

AVZ416



PENTABRID 16CH REAL-TIME HD CCTV DVR

▶ FEATURES

Free P2P Cloud EaZy Networking*

- ❖ Cloud EaZy Networking available to connect this device to Internet automatically in three steps with our free mobile app, EagleEyes.
- ❖ The “Buddy” feature to share the device access permission to other people.
- ❖ Device login / out notifications reported.



Push Video & Push Status - Active Event Notification with EagleEyes App

- ❖ Push Video to send instant notifications for an alarm event when an alarm device is connected to the DVR.
- ❖ Push Status to send instant notifications for system events, such as video loss or HDD data removal.

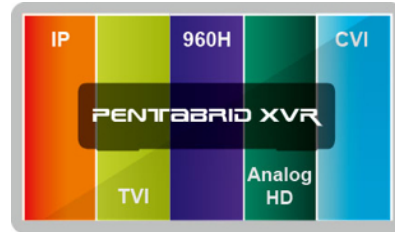


External Disk Array Support for More Video Storage

- ❖ eSATA interface built-in to connect a disk array for more video storage.

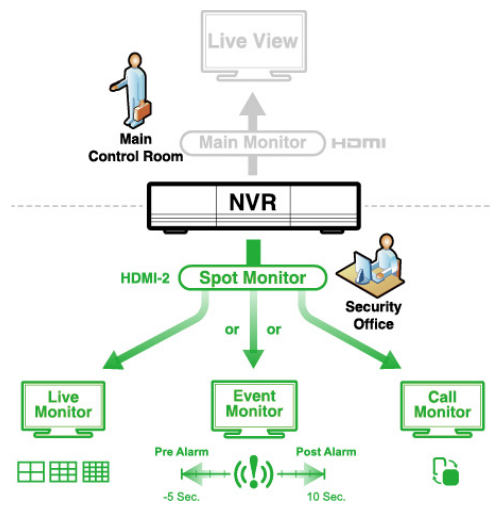
Pentabrid Video Input

- ❖ 16 channels of IP / TVI / CVI / Analog HD / 960H video input, within which IP channels are up to 12 channels
- ❖ All channels at 1080P real-time recording
- ❖ Up to 5MP recording for IP cameras



Spot Monitor

- ❖ In addition to the main display via the HDMI output, you can assign a secondary display to show live view, call monitor or event monitor.



Intelligent Video Analysis

- ❖ The Smart TVI DVR supports IVS (Intelligent Video System) to set a virtual detection line for people counting, virtual fence, and one-way pass.

* EaZy Networking is a free P2P cloud service to connect AVTECH devices to the Internet automatically by plug-and-play, enabling you to check the live view via your mobile device or laptop at anytime (in 64 kbps).

▶ SPECIFICATIONS

| ▼ Video | | |
|--------------------------------|-------------|--|
| Video System | | NTSC / PAL (auto detection) |
| Video Compression Format | | H.264 |
| Video Signal | | IP / TVI / CVI / Analog HD / 960H |
| Video Input | | 16 quadbrid channels (IP / TVI / Analog HD / 960H), within which IP channels are up to 12 channels |
| Video Input Interface | Analog Mode | Composite video signal 1 Vp-p 75Ω BNC |
| | IP Mode | Ethernet, 10/100 Base-T |
| Video Output | BNC | YES |
| | VGA | YES (1080P) |
| | HDMI | HDMI-1: Up to 3840 x 2160 (4K2K) / HDMI-2: Up to 1920 x 1080 (1080P) |
| Video Resolution | Analog Mode | 1080P / 720P / QHD / 960H / Frame / Field / CIF |
| | IP Mode | 2592 x 1944** / 2048 x 1536** / 1920 x 1080 / 1280 x 720 / 640 x 480 / 320 x 240 |
| ▼ Record & Backup | | |
| Max. Recording Rate | Analog Mode | Up to 480 IPS @ 1920 x 1080 (16 channels) |
| | IP Mode | UP to 360 IPS @ 1920 x 1080 (12 channels) |
| Recording Mode | | Manual / Timer / Motion / Alarm / Remote |
| Pre-alarm Recording | | YES |
| Playback Channel | | 16CH |
| Quick Search | | Time / Motion / Alarm search mode |
| Backup Device | | USB 2.0 drive / Network |
| Regular Backup | | YES (USB hard drive or FTP) |
| ▼ Audio | | |
| Audio Input | | 8 audio inputs |
| Audio Output | | 2 Audio output (Mono) |
| ▼ General | | |
| Hard Disk Storage | | 10TB SATA HDD x 3 |
| SATA Interface | | YES |
| eSATA Interface | | YES (For external disk array connection) |
| Image Quality Setting | | SUPER BEST / BEST / HIGH / NORMAL |
| USB Mouse Control | | YES |
| Motion Detection Area | | 16 × 12 grids per channel |
| Motion Detection Sensitivity | | 3 adjustable parameters for accurate detection |
| Event Notification | | Push Video / Push Status / FTP / E-Mail |
| Picture Zoom | | 2X digital zoom |
| PTZ Control | | YES |
| Alarm I/O | | 8 inputs, 1 output |
| RS485 | | YES |
| IR Remote Control | | YES (IR receiver built-in) |
| Key Lock (Password Protection) | | YES |
| User Level | | 4 user levels for different access privilege |
| Video Loss Detection | | YES |
| Camera Title | | Supports up to 25 letters |
| Video Adjustable | | Hue / Saturation / Contrast / Brightness |
| Date Display Format | | YY/MM/DD, DD/MM/YY & MM/DD/YY |
| Daylight Saving | | YES |

