



Linphone



Mobile Smart Phone, PAD based Emergency Video Call Center Application



AddPac Video Product Smart Phone
Interworking Service (Ex : LinPhone App.)



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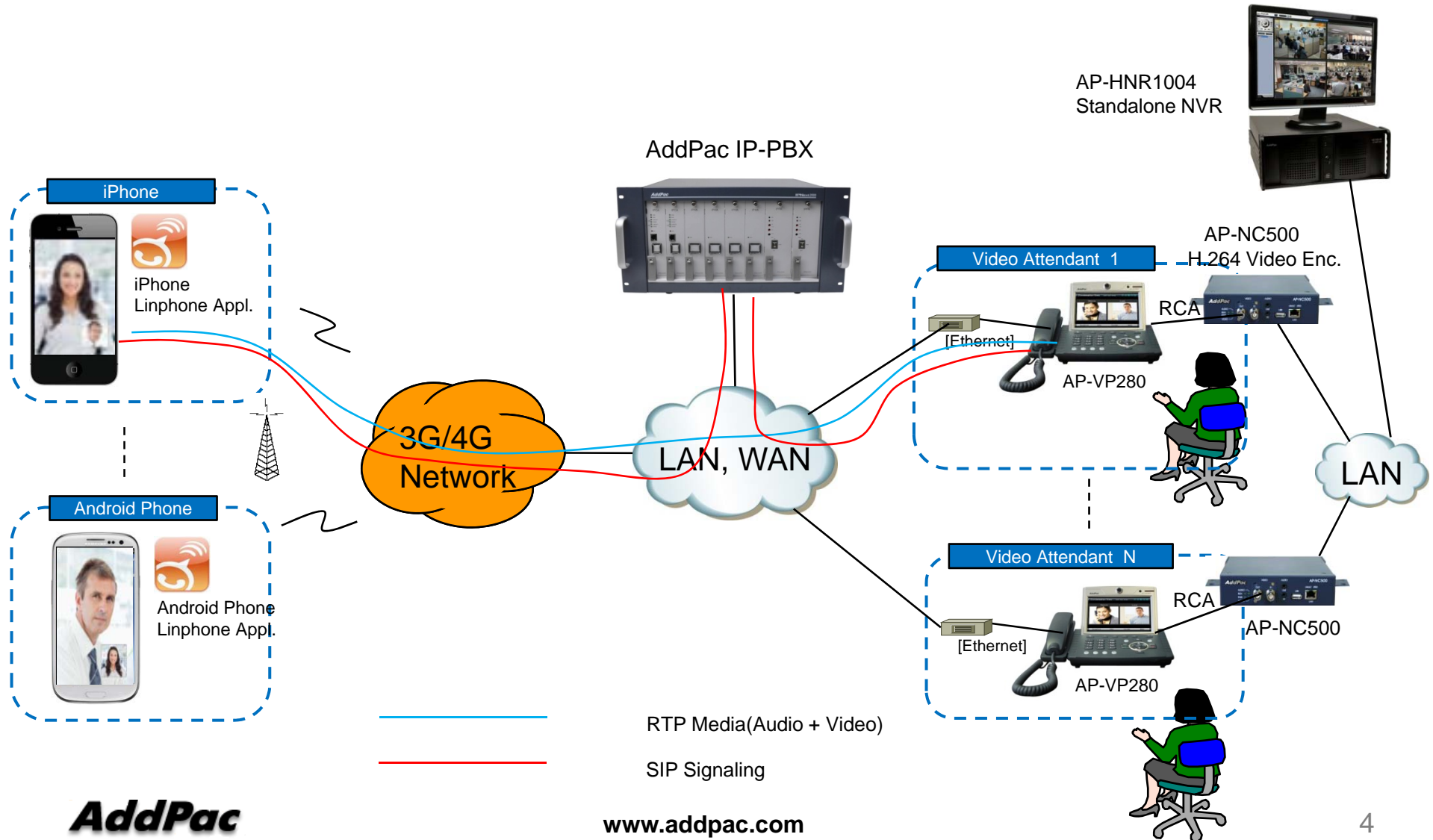
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 - Video Encoder : AP-NC500 (SIP Call based Video Encoder)
 - Standalone NVR : AP-HNR1004 (SIP Call based Video Recording Server)

