AVZ416

PENTA BRID | EaZy Networking | PUSH V!DEO | PUSH Status | 4K 2K | IVA

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.
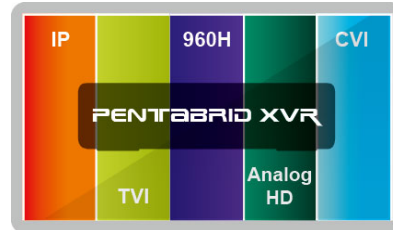

External Disk Array Support for More Video Storage

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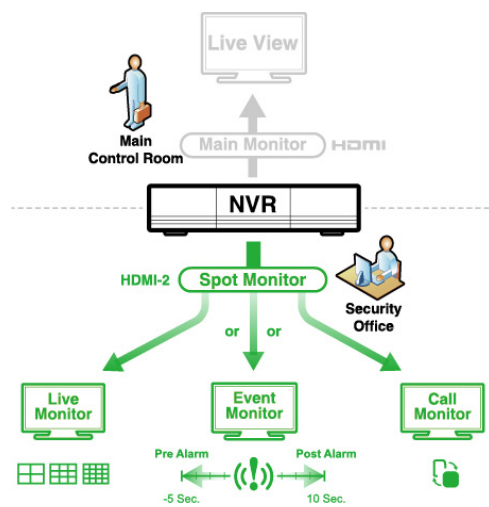
Pentabrid Video Input

- ❖ 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.

SPECIFICATIONS

▼ Video

Video System		NTSC / PAL (auto detection)
Video Compression Format		H.264
Video Signal		IP / TVI / CVI / Analog HD / 960H
Video Input		16 pentabrid channels (IP / TVI / CVI / 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 180 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

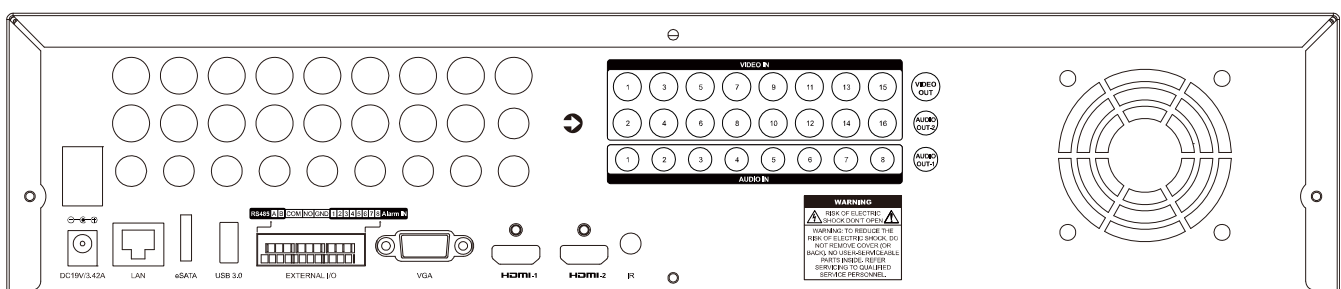|	
Hard Disk Storage	10TB SATA HDD x 3
SATA Interface	YES
eSATA Interface	YES (For external disk array connection)
Image Quality Setting	SUPER BEST / BEST / HIGH / NORMAL
USB Mouse Control	YES
Motion Detection Area	16 × 12 grids per channel
Motion Detection Sensitivity	3 adjustable parameters for accurate 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	10ºC ~ 40ºC (50ºF ~104ºF)
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

* 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).