



AVH516A

RS485 Communication

Multicast

16CH 2MP Real-Time Video Recording

16CH 2MP NVR

Features

HD Video Recording

- HD real-time recording brings users clear images while video recording and playback
- 1920*1080 Full HD video output service, giving the best image quality on LCD / LED monitors



Multi-platform Remote Access

- Fully compatible with iPhone & iPad, and Internet Explorer on Windows operating system
- AVTECH free CMS program on both Windows and MAC OS

Powerful Storage Capacity

Support up to 3 hard disks for long-term recording and saving large amount of recording data

RS485 Communication

Capable of external device connection to extend the functionality and flexibility of your NVR

Multicast

Multicast supported to enhance the transmission efficiency among all NVRs and the CMS, helping users located in different secondary control rooms to quickly get what they want to see without video lag.



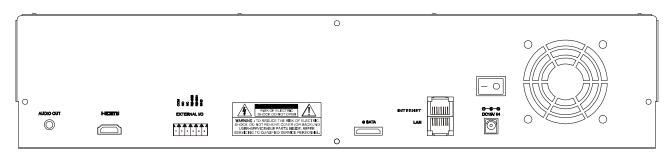
Smart Recording

High video resolution switch for events to optimize the recording efficiency of the hard disk

External Disk Array Support for More Video Storage

eSATA interface built-in to connect a disk array (up to 4-bay disk array with RAID 0 and 1) for more video storage