Linphone Smart Phone Appl. Overview

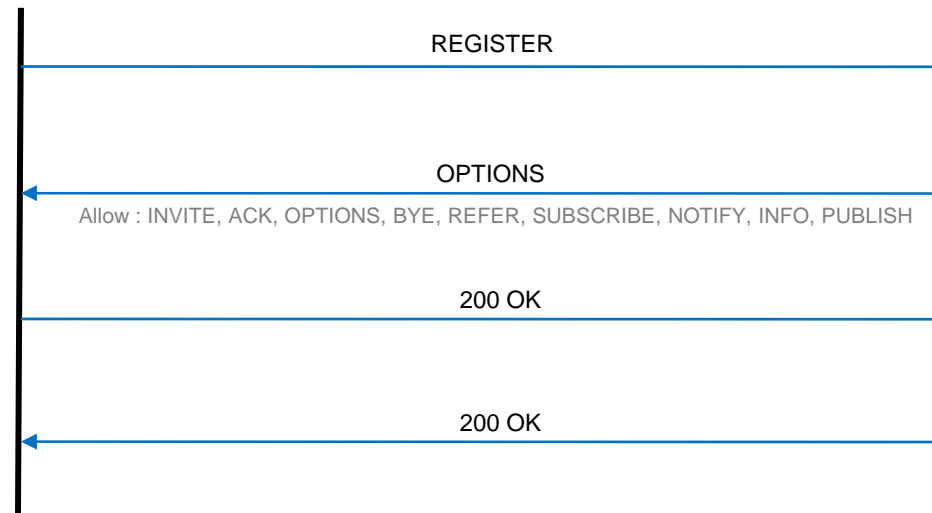
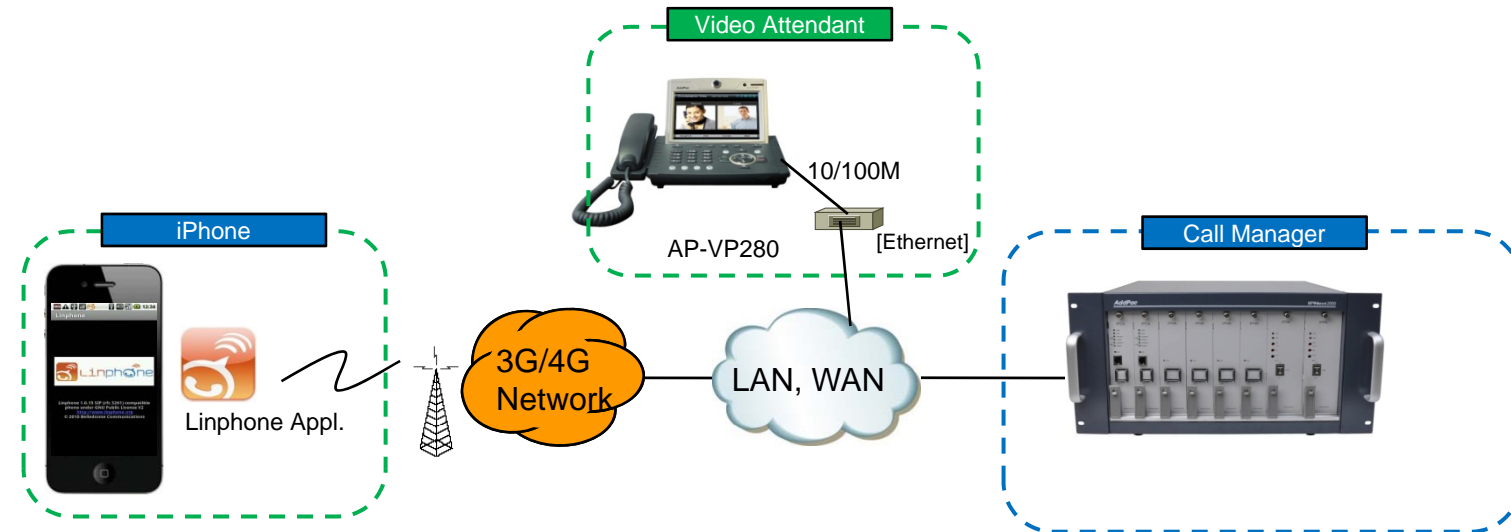
- Open source **Video SIP Phone** for mobile.
 - Support for Android and iPhone/iPad(with video support)
- SIP user agent compliant with RFC3261
- DTMF (telephone tones) support using SIP INFO or RFC2833
- Support for voice and video codec
 - Voice Codec : G.711ulaw/alaw, G.722, G.729 ...
 - Video Codec : H264, etc

