



# AP-NR10000

## IP Video Recording Server

High-performance IP Video Recording Solution

Product Overview



**AddPac**

**AddPac Technology**

Sales and Marketing

[www.addpac.com](http://www.addpac.com)

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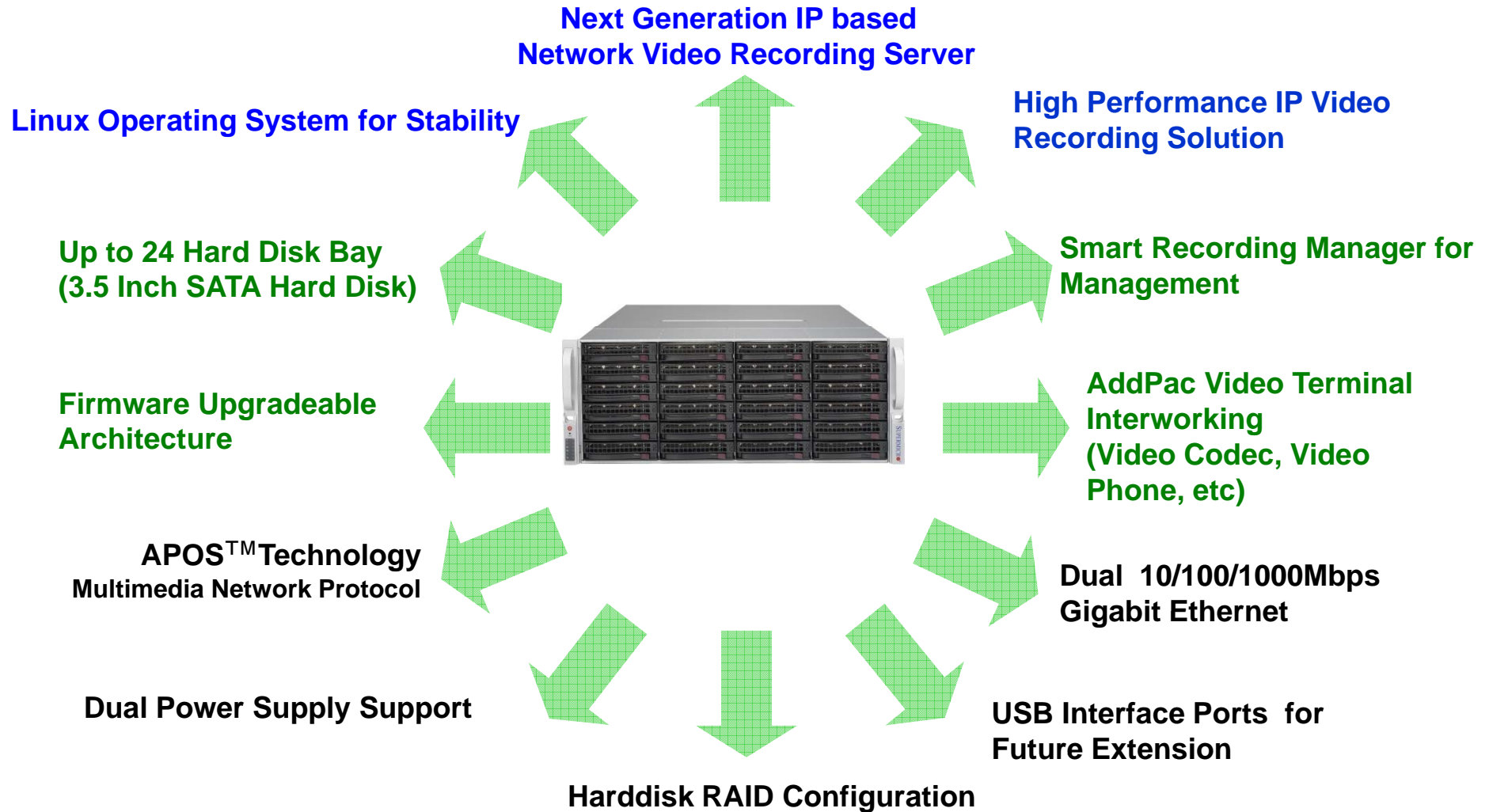
# Product Overview

## AP-NR10000 IP Video Recoding Server

- IP based Network Video Recording Server
- Linux Operating System
- Powerful Management and User Friendly Features
- High-performance Video Recording Service
- External AddPac Video Terminal (Ex: Video Phone) Interworking Support
- Firmware Upgradeable Architecture
- 24 Harddisk Bay
- Harddisk Raid Support (LSISAS RAID 0,1,5,6,10,50,60)
- Dual Power Supply
- SATA2/SATA3 Harddisk Support

# Product Highlights

## AP-NR10000 IP Video Recording Server



# Hardware Specification

## AP-NR1000 IP Video Recording Server

- High Performance Computing Power
- System Hardware Specification
  - Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4†/ v3 and E5-1600 v4†/ v3 family
  - Up to 1TB† ECC 3DS LRDIMM , up to DDR4- 2400†MHz ; 8x DIMM slots
  - Intel® C612 Express PCH
  - 24-port 4U SAS2 6Gbps single-expander backplane, support up to 24x 3.5-inchSAS2/SATA3 HDD
  - 1U 920W Redundant Platinum Level Power Supply
  - 7 full-height & full-length expansion slot(s)
  - 3 x 8cm hot-swap redundant PWM cooling fan(s)
  - 7x PCI-E slots total: 2 PCI-E 3.0 x8, 2 PCI-E 3.0 x8 (in x16), 2 PCI-E 3.0 x4 (in x8) or 1 x8 + 1 x0 (auto-switch), & 1 PCI-E 2.0 x4 (in x8)
  - 4x USB 3.0 ports, 8x USB 2.0 ports
  - Intel® i210 Dual port GbE LAN
- Processor : Intel® Xeon E5-2620 v4 (8 Core, 20M Cache, 2.1GHz)
- Memory : 16GB DDR4 ECC REG 2133MHz PC4-17000
- Raid : AOC-S3108L-H8iR (LSISAS RAID 0,1,5,6,10,50,60)

