# XR8032

**Enterprise pure IP camera NVR solution; best for casinos, government applications and banking facilities**

## Overview

- Enterprise pure IP camera NVR solution; best for casinos, government applications and banking facilities

- 32 channels Video and 32 channels Audio input with D1 Real-Time recording rate

- Supports over 100 IP cameras from major brands

- Supports up to 2 Megapixel IP cameras and IP PTZ

- Proactive alerts for abnormal temperatures on front panel

- Supports dual monitor for independent live view, playback or map

- Supports multiple channel display on spot monitors, including alarm feature that pops up a channel if triggered

- POS Integration allows for easy association of retail transaction data and corresponding video images

- Integrated remote functionality allow access to video footage via mobile phone or PDA

- Supports Central Management System that allows for remote management and control of up to 1,000 DVRs

# XR8032 Specifications

| | |
|---|---|
| Operating System | Embedded Windows XP |
| Disk-on-Module (DOM) | 2 GB |
| Hybrid | No - Pure IP solution |
| IP Camera Support | Over 100 major IP camera brands supported including Megapixel |
| Video Format | NTSC or PAL |
| Software Compression | MJPEG, MPEG4 and H.264 |
| Video Output | CCTV or TV monitors |
| Video Input | 32 channels network video input |
| Audio Input | 32 channels network audio input |
| Video Loop Output | n/a |
| Display Rate | 960 fps |
| CIF Recording Frame Rate | 960 fps |
| VGA Recording Frame Rate | 960 fps |
| D1 Recording Frame Rate | 960 fps |
| DVD-RW | Yes - 8 x DVD-RW |
| Removable HDD Tray | 1 HDD tray (up to 4 HDD) |
| Ethernet | RJ-45, 10/100/1000 Mbps |
| USB 2.0 | Front - 2 ports, Rear - 4 ports |
| Recording Resolution | up to 720x480 |
| LCD Display | Display resolution up to 1920 x 1200 |
| Power Consumption | 400 Watt |
| Dimensions (WxHxD) | 430 x 178 x 477 mm or approximately 17 x 7 x 19 inches |
| Rack Mountable | No |
| User Access | Unlimited number of users with individual passwords and tiered user privileges |
| Sensor/Relay | Built in 8 sensors and 8 relays; Expandable up to 136 sensors and 136 relays via an E-I/O box |
| WatchDog | Yes - built-in system auto recovery after power failure |

## User Interface:

| | |
|---|---|
| Type | Graphical User Interface |
| Modes | Compact and Advanced modes |
| Display Formats | Auto scan with 1, 4, 8, 9, 13 or 16 split screen for monitoring and playback |
| E-Map Specifications | Store up to 8 maps with up to 8 angles for camera (including name), sensor and relay positions |
| Night View Ability | Yes |
| Digital Zoom | Yes |
| Pan-Tilt-Zoom Control | Control for IPcameras |
| Multiple Languages | Yes |
| Video Quality Settings | Yes |

## External Device:

| | |
|---|---|
| Dual Monitor Support | Yes |
| Spot Monitor Support | Yes |
| POS Integration | Yes |

## Recording Features:

| | |
|---|---|
| Recording Modes | Continuous, Scheduled, Motion Detection, Sensor trigger, Alarm trigger and Smart recording |
| HDD Size Estimation Tool | Yes |
| Video Encryption | Yes |
| Video Shield | Yes |
| Video Mask | Yes |
| Recycle Recording | Yes |
| Video Loss Detection | Yes |
| Event Log | Yes |
| Auto Record after Reboot | Yes |

## Playback Features:

| | |
|---|---|
| Video Search | Yes |

## Playback Features (cont):

| | |
|---|---|
| Watermark Verification | Yes |
| Playback Software on PC | Yes |
| Playback Availability | Playback while recording or setup. With Dual Monitors - watch playback and live video simultaneously |
| Playback Control | Play, rewind or fast-forward footage including frame-by-frame control with real time access |
| Video Optimization | Digitally zoom in to specific areas on the video footage |
| Export Functions | Export single frames to BMP files or export video clips to AVI files with time and date stamp |

## Search Features:

| | |
|---|---|
| Visual Search | Yes |
| Search Criteria's | Search by date, time, camera, event and event logs |
| Bookmark Function | Yes - Bookmark important footage for fast access |
| Watermark Verification | Yes |
| Export Functions | Export single frames to BMP files or export video clips to AVI files |

## Back-up:

| | |
|---|---|
| Back-up features | Manual or schedule backup |
| Over Heat Detection | Yes |
| Backup Functions | DVD $\pm$ RW (DL), Flash memory, external HDD, RAID, NAS |

