

Specification Data

Panasonic Network Camera Recorders

Product Type	<input type="checkbox"/> Optional software
Model No.	<input type="checkbox"/> BB-HNP15
Compatible models	: Network Cameras BB-HCM581, BB-HCM580, BB-HCM515, BB-HCM531, BB-HCM511, BB-HCE481, BB-HCM403, BB-HCM381, BB-HCM371, BB-HCM331, BB-HCM311, KX-HCM280, KX-HCM110 BL-C131, BL-C111, BL-C30, BL-C20, BL-C10, BL-C1 Network Camera Server BB-HCS301

Description

Images can be recorded to the PC together with sounds simultaneously from up to 64 cameras on the LAN or the Internet.

Recorded images can also be playback easily. Operating comfort can also be optimized by customizing the settings and browser screens. This is ideal for boosting security or use in market surveys. In stores, this allows for more detailed monitoring of customer behavior, and of employee attitudes toward customers, information that cannot be obtained from still images alone and help you plan effective marketing strategies.

JPEG recording or MPEG-4 recording can be selected for the object of recording.

- MPEG-4 recording supported.
Select MPEG-4 recording when you want smooth motion images even with limited network speeds or a smaller volume of image data and select JPEG recording when you want to take beautiful images (included XSGA resolution) at set intervals.
- The detection range on the PC can be limited by dividing the screen into a grid of 100 squares and masking all unnecessary squares.
This suppresses the detection of motion in those squares to detect and record the desired motion with greater accuracy.
- Full screen mode supported that fills the screen with the image.
- The multi-camera display lets you monitor up to 64 cameras or view the playback of up to 4 cameras.
- The order of the display images and the size of the display frames can be easily changed by drag & drop operation.
- Graphic display of recorded images in list form makes it easy and convenient to retrieve images according to the camera name, recording time zone, or recording method.
- Desired parts of recorded motion images, still images, and audio can be converted to common formats for handy data exchanging.

Camera registration monitoring

- Number of registerable camera units : Up to 64 camera units.
Note that the actual number of registerable camera units varies depending on the performance of the PC used.
- Up to 64 multi-camera display and layout change available.
- Full-screen display of monitor images supported.
- Sequential display supported.
The camera automatically switches between multi-camera displays to enable smooth image displays.
- Image display size and selected camera image display can be automatically adjusted to match the camera display layout.
- Each camera can be set up individually.
- Capable for control of basic camera functions [pan/tilt/zoom, brightness, resolution, Image quality, sound level].
- Preset functions set in cameras can be used.
- Image zoom in / out not supported.

Recording

- MPEG-4 recording and JPEG recording can be done simultaneously.
- Images and voices are recorded continuously in a moving image file (original file format).
- Recording media : Hard disk or Network drive.
- Recording resolution : 160 x 120, 192 x 144, 320 X 240, 640 x 480, 1280 x1024 (dependent on the camera registered)
- Recording quality : Favor clarity, standard, favor motions (JPEG only).
- Recording interval : Not specified : based on camera's image update interval.
Specified : 5 image / second to 1 image / hour
Recording interval designation and sound recording can be done simultaneously.
- Number of camera units for simultaneously recording will be dependent on camera type and performance of PC.
- Motion detection recording supported. Sensitivity and threshold value can be adjusted.
- Timer detection recording supported. 10 schedules can be registered per camera.
- Alarm recording supported. (JPEG only / triggered by the reaction of a sensor mounted to the camera)
- Maximum recording capacity value and the action when the set capacity is reached can be set for individual camera units.
In addition to capacity limit for each camera, there is also a capacity limit for the entire storage media.
- Monitors the free space on the specified recording disk, and stops recording when the free space becomes smaller than the set value.

Image Operation

- Playback of images with voices, playback of image files.
- Playback speed can be varied. Playback in reverse is possible.
- Simultaneously playback of images from up to up to 4 cameras is also possible.
- A list of recorded image files, or a graphical list can also be displayed.
- Recorded images can be copied or deleted.

- All or part of the recorded images can be converted to common formats for handy data exchanging.
 - Motion image : MPEG-1, ASF, AVI / for playback using Windows Media Player.
 - Still image : JPEG.
 - Only the audio portion : WAV / for playback using Windows Media Player.
- Automatic backup of recorded images not supported.

Image search

- Search recorded images in 1-day units using the recording time, recording method, and a key word set before recording.

System requirements

- OS : Microsoft Windows XP (32bit) / Windows Vista (32bit).
- Web browser : Internet Explorer 6.0 or later
- File system : NTFS (NT File System) recommended.

Hardware specifications

- When 10 network camera units are connected.
 - CPU : Intel Pentium 4 3GHz or greater, or equivalent compatible processor / RAM : 1024MB or more*1.
- When 2 network camera units are connected.
 - CPU : Intel Pentium 4 2.6GHz or greater, or equivalent compatible processor / RAM : 512MB or more*1.
- Audio output function (including speaker or headphone).

Additional Features

- Navigation function makes it possible to confirm the available space on the specified recording disk or estimate the available recording time for each camera.
- Log analysis makes it possible to display the time and cause of errors, so they can be prevented in future.

*1 This specification is required for using all network cameras to simultaneously record at resolution of 320 x 240 in standard image quality, while monitoring all registered cameras at a frame rate of 2 fps.