



eBell Linux embedded NVR **NVR-0xx-PQ9**

NVR Software Features

▶ Monitoring

- Linux OS, recording and display IP camera of M-JPEG, MPEG-4 and H.264
- Real-time monitoring and recording (video/audio) from multiple IP Cameras (32 ~ 128 is popular).
- Records image resolutions as high as the IP camera supports, including megapixel cameras.
- Support 2 monitors one for Live, another for Playback.
- Support channel new layout, by pulling any channel to desired position.
- Monitor resolution: 1280X768.
- Live display: 1, 4, 6, 7, 8, 9, 10, 13, 16, 17, 36, 49, 64 divisions and full screen display
- When event occurs, or scene changed, Triggered Channels will flash for attention.
- Real-time Video signal lose detection and notifications.
- Multi-channel playback at different speed
- Display Frame size and FPS data on Playback video.
- Editable Multi-layer E-Map for new camera and I/O icons, and display video on map.
- Internet Remote user management: setup control (logon up to 10 users), user administration, video backup, live viewing, and powerful search capabilities.
- Password / Multi-user management.
- Detailed event logs of system warning, hard disk error, network disconnection, users' networking services and recordings access record
- On screen IO device management.
- On screen PTZ control panel.
- Display and estimate Hard disk capacity and recording time.
- Digital watermarking



NVR-0xx-PQ9

70 (H) x 290 (W) x 311 (D) mm

▶ Recording

- Megapixel recording frame per second up to 30 f/s(NTSC), 25f/s(PAL), varies by IP camera models.
- Recording mode: view only/ motion/ alarm/ motion & alarm/ mixed mode/ continuous/manual/scheduled recording
- Adjustable recording quality and frame rate for each camera
- Event pre-alarm recording 5~30 seconds; Post-alarm recording 10~120 seconds.
- Adjustable file length: 5, 10, 15 minutes.
- Recording on local and remote end

▶ Audio

- Audio recording features depending on IP cam spec

▶ Back up

- CD-RW, DVD-RW, USB1.1 / 2.0.



▶ **Smart Search & Easy Playback**

- Digital zoom for single picture and motion picture.
- Snapshot and storage for single and multiple pictures.
- Support multi-channel time synchronized or not synchronized playback.
- Support single channel playback of different time intervals.
- Support video and audio synchronized playback.
- Support sec/min/hr picture preview, and to export or start playback by clicking picture of interest.
- Support single and multiple channels backup.



▶ **Alarm and Notification**

- Each camera can connect to any or all the sensors and select one or all different notifications.
- Event types: Video loss, Sensor triggered, Motion detection triggered.
- Alert notifications: Video loss, Sensor triggered, HD crushed, System crushed.
- Auto pop-up on e-Map when event occurred.
- Motion detection: 15 x 22 small blocks to set alarm area
- Internet watchdog: support multiple NVR cross monitoring.
- Support multiple Internet I/O devices.



▶ **Mobile Phone Application**

- Support 3G RTSP.

▶ **Integration (Optional):** POS, LPR, VCA (IVS), Access control, Digital I/O

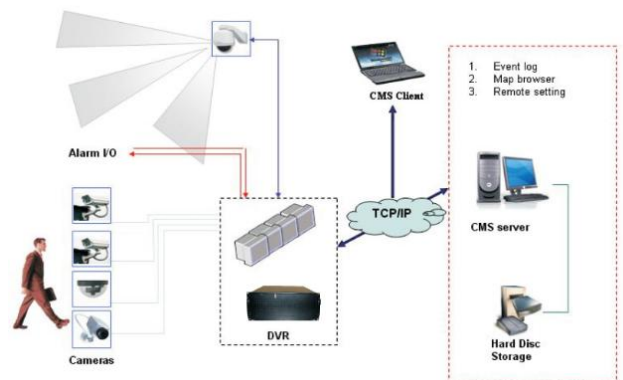
▶ **Analytics (Optional):** Intelligent video system (IVS) Video content analysis (VCA).

- Motion detection, foreign object, missing object, scene change detection, out of focus, intrusion alarm and camera occlusion.



▶ **Networking and System**

- Support TCP/IP, PPPoE, DHCP, DDNS.
- Support NTP server..
- System log: system on/off, video loss, GUI, PTZ, schedule, Device manager.
- Support SMTP update on IP address for easy tracking (system reboots or with floating IP).
New IP address will be assigned and email to intend receiver for remote monitoring.
- Support USB firmware upgrade.





Hardware Specification



WADE-8180



Chipset	Intel® Q45 Express and ICH10DO chipset
CPU	<ul style="list-style-type: none"> Single LGA775 Socket Supports Intel® Core™2 Quad / Core™2 Duo processors
Memory Type	DDR3 800/1066MHz SDRAM
Storage	2 x 3.5" HDD
Networking Controller	2 Gigabit LAN Port
PCI-E Slots	1 (x16) PCI-e slot
USB	8 x USB 2.0 4 ports rear + 4 ports headers
Power Supply	180W
Dimensions	70 (H) x 290 (W) x 311 (D) mm