Smart Phone Video Interworking Service Diagram

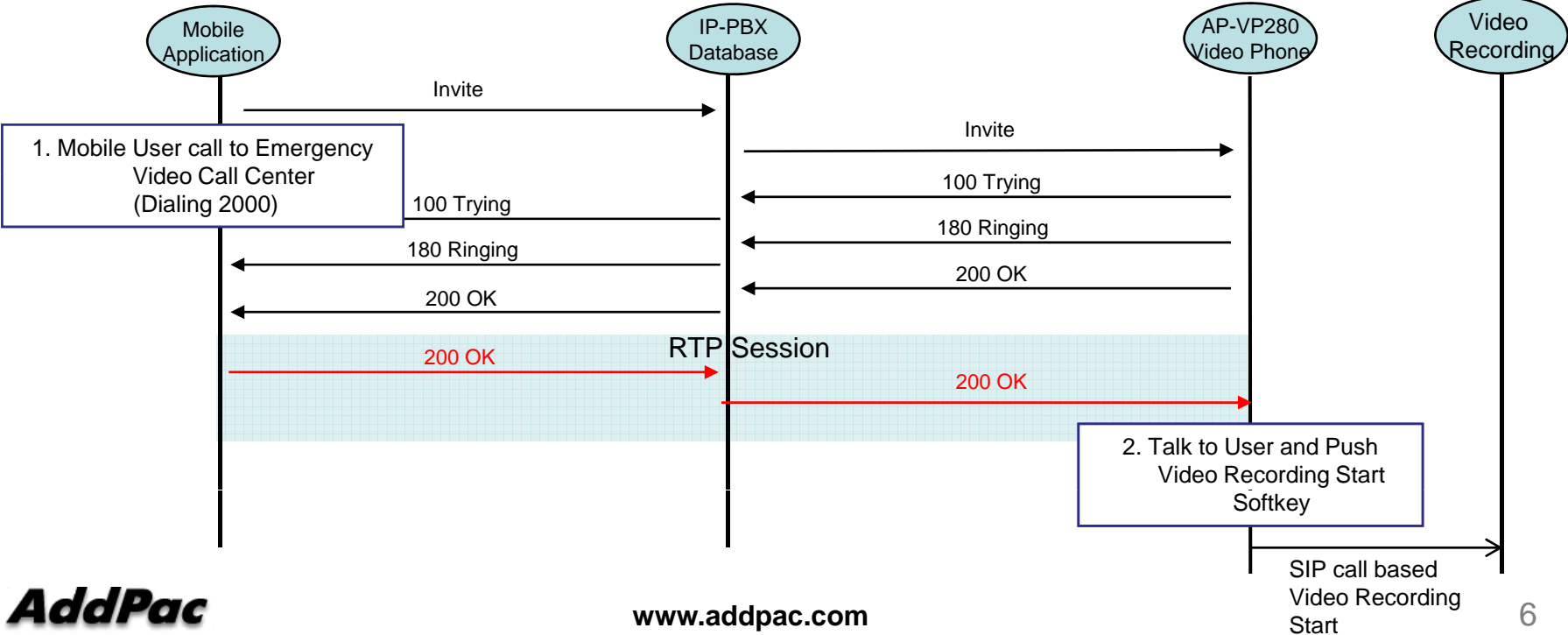
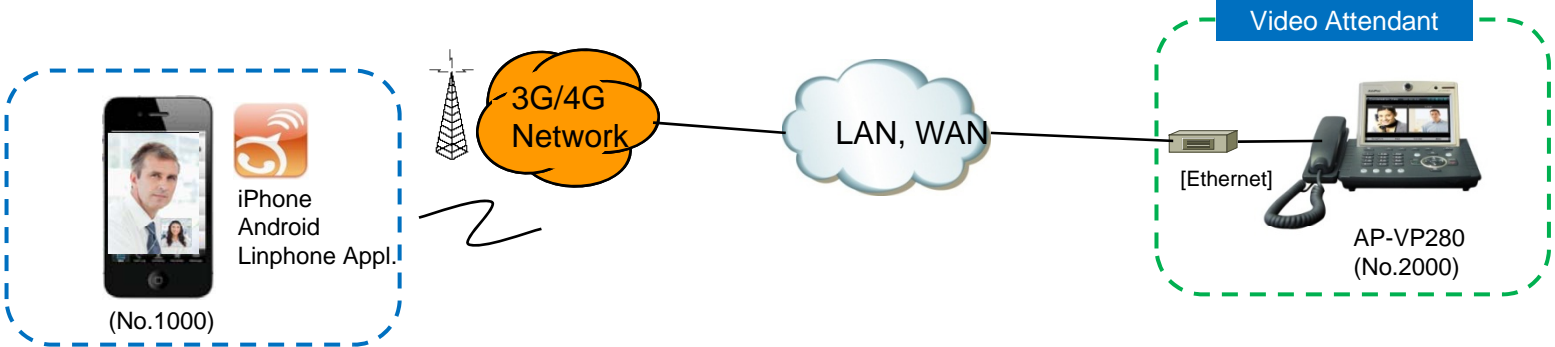


