

## Product Datasheet

Part Code: VHVR-16CH-AHD-240V

# 16 CH H.265 HD Hybrid DVR

## Key Features

- 16-CH IP-CAM and Analog-8MP (Compatible with AHD/TVI/ CVI camera) H.265 Hybrid DVR with hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
- H.265/H.264 video compression/decompression with configurable quality
- Max record capabilities: IP-CAM: 480fps@1080p, 480/400fps@720p,
- Analog: 80fps@8MP-lite, 192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H
- Max. 160Mbps incoming bandwidth for IP-CAM
- Smart search & playback
- HDMI x 1, VGA x 1, Main monitor x 1
- Audio in x 8 / audio out x 1
- eSATA connector for HDD extension
- 1 or 2 internal SATA HDDs (> 6TB/HDD)
- Alarm in x 8 / alarm out x 1
- Ethernet and USB 3G/4G dongle support for remote access through I.E. or remote app, e-mail alarm notification, FTP file storage, remote setup and software upgrade



## Specifications

System	O.S	Embedded Linux 3.0
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
Video	Format	IP-CAM: ONVIF Profile S; Analog: NTSC/EIA or PAL/CCIR or AHD/TVI/CVI
	Input	IP-CAM: up to 16-CH 1080p/720p; Analog: up to 16-CH AHD/TVI/CVI 8MP, BNC, 1Vp-p /75ohm,
	Main monitor	HDMI, with resolution up to 3840x2160, VGA, with resolution up to 2560x1600 ; BNC x 1, 1Vp-p/75ohm
	Motion detection	Yes, with configurable detection area & sensitivity
	Privacy mask	Yes
Audio	Input	8 RCA-jack connectors, line-in level (100mV-1Vrms)
	Output	HDMI; 1 RCA-jack connector, line-out level (<1Vrms)
Record	Compression	Video: H.265/H.264; Audio: ADPCM
	Max frame rate	IP-CAM: 480fps@1080p, 480/400fps@720p, Analog: 80fps@8MP-lite, 192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-l
	Mode	Manual/Schedule/Alarm/Motion

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#### Specifications...continued

Record	Pre-record time	0 - 10 seconds
	Post-record time	0 - 60 seconds
Display	Resolution	HDMI: 3840x2160; VGA: 2560x1600; CVBS
	Split windows	1/4/7/9/10/13/16
	Frame rate	Up to 30/25 FPS per display window
	Digital zoom	X2, X4
Playback	Max frame rate	80fps@8MP-lite, 192fps@5MP-lite, 240fps@4MP-lite, 320fps@3MP-lite, 240fps@1080p, 480fps@1080p-lite/720p/960H
	Search	Smart search, Date/time, Camera, Alarm, Motion & Video loss
	Operation	Play, Fast Forward, Backward, Pause, Stop, Snapshot, etc.
Storage	HDD	2 x 3.5" SATA HDDs with storage > 6TB/HDD Failure detection & privacy law supported
	HDD Extension	1 optional eSATA connector for up to 5 external HDDs
	Backup	USB 2.0 x 2; Self playback for backup files
Alarm	Input	8 contact or TTL/CMOS signals, polarity selectable
	Output	1 Normally Open or Normally Closed relay outputs
Network	Ethernet	1 RJ-45 10M/100M/1G bps Ethernet connector
	USB 3G/4G dongle	Yes
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP, RTSP, UPnP, P2P
	Remote	Support Windows 10/8/7, N-streaming live view, 1 I.E/Firefox/Chrome/App for unlimited number of DVRs, App for Mac/iPhone/iPad/Android phone and Tablet PC
Control/POS/GPS	Remote controller	1 remote controller to control up to 4 DVRs; Optional extension cable
	RS-232	1 D-type male connector for PTZ, keyboard, POS, or GPS
	RS-485	2-pin for keyboard and/or PTZ contro
Reliability	System recovery	Auto power on after power loss recovery
	Timer	Built-in real time clock
	Security	Multi-level password (4 levels, up to 18 accounts) protection with authentication key for remote access
Weights & measures	Dimensions	435(W) x 285(D) x 55(H)mm
	Weight	3.0 KG (without HDD)
Power	Source / Consumption	+12VDC / 60W Max
Operating temp	0°C ~ +55°C	60W