



Product Highlights

- High Performance Network DVR Server for Complete IP Network DVR Solution with IP camera, Video Encoder, etc
- Up to 16-Channel Standalone Network DVR Server
- MPEG4 Video Codec Support : up to D1 Resolution (Option : H.264 Video Codec)
- Four(4) SATA Type HDD Support (RAID 1 Configuration Available)
- High Performance RISC Microprocessor + Video Processor Architecture
- Easy System Firmware Upgrade on the Basis of High Performance Embedded RISC CPU and Video Processor
- Various DVR Control Interface : Remote Controller, USB Mouse, Smart DVR Manager
- Various Video Output Interface for HDTV, LCD Monitor Display: Component, DVI, S-Video, RCA
- MIC input Interface for IP audio broadcasting
- Support various video encoders, video routers, IP cameras of AddPac Technology
- One(1)-Port 10/100/1000Mbps Gigabit Ethernet
- One(1) RS-232 Port for CLI (RJ45 Interface)
- Two(2) USB 2.0 Host Mode Interface for USB Mouse, Keyboard, Memory, etc. : Front, Back Side Panel Each one
- Remote Firmware Upgrade using FTP & TFTP Protocol
- Support PC based Smart DVR Viewer & Manager
- Support Smart Network Manager System for Network DVR solution
- APOS Guarantees Scalability, Reliability, Stability

AP-SNR1016 Standalone Network DVR Server

AP-SNR1016 Standalone 16-Channel Network DVR Server is the next generation high performance digital video recording and processing system on network-basis, which combines the advantages of both Standalone and Network DVR. The AP-SNR1016 has one(1) 10/100/1000Mbps Gigabit Ethernet interface and has been designed to mount 4 modules of 3.5-inch HDD in SATA Type into its slots and can be configured in RAID1 Redundancy Configuration. This DVR server has the video output interface of Component, S-Video, RCA and DVI interface to support High Definition (720P) DVR Monitoring through HDTV or LCD monitors.

AP-SNR1016 can be controlled by USB mouse, remote controller and network-based Smart DVR Manager. AP-SNR1016 has been designed for easy-to-control, by using menu driven method of OSD on HDTV, such as camera registration and screen-split, which is directly connected to AP-SNR1016, without PC. Also MS-Window-based Smart DVR Manager program can be used to configure the settings of many features for AP-SNR1016 easily and remotely.

Maximum 16 IP cameras or Video Encoders(MPEG4, H.264 D1 Resolution) can be connected to AP-SNR1016 Standalone Network DVR server. When many AP-SNR1016 DVR servers are installed and operated in one site (for instance, 25 IP cameras are used), the stacking feature of Smart DVR Viewer can be used. Smart DVR Viewer is capable of receiving the video data transmitted from many AP-SNR1016 DVR servers. The viewer can take the MPEG-4/H.264 based multi-channel live video bit streams, transmitted from 25 IP cameras by TCP/IP and then processes MPEG-4/H.264 decoding, displays on the Window screen. Depending on PC performance, 32 and 64-party screen can be provided in near future.

AP-SNR1016 Standalone Network DVR Server has an audio input interface on its rear panel for connecting an external microphone. So IP based voice broadcasting service can be provided to the IP cameras connected to AP-SNR1016 through IP network. The amp speaker connected to the IP Camera provides the necessary audio broadcasting service for unattended duty, traffic control, monitoring environment and disaster preparedness. The system control for broadcasting can be configured through OSD of AP-SNR1016, by a remote control or mouse. OSD has been designed. In addition, AP-SNR1016 DVR Server provides an efficient audio broadcasting feature by preset speed-dial number when the server is used with the AddPac IP Video Phone (example: AP-VP280).

AP-SNR1016 Applications

- Standalone Network DVR Solution
- IP Voice Broadcasting System

Hardware Specifications

CPU	High Performance RISC Processor + Video Processor
Memory	64MB Flash Memory 128MB DDR Main Memory
Network Interface	1-port 10/100/1000Mbps Gigabit Ethernet for WAN Interface
Console Interface	1-Port RS-232C Console Interface for CLI (RJ45)
HDD Interface	Four(4) SATA Type HDD Mount Slot
Video Output Interface	Component, S-video, RCA, DVI Video Output Port for HDTV, LCD Monitor, etc
Audio Output Interface	RCA Type Stereo Audio Output Interface (Left, Right)
MIC Input Interface	External MIC input interface for IP audio broadcasting
USB interface	Two(2) USB 2.0 Host Mode interface for USB Mouse, etc. Front, Back Side Each one
Remote Control	IrDA Remote Controller (Front), Line Extension (Back Side) for out of sight application
Operation Environment	Temperature 0℃ ~ +45℃(operating), -40℃ ~ +85℃ (storage), Humidity 5% ~ 95%
Power Supply	AC110~220VAC 50/60Hz Free Voltage, 122Watt
Demension	88mm x 430mm x 424mm (H x W x D)
Weight	8Kg