SIP Register

Linphone Application Register to AP-ACS1000



SIP Video Call Flow





Smart Phone based Emergency Video Call Center Solution

IPNext2000 IP-PBX



IPNext2000 IP-PBX Main Features

- SIP Application Server, Proxy, Registrar and Location Server
- Multiple ITSP Trunk with SIP & H.323 Accounts Support
- Dual System Redundancy Architecture
 - Two(2) Gigabit Ethernet Interface / System
- High Performance RISC Architecture
- Powerful Network Protocols (PPPoE, DHCP, Static Routing, etc)
- IPv4/IPv6 Dual Stack
- RTP Proxy Function Embedded for Private IP and IPv6 Address Interworking
- User Presence Service Features for Smart Multimedia Messenger and Smart IP Phone
- IVR Scenario Editor, Voice Mail, Media Service (Coloring), Conference
- Firmware Upgradeable Architecture
- Smart Multimedia Manager for IP-PBX Management
- Smart Messenger Service (click to dial) for Unified Communication
- Smart NMS for Large Scale Deployment
- Advanced Voice QoS Mechanism
- Dual Redundancy Power Module

Hardware Specification

IPNext2000 Next Generation IP-PBX System



IPNext2000 Front Side



CPU Board
(Hot-Swap)

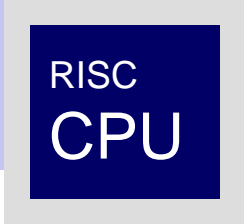
Dual 3.5 Inch
HDD Disks(RAID1)
: Hot-Swap