▶ SPECIFICATIONS

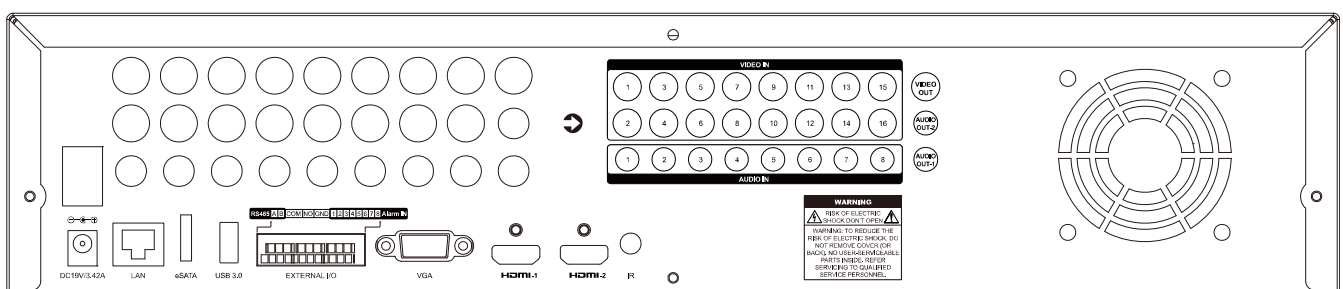
| ▼ General | | |
|-------------------------------------|--|---|
| Power Source (±10%) | 19V/3.42A | |
| Operating Temperature | 10°C ~ 40°C (50°F ~104°F) | |
| Operating Humidity | 10% ~ 85% | |
| Dimensions (mm) ^{***} | 432(W) × 90(H) × 326(D) | |
| Net Weight (kg) | 4kg | |
| ▼ Network | | |
| Ethernet | 1000 Base-T. Supports remote control and live view via Ethernet | |
| Network Protocol | TCP/IP, PPPOE, DHCP and DDNS | |
| ▼ Remote Surveillance from PC | | |
| Compatible Operating System | Windows & MAC | |
| Compatible Program | Web Browser: | Internet Explorer, Google Chrome & Safari |
| | CMS Lite: | 32CH central management software for Windows OS |
| | QuickTime: | For both Windows and MAC operating systems |
| Max. online users | 20 | |
| Web Transmitting Compression Format | H.264 | |
| Network Live Audio | YES | |
| Remote Independent Operation | YES | |
| Remote Event Download & Playback | YES | |
| ▼ Mobile Surveillance | | |
| App | EagleEyes | |
| Compatible Devices | iOS & Android devices | |
| Push Video | YES (16CH) | |
| Push Status | YES | |
| ▼ Others | | |
| EaZy Networking | YES | |
| IVA | YES (4 channels in analog mode) | |
| DCCS Support | YES | |
| AVTECH Free DDNS service | YES | |
| Privacy Mask | YES | |
| Multiplex Operation | Live display / record / playback / backup / network operations | |
| System Recovery | System auto recovery after power failure | |
| Optional Peripherals | Disk Array (AVX997 / AVX992) / HDMI Matrix (HDM02) / USB Joystick (AVX102) | |

* The specifications are subject to change without notice.

** For 3MP / 5MP video recording, the local live display and playback only support sub stream display (D1 by default).

*** Dimensional tolerance: ±5mm

▶ REAR PANEL



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