

## Specification Data

### Panasonic Network Camera Recorders

Product Type	<input type="checkbox"/> Optional software
Model No.	<input type="checkbox"/> BB-HNP11
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 (Recording of MPEG-4 and SXGA (1280 x 1024) images is not supported.) Network Camera Server BB-HCS301

### Description

Images can be recorded to the PC together with sounds simultaneously from up to 10 cameras on the LAN or the Internet.

Recorded images can also be playback easily. Then you can capture the ambience of the remote sites.

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.

- Motion detection recording and timer recoding functions are available.
- Recorded images can be searched using a preset keyword, recording type, and date / time.
- The maximum amount of data to be recorded on the hard disk of the PC can be set for each camera.
- Recorded images can be saved in another memory location at a preset time.
- MPEG-4 recording not supported.
- Full screen mode not supported.

### 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.
- Images captured by registered cameras are shown in small images on a single screen.
- Full-screen display and sequential display not supported.
- Image display size : 6 size from 320 x 240 to 60 x 45.
- Selected camera image display : 640 x 480, 320 x 240, 160 x 120
- 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.
- Increase / decrease of image size in 25% steps (25% to 700%). Image display size adjusted according to window size.

### Recording

- Only JPEG recording supported.
- 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, 320 X 240, 640 x 480
- Recording quality : Favor clarity, standard, favor motions (JPEG only).
- Recording interval : Not specified : based on camera's image update interval.  
Specified : 2 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.
- 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.
- Display recorded image files in list format.
- Recorded images can be copied or deleted.
- All or part of the recorded images can be converted to MPEG-1 and JPEG format file.  
However, the audio portion cannot be converted.  
Motion image : MPEG-1 / for playback using Windows Media Player.  
Still image : JPEG
- Automatically copies recorded images in a specified folder at a set time.

**Image search**

- Search recorded images using the recording date/time, recording method, and a key word set before recording.

**System requirements**

- OS : Microsoft Windows 2000 (Service Pack 2 or later), Windows XP Professional Edition, Windows Vista.
- 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 : 512MB or more
- When 2 network camera units are connected.
  - CPU : Intel Pentium 4 1.8GHz or greater, or equivalent compatible processor / RAM : 256MB or more
- Audio output function (including speaker or headphone)