

BE-7000 Series

BE-7004H/7008H/7016H DVR



Main Features

- User-friendly GUI for easy operation
- Up to 1280×1024 VGA output resolution
- Simultaneous VGA and CVBS output
- 4CIF/2CIF/CIF resolution
- Normal and event recording parameters configurable per Individual camera
- Partial digital zoom by using mouse when in PTZ control mode
- 4/8/16-ch synchronous playback
- Support dual stream
- Different recording storage period configurable for each channel
- NTP, SADP, DHCP protocols supported

Functions & Performances

Compression

- PAL/NTSC adaptive video inputs
- H.264 video compression with high reliability and superior definition.
- G.711 audio compression standard.
- Independent video encoding parameters, including frame rate, Resolution, bit rate, video quality, etc.
- Scheduled and event recording parameters configurable for per Individual camera
- Support dual stream
- Encoding for both audio/video composite stream and video stream; Audio and video synchronization during composite stream encoding
- Compression, storage and network transmission of video image at 4CIF/2CIF/CIF resolution
- Watermark technology

Local Monitoring

- Up to 1280×1024 resolution for VGA output display.
- Simultaneous VGA and CVBS output.
- 1/4/9/16-camera video live view, with the camera order adjustable.
- Group switch, manual switch and automatic cycle modes selectable for Video live view, with the auto cycle period configurable
- Digital zoom in live view mode.
- Shield of assigned channel for live view.
- Privacy masking capability.
- Multiple PTZ protocols supported, and settings and call up of presets, Patrols and patterns
- Video image zoom-in by clicking the mouse and tracing by dragging Mouse in PTZ control mode

Hard Disk Management

- Connection to 1 SATA hard disk, with up to 2TB storage capacity
- S.M.A.R.T technology
- HDD standby function
- HDD file system is compatible with Windows. Use pre-allocating hard Disk management technology and no disk fragments

Recording

- Cycle and non-cycle recording mode.
- Normal and event video encoding parameters
- Multiple recording types, including manual, normal, motion detection, etc.,
- 8 recording time periods with separate recording types.
- Pre-record and post-rec time for motion detection, and pre-record time for schedule and manual record.
- Lock and unlock of video files.
- HDD property can be set to read-only.
- Video data search and playback by channel number, recording type, time etc.
- Digital zoom function in playback mode.
- Pause, play fast, play slow, skip forward, skip backward when playback, progress bar mouse drag.
- 4/8/16-channel synchronous playback.

Backup

- Record files backed up via USB device.
- Bunch backup by file or by time.
- Record files edited for backup in playback.
- Management and maintenance for backup devices.

Alarm & Exception

- Various exception alarm types supported: alarms for video loss, motion detection, video tempering, video signal abnormal, video in/out format unmatched, illegal access, network disconnection, IP conflict, hard disk error and hard disk full.
- Exception handling : pop-up alarm image on monitor, audible warning, notify surveillance center, etc.
- Support alarm notification by Email; and BE-7008H and BE-7016H sends Email with alarm images.
- Auto recovery from exceptions

Others

- Control of DVR via mouse and IR remote control.
- Three-level user management, each user with individual operating Permission for DVR and camera
- Powerful record and search for log of operation, alarm and exceptions.
- Import/export of device configuration files

Network

- 10/100M adaptive network interface.
- TCP/IP protocol suites, PPPoE, DHCP, DNS, DDNS, NTP, SADP protocols, etc.
- Unicast and multicast supported; TCP and UDP protocols applicable in unicast transmission.
- Remote search, playback and download, lock/unlock of video files; support breakpoint resume.
- Remote access & configuration parameters; remote import/export of device configuration parameters.
- Remote access of device running status, alarm and system log.
- Remote formatting of hard disk, upgrade, reboot/shutdown and other system maintenance operations.
- RS-485 half-duplex transparent channel transmission.
- Exceptions upload to remote management host.
- Remote manual recording.
- Remote video image capture in JPEG format.
- Voice talk and broadcast.
- Built-in WEB Server

Specifications:

Model		BE-7004H	BE-7008H	BE-7016H
Video/Audio input	Video Compression	H.264		
	Analog Video Input	4-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC adaptive	8-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC adaptive	16-ch, BNC connector (1.0 Vp-p, 75 Ω); PAL / NTSC adaptive
	Audio Compression	G.711		
	Audio Input	1-ch, RCA connector (2.0 Vp-p, 1 kΩ)		
	Voice Talk Input	1-ch, RCA (2.0 Vp-p, 1 kΩ) (Using AUDIO IN)		
	VGA Output	1-ch, resolution: 1280 × 1024/60 Hz, 1024 × 768 / 60 Hz		
	CVBS Output	1-ch, BNC connector (1.0 Vp-p, 75 Ω); Resolution: PAL: 704 × 576, NTSC: 704 × 480		
	Audio Output	1-ch, RCA connector (Linear, 1 kΩ)		
Video/Audio output	Recording Res.	4CIF / 2CIF / CIF		
	Frame Rate	Main stream: 4CIF / 2CIF@12 fps, CIF@25 fps (P) / 30 fps (N) Sub stream: CIF / QCIF@25 fps (P) / 30 fps (N)		
	Video bit rate	32 kbps ~ 2048 kbps, or user-defined (Max. 3072 kbps)		
	Stream Type	Video/ Video & Audio		
	Audio bit rate	64 kbps		
	Dual Stream	Support		
	Syncro Playback	4-ch	8-ch	16-ch
Hard disk	Type	1 SATA interface		
	Capacity	Up to 2TB capacity for each interface		
External interface	Network Interface	1, RJ 45 10 M / 100 M adaptive Ethernet interface		
	Serial Interface	1 RS-485 interface, half-duplex		
	USB Interface	1, USB 2.0		
Others	Power supply	12 VDC		
	Consumption	≤10 W (without hard disk or DVD-R/W)	≤15 W (without hard disk or DVD-R/W)	
	Working Temp.	-10°C ~ +55°C		
	Working Humidity	10% ~ 90%		
	Dimensions (W x D x H)	315 × 230 × 45 mm		
	Weight	≤2 kg (without hard disk or DVD-R/W)	≤4 kg (without hard disk or DVD-R/W)	