Power On/Off Switch
for System

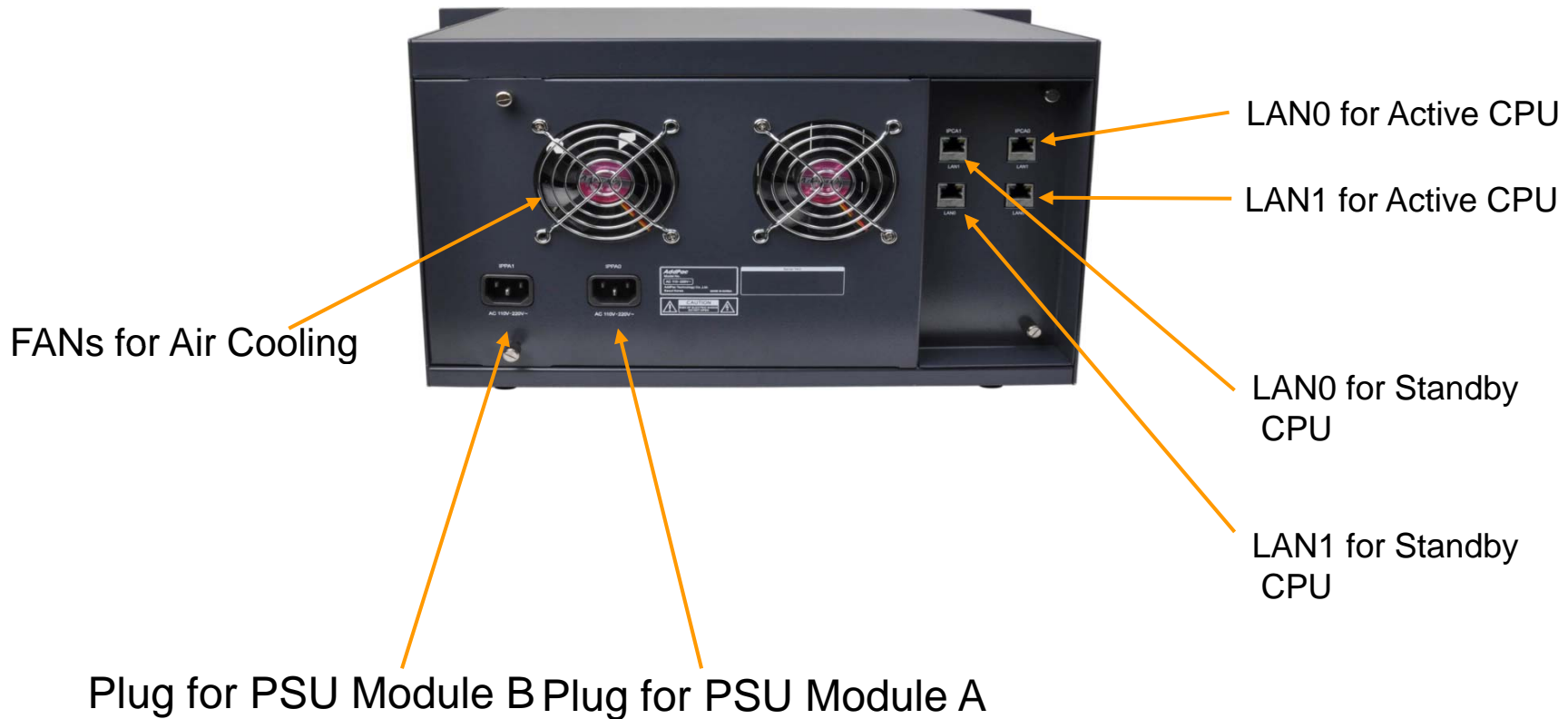
Dual Power Supply
Modules
(Hot-Swap)

Hardware Specification

IPNext2000 Next Generation IP-PBX System





IPNext2000 Back Side





IP Video Phone

AddPac IP Video Phone Table

	AP-VP500	AP-VP300N	AP-VP280	AP-VP250	AP-VP230	AP-VP150	AP-VP120
							
LCD Size	12.1 Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	4.3Inch Touch Screen	5Inch Touch Screen	4.3Inch Touch Screen	4.3Inch
Camera	CCD	CCD	CMOS	CMOS	CMOS	CCD	CMOS
Video Codec	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Video MCU	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Voice MCU	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party
LAN Port	2	2	2	2	2	2	2
PoE	N/A	Support	N/A	Support	Support	Support	Support