## Alarms/Sensors/Relays:

| | |
|---|---|
| Alarm Trigger Notifications | E-map - E-map is launched with active camera highlighted and monitoring footage displayed |
| | FTP - Still images of event footage are automatically saved to specified FTP sites |
| | Phone - Installed Voice-Fax modem calls specified phone number and plays pre-recorded message |
| | Relay - System will turn on lights, lock gates, sound an external alarm, etc. |
| | Record - System will start capturing video footage from different angles on multiple cameras |
| | Spot Monitor - Will automatically display E-map and event footage on spot monitor |
| | Text Message - If DVR is SMS modem enabled, then a text will be sent to specified phone number |
| | CM3000 - Event information will be automatically generated in the CM3000 for follow-up |
| Video Intelligence | Yes |
| I/O Box Support | Built in 8 sensors and 8 relays; Expandable up to 136 sensors and 136 relays via an E-I/O box |

## Remote Accessibility:

| | |
|---|---|
| Remote Accessibility | WebViewer - 1, 4, 8, 9, 13 or 16 split screen views with PTZ control |
| | PDAViewer - View video footage on a PDA in 1 or 4 split screens |
| | HandyViewer/SmartViewer- View video footage on compatible cell phones |
| | CM3000 - Control and manipulate up to 1000 DVRs remotely; Includes PTZ and E-Maps |
| | Remote Console - Remotely monitor, record or playback video footage |
| Audio | 2-way audio communication through WebViewer, Remote Console or CM3000 |
| Pan-Tilt-Zoom | Yes -  IP cameras through WebViewer or CM3000 |
| Backup | Yes |
| Dynamic DNS | Yes |
| Connection Types | Internet or LAN speeds |

## Video Quality:

| | |
|---|---|
| De-Interlacing | Yes for Static or Dynamic footage |
| Noise Reduction | Yes |
| Image Balance | Yes - Auto Gain Control (AGC) balance image quality |
| iEnhance Software | Yes - optimizes recorded video footage |
| iStable Software | Yes - smoothes video footage |

## Scheduling Abilities:

| | |
|---|---|
| Schedulable Functions | Record, network enable, backup, reboot, alarm and relay controls |
| Allocations | Functions can be scheduled in 15 minute, 30 minute, 45 minute or 1 hour increments |
| | Set for a one-time event or on a weekly repeating schedule |

## Other:

| | |
|---|---|
| Attention Please | Yes |
| Virtual Keyboard | Yes |
| UPS support | Yes |

# Security Product Hardware Recommendation List

## Recommendation List:

**Note:** Based on Intel's suggestion, for all of Microsoft Windows XP Operating Systems, Hyper-Threading must be disabled in the system BIOS Setup program ( see FAQ for procedure ) for our DVR products.
For the most stable security DVR system, we strongly recommend NOT using VIA/SiS/ALi chipsets and SiS VGA chips with our products due to their severe limitation of the chipset design.
**Note:** Please make sure you are using the standalone VGA card with 128 MB memory above instead of built-in onboard VGA card in order to ensure the working stability and performance of the NV/NX series software.
**Note:** We highly recommend not applying the Samsung Hard disk drive to the SA/XR/EXR DVR products for recording or backing up video files usage.

## XR8032

**PTZ Camera**   **Please click here for the full IP camera support list**

| Brand | Product Number |
|---|---|
| DynaColor | All products |
| Pelco | Pelco-D |
| | Pelco-P |
| Lilin | PIH 717X / 7000 / 7600 |
| Sony | 15-CZ45-1 |
| DMP23-H2 | DMP23-H2 |
| MD101 | all products |
| CD55 | all products |
| NiceCam | all products |
| Yoko | all products |
| DiGiDome | DRX -502A (DOH-240) |
| SamSung | SCC-641 |
| Canon | VC-C4R |
| Panasonic | WV-CS850 / WV-CW860 |
| Eastel | all products |
| MicroJack-P | all products |
| JVC | TK-C676 |
| Philps | TC8560, TC700 |
| ELMO | PTC -200C |
| AmericanDynamics_UltraS | all products |

**USB to Serial Hubs, could be compatible with POS Series, PTZ Camera, and UPS Series**

| Brand | Product Number |
|---|---|
| MOXA | Uport 1410 |

**Raid System**

| Brand | Product Number |
|-------|----------------|
| Stardom | SR3610-2S-SB2 |

**PDA Basic requirement**
Notice: This feature is only available on version 5.1 or above AP. For customers who are using 5.0 version of AP, please visit the Support/Download page to download and upgrade to the latest version of AP
1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: Microsoft Window Pocket PC 2002/2003 or Mobile 5 above.
3. GPRS or WLAN module is recommended.

**Windows Mobile Smartphone Basic Requirement**
Notice: This feature is only available on version 5.7 or above AP. For customers who are using v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP
1. CPU: Arm architecture, for example, Intel Xscale.
2. OS: Windows-base, Windows Mobile 2002/2003 for Smart Phone Edition or Windows Mobile version.
3. Network module such as WAP,GPRS,WLAN....etc is required .

**Symbian Smartphone Basic Requirement**
Notice: This feature is only available on version 7.1 or above AP. For customers who are using v5.7, v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP
1. OS:Symbian Smartphone
2. The OS need to support JAVA MIDP 2.0(JAVA2 ME)
3. Network module such as WAP, GPRS, WLAN …etc is required.