

DGD2017AIX



AVSHIELD H.265 PENTABRID 16CH XVR

FEATURES

What is AVShield?

- AVShield Analytics is AVTECH's intelligent video analytics platform, delivering advanced AI-powered detection, recognition, and event analysis capabilities. Supported functions may include human, vehicle and face detection, face recognition, perimeter intrusion, virtual fence, flow counting, license plate recognition (LPR), fire detection, and future AI-powered surveillance innovations depending on the model.

Powered by AVShield Analytics

- AVShield analytics are processed directly by the recorder while maintaining compatibility with existing HD surveillance systems. Upgrade legacy installations with advanced detection, recognition, and event analysis capabilities without replacing cameras or investing in costly AI-enabled devices.

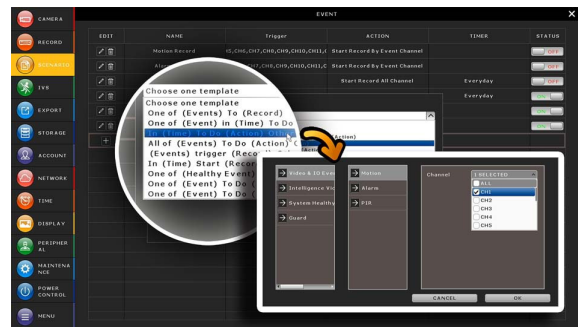


Free P2P Cloud Eazy Networking

- 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.

Scenario Customization

- Allows you to customize a series of actions which will be run automatically after the specified event occurs. There are several scenario templates for you to choose when and what to do after a specific event occurs.



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 recorder or the camera which supports external alarm device connection.
- Push Status to send instant notifications for system events, such as video loss or HDD data removal.

Product Developing & Manufacturing in Taiwan

- The SoCs adopted and product developing and manufacturing are all originated from Taiwan to secure product quality and network privacy.

▶ SPECIFICATIONS

▼ Video		
Video System		NTSC / PAL (auto detection)
Video Compression Format		H.265
Video Signal		IP / TVI / CVI / Analog HD / 960H
Video Input		16 pentabrid channels (IP / TVI / CVI / Analog HD / 960H)
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
	HDMI	YES (4K2K display)
Video Resolution	Analog Mode	8MP Lite / 5MP / 5MLITE / 4MP / 4MLITE / FHD (1080P) / HD / 960H / Frame / CIF
	IP Mode	2592 x 1944 / 2048 x 1536 / 1920 x 1080 / 1280 x 720 / 720 x 480 / 352 x 240
Live Display Mode	Local	16CH
	Remote	4CH
Playback Display Mode	Local	16CH
	Remote	4CH
▼ Record & Backup		
Max. Recording Rate	Analog Mode	Up to 112 FPS @ 8MP Lite Up to 96 FPS @ 5MP Up to 160 FPS @ 5MP Lite Up to 120 FPS @ 4MP Up to 240 FPS @ 4MP Lite Up to 240 FPS @ FHD (1080P)
	IP Mode	UP to 480 FPS @ 2592 x 1944 (5MP) / 2048 x 1536 (3MP) / 1920 x 1080
Recording Mode		Manual / Timer / Motion / Alarm / Remote
Quick Search		Time / Motion / Alarm / AVShield Event
Backup Device		USB 3.0 drive / Network
Regular Backup		YES
▼ Audio		
Audio Input		4
Audio Output		1 (Mono)
▼ External I/O		
RS485		YES
Alarm In		4 in / 2.4V(NC) or 0.3V(NO) threshold DC5V
Alarm Out		1 out / 3A@AC120V, 3A@DC24V
▼ General		
Hard Disk Storage		20TB SATA HDD x 2 + external disk array x 1 connected to the recorder via the eSATA interface
SATA Interface		YES
eSATA Interface		Expandable with a SATA to eSATA cable
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
AVShield Analytics Channel		8 channels in analog mode
AVShield Analytics Features		Face, human and vehicle detection (Flow Counting, Virtual Fence and Perimeter Intrusion can be further configured when human or vehicle detection is chosen.)
Event Notification		Push Video / Push Status / FTP / E-Mail
Event Pop-up & Preview		YES
Scenario Setup		YES
Picture Zoom		8X digital zoom

SPECIFICATIONS

▼ General		
PTZ Control	YES	
Key Lock (Password Protection)	YES	
User Level	4 user levels for different access privilege	
Video Loss Detection	YES	
Video Adjustable	Hue / Saturation / Contrast / Brightness	
Date Display Format	YY/MM/DD, DD/MM/YY & MM/DD/YY	
Daylight Saving	YES	
Power Source (±10%)	12V / 5A	
Operating Temperature	0°C ~ 40°C (32°F ~104°F)	
Operating Humidity	10% ~ 85%	
Dimensions(mm)**	319.5 x 254.9 x 52	
Net Weight (kg)	1.7	
▼ 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	Windows Edge, Google Chrome, Mozilla Firefox & Opera on Windows 10 (and later versions) and Google Chrome & Mozilla Firefox on MAC
	PC program	32CH CMS software for Windows OS
Max. online users	40	
Web Transmitting Compression Format	H.265	
Network Live Audio	YES	
Remote Event Download & Playback	YES	
▼ Mobile Surveillance		
App	EagleEyes	
Compatible Devices	iOS & Android devices	
Push Video	YES (16 channels)	
Push Status	YES	
▼ Others		
EaZy Networking	YES	
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	SATA to eSATA cable	
Certification	CE / UL (Power Adapter)	

* The VGA display will be off when the HDMI display is set to 4K2K

** Dimensional tolerance: ±5mm.

*** The specifications are subject to change without notice.

REAR PANEL