Product Overview

AP-VP280 Video Phone

- 7 Inch LCD Display, Touch Screen, Remote Controller
- External Video Interface
 - Composite (RCA) Video In/Out, S-Video Out
 - Audio (RCA) In/Out
- High-performance Video Codec Support
 - H.263, MPEG-4, JPEG, and H.264
- High-performance Audio Codec Support
 - G.722(16KHz), G.711,G.729,G.723.1 ,etc
- Powerful Image Resolution Support
 - QCIF(176x144), CIF(352x288), QVGA(320x240), and VGA(640x480)
- Up to 30fps at 1Mbps with VGA-Resolution(MPEG-4)
- Video Conference Call Support (AddPac MCU Inter-working)
- SIP, H.323 Signaling Support
- Rate Control for Video Traffic QoS
 - Ensuring Optimized Quality, Frame Rate with Limited Bandwidth
- High-end Error Resilient Against Various Packet Error

Hardware Specification

AP-VP280 Video Phone

RISC
CPU

High-end
DSP

- RISC Microprocessor Computing Power
- High-end Programmable DSP Hardware Architecture
- Powerful Video Interface
 - RCA Video Input/Output, S-Video Output
- High quality Audio and Voice Interface
 - Stereo Audio Input & Output Connector
- Network Interface
 - Two(2) 10/100Mbps Fast Ethernet
 - One(1) RS-232C Console
 - One(1) USB 1.0 Interface
- PSTN Interface
 - One(1) FXO(RJ11) interface



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AP-NC500 Video Encoder



Main Features

AP-NC500 Video Codec

- IP based Audio/Video Encoding/Decoding Solution
- Various Video Codec Support : H.264, MPEG4
- Up to D1 Video Resolution
- RTSP, TCP/UDP Protocol Support
- IP based Network Surveillance Solution
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Video Solution with Outstanding Network Service Capability
- Audio/Video Privacy Protection
- External DC Power Supply Adaptor
- Compact Chassis

