AVS-1604

HD-AVS 4 Channel 720P 1.5U Standalone DVR

The median range of HD-AVS recorders – the AVS-1600 series. Available in a 4, 8, and 16 channel offering, the AVS-1600 series recorder is well suited for locations that need longer durations of HD recording, when the 1200-1400 series can't deliver. This unit supports up to 4 HDD's internally. Due to its size (1.5U, 19'' wide), the AVS-1600 series DVR is perfect for installation on rack mount, or a desktop. The AVS-1600 series is the latest breakthrough in HD over COAX technology.

AVS technology enables the greatest streaming resolution possible (720P), over traditional COAX cable. This cutting edge break through enables video, audio, and PTZ data transmission over a single COAX cable, at distances of up to 1500'. The AVS-1600 series recorders will record and stream 720P resolution at 30 FPS (frames-per-second) on every input, giving it high-end features while maintaining a low price tag. This DVR is well suited for installations such as: large offices, financial institutions, and educational institutions. By using this device, you can effectively retrofit previous standard definition analog systems with high definition video, and minimal effort.

Like all IC Realtime series recorders, this device utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an embedded system design, as well as a Linux Operating System, resulting in high levels of stability, performance, and most importantly: reliability. In addition, this unit is fully operational from remote locations (Search/Playback/Backup/Configuration) over standard Ethernet networks.

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Features

- Up to 4/8/16 cameras with 1080p realtime preview
- H.264 dual-stream video compression
- All channel 720P
- HDMI / VGA/BNC simultaneous video output
- 4/8 channel synchronous realtime playback, GRID interface & smart search3D intelligent positioning with IC Realtime PTZ dome camera
- Support 4 SATA HDD up to 16TB, 1 eSATA up to 16TB,3 USB2.0
- Multiple network monitoring: Web viewer, SmartICRSS, ICRSS Pro, & ICVIEW

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Specifications

Model	AVS-1604
System	
Main Processor	Embedded processor
Operating System	Embedded LINUX
Video	
Input	
Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)
Audio	
Input	4 channel, BNC
Output	1 channel, BNC
Two-way Talk	Reuse audio input/output channel 1
Display	
Interface	1 HDMI, 1 VGA, 1BNC
Resolution	1920x1080, 1280x1024, 1280x720, 1024x768, 800x600
Display Split	
Privacy Masking	4 rectangular zones (each camera)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Recording	
Video/Audio Compression	H.264/G.711
Resolution	720P(1280x720 / 1280x600) / 960H(960x576/960x480) / D1/4CIF(704x576/704x480) / CIF(352x288/352x240) / QCIF(176x144/176x120)
Record Rate	Main Stream: 720P/960H/D1/HD1/2CIF/CIF(1~25/30fps) Extra Stream: CIF/QCIF(1~25/30fps)
Bit Rate	48~6144Kb/s
Record Mode	Manual, Schedule(Regular(Continuous), MD), Stop
Record Interval	1~60 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec
Video Detection & Alarm	
Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Spot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank
Alarm Input	6 channel
Relay Output	
Playback & Backup	
Sync Playback	
Search Mode	Time/Date, MD & Exact search (accurate to second)
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	USB Device/Network
Network	
Ethernet	RJ-45 port (10/100M/1000M)
Network Functions	HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android, Windows Phone
Storage	
Internal HDD	4 SATA port, up to 16TB

External HDD	1 eSATA port (Max 4 SATA HDDs), up to 16TB
Auxiliary Interface	
USB	3 ports (2 Rear), USB2.0
RS232	1 port, For PC communication & Keyboard
RS485	1 port, For PTZ control
General	
Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	
Working Environment	-14°F - 122° F (-25°C - 50° C) 90% RH
Dimensions (W×D×H)	1.5U, 17.32"×18.11"×2.68" - 440mm×460mm×68mm
Weight	13.23lb - 6kg (without HDD)

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