) expands its scope of application, catering better to users' needs.



 When the camera is installed provided in the included documentation, and the camera has been properly waterproofed.



Connector cover and cable guard provide protection against wind and rain to ensure uninterrupted signal transfer.



Part Names



BB-HCM715 BB-HCM735 Sunshade



Rear View Factory default reset button

SD Memory Card slot Restart button



External I/O interface

Stand mounting hole Serial number and MAC address label

Mic terminal Audio out terminal

21 HOLD CO.	
Server	
Image Compression	JPEG (3 levels], MPEG-4, H 264
Image Resolution	640 x 480, 320 x 240 (default), 192 x 144
Image Quality	JPEG (favor clarity, standard, favor motion), MPEG4
Frame Rate*1	Max, 30 frames/second [1280 x 960*2, 640 x 460, 320 x 240, 192 x 144]
Security	User ID/password/SSL
Supported Protocols	IP34 / IP35 Dual-Stack IP34: TCP, UDP, IP, RTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, UPAP'S, SMTP Authentication, RTP, RTSP, RTCP IP36: TCP, UDP, IP, RTTP, FMTP, DNS, ICMP36, POP3, NDP, NTP, RTSP, RTCP
User Access Limit	Max. 30 simultaneous accesses [Max. 8 accesses while accessing HTTPS site in HTTPS communication max 3 accesses in H.264/MPEG-4 mode
Buffered Image	About 1290 frames (320 x 240, standard image quality) with time display [when SD memory card is not inserted]
Image Transfer Method	SMTP*3, FTP, HTTP
Image Butter/Transfer Triggers	Alarm, timer, motion detection
Camera	
Zoom	6x zoom (2x Ex zoom, 3x digitat zoom)
Viewing Angle	Horizontal:69 (total 174°), vertical:51° (total 105°) Pan : -52° up to +52°, Tilt ::-45° up to +8°
Revolving Speed	Pan: max. 80°/sec, tilt: max. 80°/sec

Camera	
Sensor Type	1/3 inch CCD sensor, approx. 1,300,000 pixels MAICOVICON
Lens Focal Point	Fixed Ifocal range: 0.5 m to infinity!
Aperture [F No.]	F2.4
White Balance	Auto/manual/hold
Exposure	Auto
Illuminance	At 640 x 450; 0.3 to 100,000 fux in Cotor Night View mode: 0.04 to 100,000 tax) At 1280 x 1024; 0.6 to 100,000 fax (in Cotor Night View mode: 0.07 to 100,000 for Screen brightness, while balance: automatic/manual setting
Audio	CONTRACTOR OF STREET, SALES OF STREET, S
Audio Communication	2-Way half duplex
Audio Play Method	Play with ActiveX
Audio Encoding Method	Encoding with ActiveX
Audio Compression	H.264: MPEG-2 AAC (AAC-LC) 64Kbps MPEG-4_IPEG:ADPCM 32 kbps
Audio Bandwidth	300 Hz - 3 4 kHz
Audio Inpul	Built-in microphone, external microphone input terminal
Audio Output	Audio line output terminal for external speaker
Terminal	
Network Interface	Ethernet (10Base-T / 100Base-TX / 1000Base-TX)
External VO Connector	Input: 2, output: 1
Videa Output**	Analog composite (NTSC/PAL)
Audio Oulput*4	3.5 mm stereo mini jack (output is mono)
External Microphone Input	3.5 mm mini jack
SD Memory Card Slot	Full size

General		
Operating Temperature	BB-HCM715:Operation: +0 °C (+32 °F) to +40 °C (+104 °F Storage: +0 °C (+32 °F) to +50 °C (+122 °F) BB-HCM735:Operation: -20 °C (-4 °F) to +50 °C (+122 °F) Storage: -25 °C (-13 °F) to +60 °C (+140 °F)	
Operating Humidity	B8-HCM715:Operation: 20 % -80 % (no condensation) Storage: 20 % -90 % (no condensation) B8-HCM735:Operation: 20 % -90 % (no condensation) Storage: 20 % -90 % (no condensation)	
Dimension (H x W x D)	100 x 100 x 74 mm (3 15/16 inches x 3 15/16 inches x 2 15/16 inches	
Weight (Only the Unit)	9B-HCM715: 335 g (0.74 lb.) вв-нСM735: 340 g (0.75 lb.)	
Power Consumption	When Using an Optional AC Adapter (Model No. BB-HCA7/A About 3.3 W 7.5 W during pan / tilt scan) When Using an Optional AC Adapter (Model No. BB-HCA7CE / BB-HCA7/A About 3.3 W 7.5 W during pan/tilt scan) When Using PDE About 3.3 W 7.5 W during pan/tilt scan)	
Power Supply	Optional AC adaptor (Model No, BB-HCA7A) Input 100-120 VA, 50/60 Hz Oulput 12 V DC, 750 mA Optional AC adaptor (Model No, BB-HCA7CE/BB-HCA7E) Input 100-240 VAC, 50/60 Hz Output 12 V DC, 750 mA PGE : PGE standard (EEEB02 3af-2003	

Frame is the decrease in the Slowing Studies. When bullet is a series of the same is a superior SPE abelies SPE Authentication as SPE Authentication as supported. SSL supports SMIP over SSL STARTILS is not supported the same is a certain furce-point or packed for IV. See any the notified Author/See Sales when connecting an external furce-point or, peaked for IV.