Hardware Specification

AP-NC500 Video Codec

Hardware Specification

AP-NC500 Front View



Video In/Out Port



Audio In/Out Port

10/100Mbps LAN Port



Power On/Off Switch

DC Power Supply

2 Alarm Input, 1 Relay Out

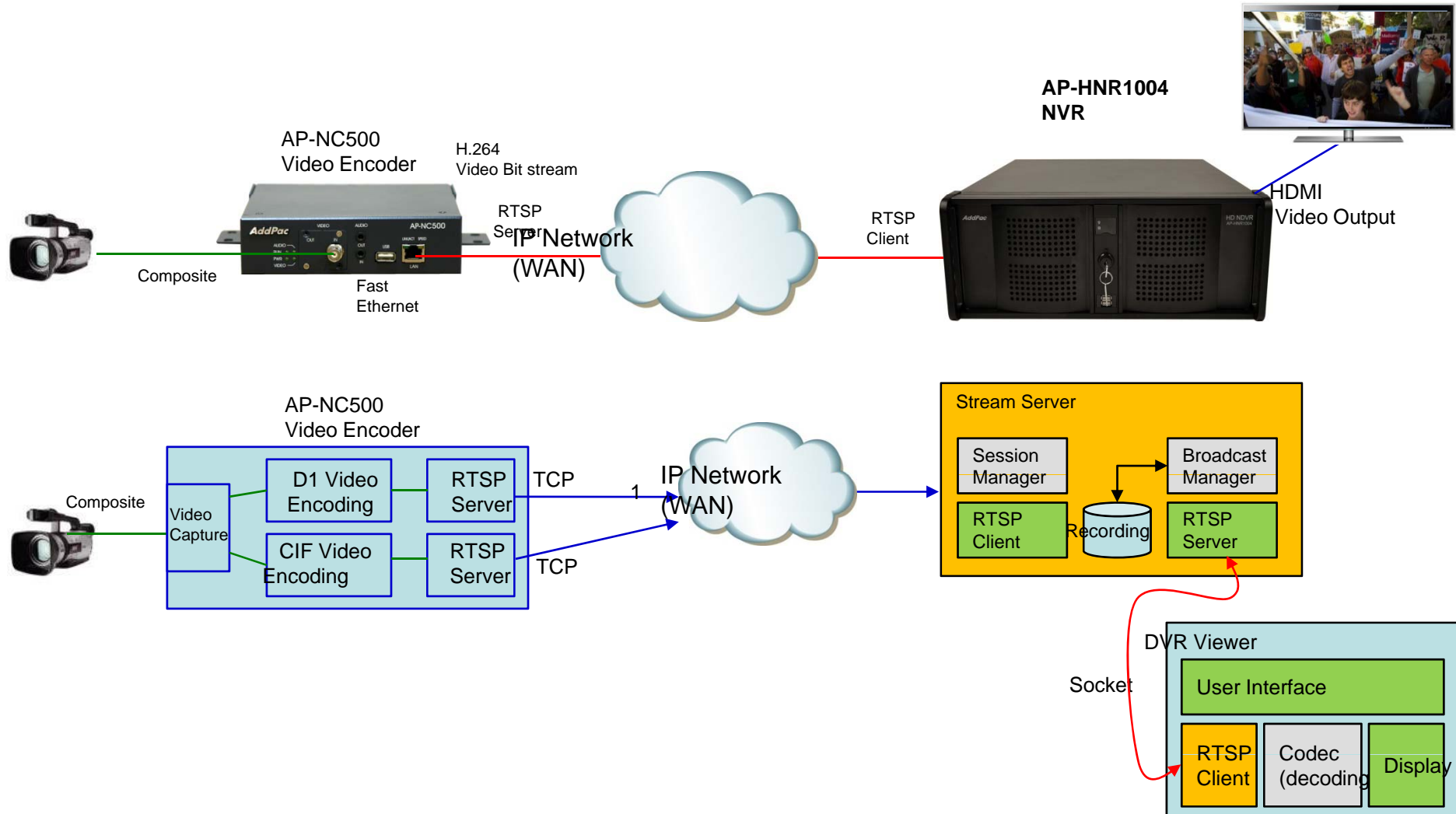
RS-232C, RS422 Interface

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RTSP Service Network Diagram

AP-NC500 Video Codec



AP-HNR1004

Standalone Network DVR



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Product Overview

AP-HNR1004 Standalone Network DVR

- High-Performance 4 Channel HD Standalone Network DVR Features
- H.264 Video Codec BP/MP/HP
- Full HD, HD, D1 Video Resolution Support
- Video Out : HDMI, DVI, RGB Interface
- HD Video Recording and Streaming Service
- Smart DVR Viewer Support (MS-Window S/W)
- Smart DVR Manager Support (MS-Window S/W)
- File Back Manager Support (MS-Window S/W)
- Powerful Management and User Friendly Features
- High-performance Audio and Video Service
- Firmware Upgradeable Architecture
- Up to 4 x 3.5Inch Hard Disk (SATA Type)
- One(1) DVD Writer for Video File Backup
- One(1) 10/100/1000Mbps Gigabit Ethernet Interface
- IR Input interface for Remote Control (Remocon)
- USB Interface Support (Front Side, Back Side)

Hardware Specification

AP-HNR1004 Standalone Network DVR

- High Performance Computing Power
- Main Chassis
 - Network Interface
 - One(1) 10/100/1000Mbps Fast Ethernet
 - Video Output Interface
 - HDMI, DVI,RGB Video Output
 - USB 2.0 Interfaces for Mouse, Keyboard, etc
 - IR Input port for Remote Control
 - Up to Four(4) Hard Disk





Thank you!

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