

# AVZ316



## PENTABRID 16CH 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.



#### 4K2K Resolution Display

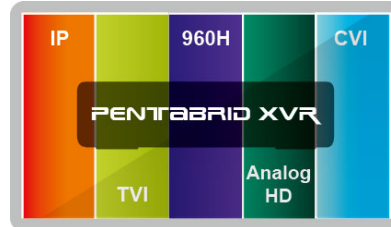
- ❖ HDMI output at up to 4K2K resolution

#### Intelligent Video Analysis

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

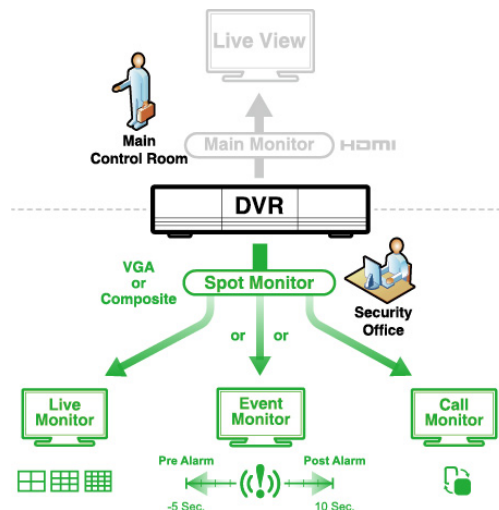
#### Pentabrid Video Input

- ❖ Supports IP / TVI / CVI / Analog HD / 960H video input
- ❖ 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.



#### Video Backup

- ❖ Regular backup could be configured to automatically copy video footages to the specified location (USB drive or FTP) at the specified time.

#### Remote Surveillance

- ❖ Fully compatible with iOS and Android devices, and Internet Explorer on Windows operating system
- ❖ CMS Lite for 32 devices central management
- ❖ Applicable also to Apple’s media player, QuickTime.

\* 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 9 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 (Spot Monitor supported)
	VGA	YES (up to 1080P resolution / Spot Monitor supported)
	HDMI	YES (up to 4K2K resolution)
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 240 IPS @ 1920 x 1080 (16 channels) Up to 480 IPS @ 1280 x 720 (16 channels)
	IP Mode	UP to 270 IPS @ 1920 x 1080 (9 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
▼ Audio		
Audio Input		4 audio inputs
Audio Output		1 Audio output (Mono)
▼ General		
Hard Disk Storage		6TB 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)**	430(W) x 65(H) x 438(D)	
Net Weight (kg)	4	
▼ Network		
Ethernet	10/100 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