Rear Panel





Specifications*

Video Input Video Output Video Output Resolution Audio Output Resolution Audio Output FES HDD Storage** HDD Storage** Three 4TB hard dist eSATA Port RS-485 Port USB Ports Two USB 2.0 ports IR Remote Control Ethernet LAN port Internet port Internet port Software Video Compression Format Audio Compression Format Local / Remote Display Mode Local / Remote Playback Recording Mode Recording Throughput Pre-alarm Recording Quick Search Event Notification Remote Access (2) Video Viewer on Windows and Mara (3) EagleEyes on iOS & Android Max. Online User Multicast General VES VES VES One LAN port HDMI HDMI HDMI Verb 1920 x 1080 Tyes Three 4TB hard dist 1920 x 1	:ameras)
Video Output HDMI Video Output Resolution 1920 x 1080 Audio Output YES HDD Storage** Three 4TB hard dist eSATA Port YES RS-485 Port YES USB Ports Two USB 2.0 ports IR Remote Control YES Ethernet LAN port 1000Mbps Ethernet 1000Mbps Software Video Compression Format H.264 Audio Compression Format G711 Local / Remote Display Mode 16CH Local / Remote Playback Mode 16CH Local Single Channel Playback YES Recording Mode Manual / Event / Alarm / S Recording Throughput Up to 480 IPS @ 1920 x 1080, U Pre-alarm Recording YES Quick Search Time / Event Event Notification Push Status / Video Mail / Me Security Multiple user access levels with the push of the push o	ameras)
Video Output Resolution 1920 x 1080 Audio Output YES HDD Storage** Three 4TB hard dist eSATA Port YES RS-485 Port YES USB Ports Two USB 2.0 ports IR Remote Control YES Ethernet LAN port 1000Mbps Ethernet LAN port 1000Mbps Video Compression Format 1000Mbps Video Compression Format H.264 Audio Compression Format G711 Local / Remote Display Mode 16CH Local / Remote Display Mode 16CH Local Single Channel Playback YES Recording Mode Manual / Event / Alarm / S Recording Throughput Up to 480 IPS @ 1920 x 1080, U Pre-alarm Recording YES Quick Search Time / Event Event Notification Push Status / Video Mail / Me Security Multiple user access levels wind windows and Ma (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User 18 <	
Audio Output YES HDD Storage** Three 4TB hard dist eSATA Port YES RS-485 Port YES USB Ports Two USB 2.0 ports IR Remote Control YES Ethernet LAN port 1000Mbps Ethernet LAN port 1000Mbps Software Video Compression Format H.264 Audio Compression Format G711 Local / Remote Display Mode 16CH Local / Remote Playback Mode 16CH Local Single Channel Playback YES Recording Mode Manual / Event / Alarm / S Recording Throughput Up to 480 IPS @ 1920 x 1080, U Pre-alarm Recording YES Quick Search Time / Event Event Notification Push Status / Video Mail / Me Security Multiple user access levels with the security of the push of the security of t	
HDD Storage** Three 4TB hard dist eSATA Port	
eSATA Port YES RS-485 Port YES USB Ports Two USB 2.0 ports IR Remote Control YES Ethernet LAN port 1000Mbps Tinternet port 1000Mbps Software Video Compression Format H.264 Audio Compression Format G711 Local / Remote Display Mode 16CH Local / Remote Playback Mode 16CH Local Single Channel Playback YES Recording Mode Manual / Event / Alarm / S Recording Throughput Up to 480 IPS @ 1920 x 1080, U Pre-alarm Recording YES Quick Search Time / Event Event Notification Push Status / Video Mail / Me Security Multiple user access levels with the push of the push	
RS-485 Port YES	.S
USB Ports	
R Remote Control	
Ethernet LAN port 1000Mbps Internet port 1000Mbps Software Video Compression Format H.264 Audio Compression Format G711 Local / Remote Display Mode 16CH Local / Remote Playback Mode 16CH Local Single Channel Playback YES Recording Mode Manual / Event / Alarm / S Recording Throughput Up to 480 IPS @ 1920 x 1080, U Pre-alarm Recording YES Quick Search Time / Event Event Notification Push Status / Video Mail / Me Security Multiple user access levels with the second of the second	
Software Video Compression Format Audio Compression Format Local / Remote Display Mode Local / Remote Playback Mode Local Single Channel Playback Recording Mode Recording Throughput Pre-alarm Recording Quick Search Event Notification Security Remote Access Internet port Internet po	
Video Compression Format Audio Compression Format Local / Remote Display Mode Local Single Channel Playback Recording Mode Recording Throughput Pre-alarm Recording Quick Search Event Notification Remote Access Max. Online User Video Compression Format H.264 H.264 H.264 H.264 H.264 Audio Compression Format G711 Local / Remote Display Mode 16CH Local Single Channel Playback YES Manual / Event / Alarm / S Up to 480 IPS @ 1920 x 1080, U Time / Event Video Mail / Me (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User Multicast	
Video Compression FormatH.264Audio Compression FormatG711Local / Remote Display Mode16CHLocal Single Channel Playback Mode16CHLocal Single Channel PlaybackYESRecording ModeManual / Event / Alarm / SRecording ThroughputUp to 480 IPS @ 1920 x 1080, UPre-alarm RecordingYESQuick SearchTime / EventEvent NotificationPush Status / Video Mail / MeSecurityMultiple user access levels with the security of the secur	
Audio Compression Format Local / Remote Display Mode Local / Remote Playback Mode Local Single Channel Playback Recording Mode Recording Throughput Pre-alarm Recording Quick Search Event Notification Remote Access Remote Access Manual / Event / Alarm / S Push Status / Video Mail / Me (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User Multicast	
Local / Remote Display Mode Local / Remote Playback Mode Local Single Channel Playback Recording Mode Recording Throughput Pre-alarm Recording Quick Search Event Notification Security Remote Access Remote Access Manual / Event / Alarm / Security Pre-alarm Recording YES Quick Search Time / Event Push Status / Video Mail / Meter Security (1) Internet Explorer on Windows and Mater Security (2) Video Viewer on Windows and Mater Security Multicast Max. Online User 18 Multicast	
Local / Remote Playback Mode Local Single Channel Playback Recording Mode Recording Throughput Pre-alarm Recording Quick Search Event Notification Security Remote Access Remote Access Manual / Event / Alarm / S Up to 480 IPS @ 1920 x 1080, U Time / Event Push Status / Video Mail / Me Security Multiple user access levels wit (1) Internet Explorer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User 18 Multicast	
Local Single Channel Playback Recording Mode Recording Throughput Pre-alarm Recording Quick Search Event Notification Security Remote Access Remote Access Manual / Event / Alarm / S Multicast YES Manual / Event / Alarm / S Up to 480 IPS @ 1920 x 1080, U Time / Event Time / Event Push Status / Video Mail / Me (1) Internet Explorer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User 18 Multicast	
Recording Mode Manual / Event / Alarm / S Recording Throughput Up to 480 IPS @ 1920 x 1080, U Pre-alarm Recording YES Quick Search Time / Event Event Notification Push Status / Video Mail / Me Security Multiple user access levels with (1) Internet Explorer on Windows and Ma (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User 18 Multicast YES	
Recording Throughput Pre-alarm Recording Quick Search Event Notification Security Remote Access Remote Access Multiple User (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Multiple User Multiple User 18 Multicast	ah a dula
Pre-alarm Recording Quick Search Event Notification Security Remote Access Remote Access Multiple User (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User Multicast YES	
Quick Search Event Notification Push Status / Video Mail / Me Security Multiple user access levels with (1) Internet Explorer on Windows of (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User Multicast Time / Event Push Status / Video Mail / Me (3) Internet Explorer on Windows of (3) EagleEyes on iOS & Android Max. Online User 18	p to 120Mbps
Event Notification Security Multiple user access levels win (1) Internet Explorer on Windows of (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User Multicast YES	
Security Multiple user access levels with the control of the cont	
Remote Access (1) Internet Explorer on Windows of (2) Video Viewer on Windows and Max (3) EagleEyes on iOS & Android Max. Online User 18 Multicast YES	ssage Mail
Remote Access (2) Video Viewer on Windows and Ma (3) EagleEyes on iOS & Android Max. Online User 18 Multicast YES	h password
Multicast YES	c operating system
General	
Power Source (±10%) DC19V / 3.42A	
Power Consumption (±10%) 17.5W (without a hard disk of the constraint of the constr	•
Operating Temperature $10^{\circ}\text{C} \sim 40^{\circ}\text{C} (50^{\circ}\text{F} \sim 10^{\circ}\text{C})$	· · ·
Dimensions (mm)*** 432(W) × 90(H) × 326	(D)
Net Weight 4 Kg	ANAD
 Intel core i3 or higher, or equivalented 2GB RAM Minimum PC Browsing Requirements AGP graphics card, Direct Draw, 3 Windows 7, Vista & XP, DirectX 9.0 Internet Explorer 7.x or later 	2MB RAM
Optional Peripherals Full HD Matrix (HDM02) / Rack Mount	

^{*}The specifications are subject to change without notice

Optional Bracket

■ PP-AVC787-00K

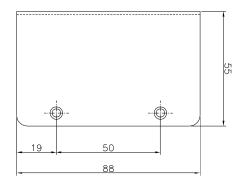
Used to mount to a rack.

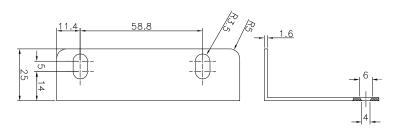


^{**} HDDs are optional.

^{***} Dimensional tolerance: .±5mm

AVTECH





Dimensional tolerance: ± 5mm