Specification Data

Panasonic Network Cameras

Product Type   Business Use / Voice function / Indoor application
Model No.   BB-HCM511

Description

  The network cameras are connected to IP networks such as the Internet and allow for remote monitoring anywhere, any time.
  With remote control and a variety of other functions, they offer convenient monitoring.
  As outline above, the network camera shall be designed for realizing Zero Distance Management (ZDM).

- Capture crisp, clear images with the lens and CCD image sensor.
- MEPG-4 Images supported.
  Camera are able to simultaneously transmit data in both MPEG-4 and JPEG Formats.
- Store images temporarily in the camera's internal memory, store them onto SD Memory Card, or use recoding software on a PC, digital video and network video recorder.
- The network camera uses a built-in web server to send images over the Internet or other network.
- View images on a PC or cell phone.
- View multiple images with multi-camera capability, or view them right on a TV.
- Control a variety of camera operations from the browser of a PC or Cell phone.

Server

- The network camera with a built-in Web server requiring no additional software
  to operate on a PC or Cell Phone.
- Viewable on a Cell Phone that displays JPEG images using HTML or XHTML.
- Capable of providing MPEG-4 images in three resolutions (VGA, QVGA , and SCIF) and JPEG images in same three resolutions in favor motion, standard, and favor clarity Image-quality types simultaneously.
  VGA : 640 x 480, QVGA : 320 x 240, SCIF : 192 x 144.
- Max. 30 frames per second in three resolutions.
  When viewing in VGA resolution, only MPEG-4 playback offers a maximum of 30 fps.
- Max. 30 simultaneous guest users with various levels of customized access.
  Max. 10 accesses in MEPG-4 mode with sound playback.
- Capable of capturing and storing images into the camera's internal memory or an SD Memory Card based on timer, motion detection or alarm input.
- Allows for Email or HTTP notification upon motion detection or alarm input of a triggered event.
- Image transfers via FTP, HTTP or SMTP in accordance with trigger settings.
- Supports IPv4/IPv6 Dual Stack.
  IPv4 : TCP, UDP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, UPnP, SMTP Auth, RTP, RTSP, RTCP
  IPv6 : TCP, UDP, HTTP, FTP, SMTP, DNS, ICMPv6, POP3, NDP, NTP, RTP, RTSP, RTCP

Camera

- 10x digital zoom with pan and tilt capabilities.
- Pan (horizontal Direction) : -60° up to +60°.
- Tilt   vertical direction   : -45° up to +20°.
- Display range : Horizontal : 174° and Vertical : 105°.
- Revolving Speed : Pan : max.80°/sec and Tilt : max.80°/sec.
- .1/4" CCD image sensor with approximately 320,000 pixels.
- Lens focal point : Fixed.
- Lens focal range : 0.5m – ∞.
- Lens brightness : F2.8.
- Required light intensity : min.2 lux / Color night view mode of 0.2 lux.
- Images are out put to PC with progressive scanning.

Audio

- 2-Way half duplex audio capabilities.
- Built-in microphone or external microphone input terminal.
- Audio line output terminal for external speaker.
- Audio compression : ADPCM 32kbps.
- Audio bandwidth : 300Hz – 3.4kHz.

Terminals

- Network interface : 10Base-T or 100Base-TX with automatic negotiation mode.
- External I/O connector : Input: 2 and Output: 1.
- Analog composite video output (NTSC/PAL).
- Audio output : 3.5mm stereo mini jack (output is mono).
- External microphone input : 3.5mm mini jack.
- SD card slot allowing recording of video and audio on up to a 2GB SD memory card.

General

- Operating Temperature : 0°C to +40°C [+32°F to +104°F]
- Operating Humidity : 20 % to 80 % (No Condensation)
- Dimensions [H x W x D] : 100 x 100 x 74 mm [3 15/16 x 3 15/16 x 2   15/16 inches]
- Weight (only the unit)   : 330 g [0.73 lb.].
- Power Supply : PoE : 48 V, IEEEE 802.3af-compliant Power over Ethernet.
                                AC adaptor (option) : input 100 - 240V AC, output 12 V DC.
- Power Consumption : PoE : approx. 6.5 W, AC adaptor (option) : 7 W.

Additional Features

- UPnP supported for easy network setting when combined with UPnP-compatible router.
- DDNS service supported for accessing web camera over the internet.
   Viewnetcom ,a free DDNS Service offered by Panasonic or other third-party DDNS Services available.
- Image data can be stored without a network connection simply by inserting an SD Memory Card into Camera.
   SD Memory Card recording is available in standalone mode.
- Full-screen display of monitor images supported.
- Multi-camera capability allow for monitoring max.16 cameras simultaneously at one camera site.
- The date and time are displayed on all monitored still or moving images.