Standalone Network DVR Service

Number of IP Cameras	Up to Sixteen(16) Channel
IP Camera Types	AddPac IP Camera, Video Router, Network Camera, etc,
Video Codec	MPEG4, H.264 Video Codec
Video Resolution	D1, VGA, CIF, QVGA
DVR Control Interfaces	Menu Driven OSD (On Screen Design) on HDTV : USB Mouse, Remote Controller Network based Remote Control : Smart DVR Manger Program (MS-Window) Live Display on HDTV(720P) or LCD Monitor Smart DVR Viewer for Remote Display on PC (Web or MS window based Client Viewer) Achieve Display (Recorded video), Pan/Tilt/Zoom control ,etc
DVR Viewer	
DVR Stacking (Cascading)	Support DVR Stacking Service using Smart DVR Viewer
File Backup	File Backup Manager (MS-Window Program)

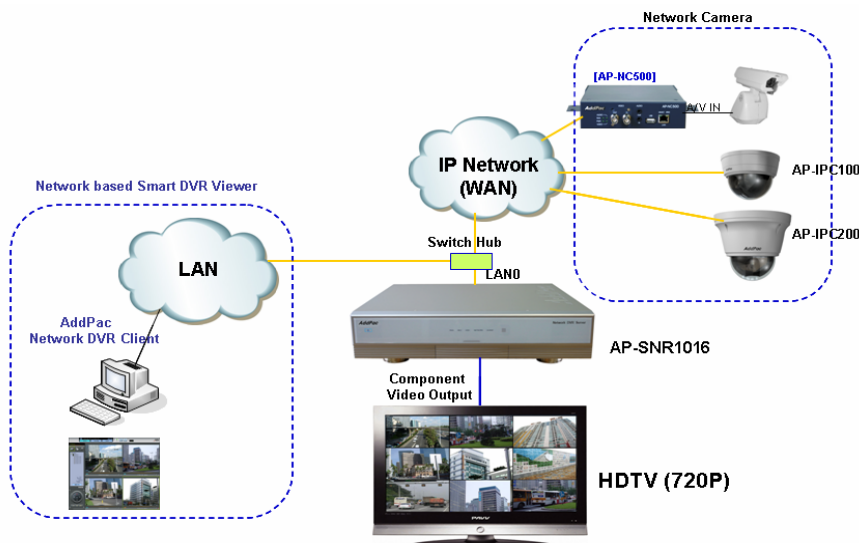
OSD Menu Tree

Camera	Camera List, New Camera, New Group, New Sequence
Displayer	Displayer List, Archive List, New Displayer
User & Group System	User List, Group List, New User, New Group Viewer List, Manager List, Config, Monitoring, Live Session, Play Session, Recording Session, Sequence Session
Tool Box	Date & Time, Save All, Factory Default, Information, Language Setup
AV Setup	Volume, Display
Network Applications	Internet Setup, Network Status, Auto Upgrade Snap Shot Setup, Mouse Setup, USB Setup

WAN, IP Routing and Other Features

WAN Protocol	Point-to-Point Protocol (PPPoE) for ADSL
IP Routing	IPv4 Static and IEEE 802.1Q VLAN Routing
Network Management	Standard SNMP Agent (MIB v2) Support, Telnet, Web Based Management, Remote Firmware (APOS) Upgrade via FTP/TFTP Support
Security Features	IP Packet Filtering, Access List, Access Control and Data Protections, Enable/Disable for Specific Protocols Multi-level User Account Management, Auto-disconnect for Telnet/Console Sessions, PPP User Authentication Support (PAP/CHAP)
Operation & Management	Performance Analyzing (Process, CPU, Interface), Configuration Backup and Restore for APOS Management, Debugging and Diagnosis Features, System Booting/Rebooting through Watch-Dog, Data Logging Features, IP Traffic Statistics through Accounting Support
Other Features	DHCP Server and Relay, Network Address Translation (NAT), Port Address Translation (PAT), IEEE Standard Transparent Bridging (Spanning Tree Bridging and Concurrent Routing Bridging Protocol), Network Time Protocol (NTP), DNS Proxy, UPnP, MAC Address Filter Service, etc.

AP-SNR1016 Network Diagram



Ordering Information

- AP-SNR1016 Standalone Network DVR Server
4 SATA HDD Slot
- REMOCON Remote Controller for AP-SNR1016
- CAB-LAN LAN Cable
- CAB-CON Console Cable
- CAB-COM Component Cable for HDTV Connection