# Hardware Specification

AP-NR10000 IP Voice Call Recording Server

AP-NR10000 Front Side



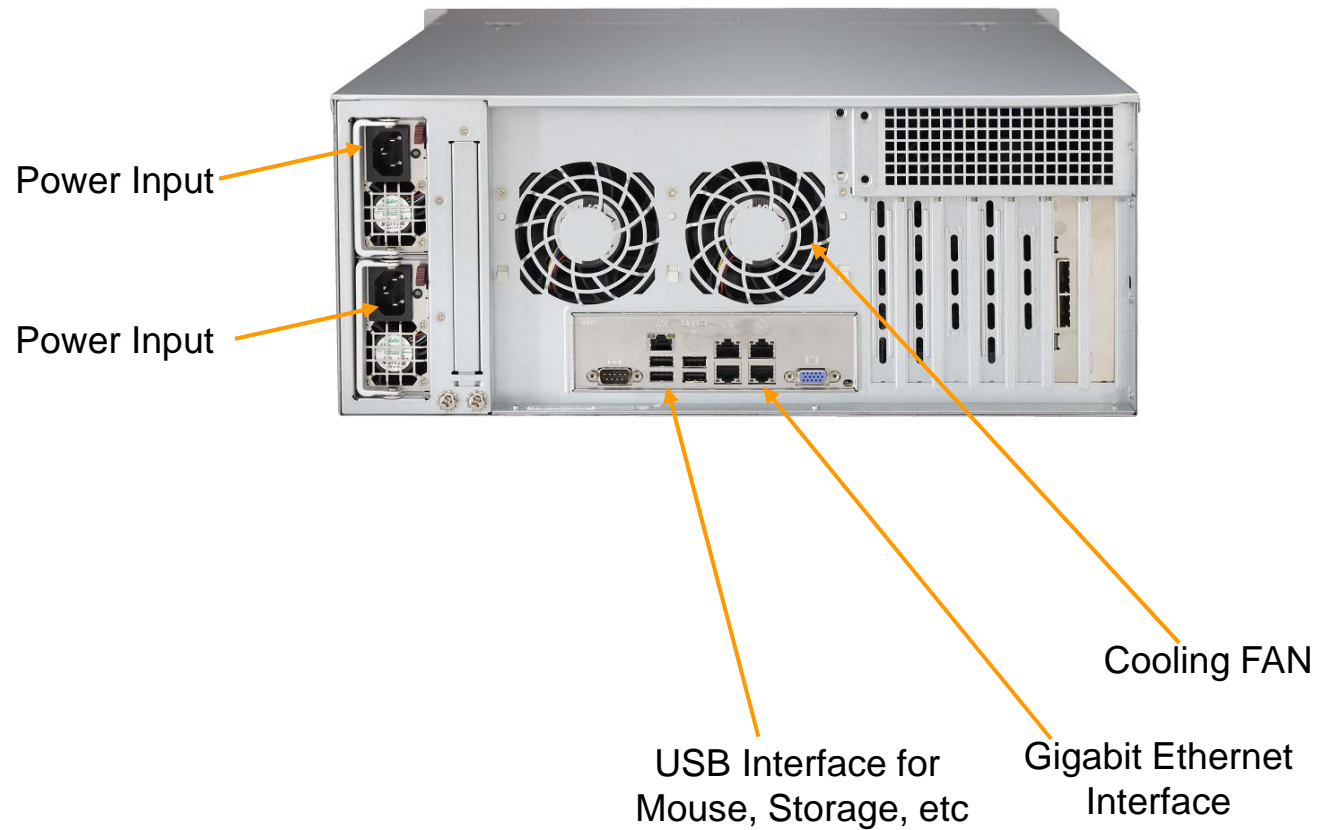
Power On/Off Switch

Harddisk bay

# Hardware Specification

AP-NR10000 IP Video Recording Server

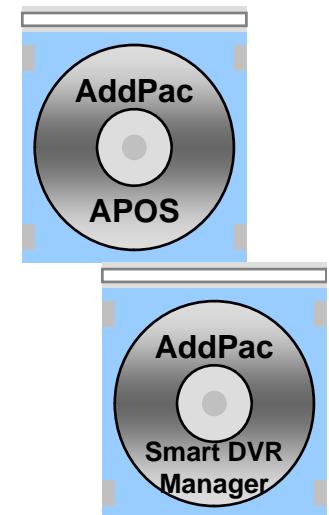
## AP-NR10000 Back Side



# Software Service

AP-NR10000 IP Video Recording Server

- **Built-in AddPac Internetworking Software**
  - Scalability, Functionality, and Stability Features
  - Advanced Network Video Recording & Live Streaming Features
- **Firmware Upgradeable Architecture**
- **Industry Standard Network Protocol Features**
- **Highly User Friendly Management Features**
  - PC based Window Program
  - Smart Recording Manager





# Smart Recording Manager Program

AP-NR10000 IP Video Recording Server

- User Management (registration/modify/delete/search)
- Recording Server Management
- Recording File Management
- Recording File Play with VLC application
- Export Recording History to File(EXEL)
- Live Call Monitoring (Play)
- Event Management
- Recording Board Management
- Smart Recording File Manager

# User Management

Smart Recording Manager

File Record Management Advanced Configuration Help

Smart Recording Manager AddPac Technology

Users [NR5000:172.17.50.200]

User Name	ID	Level	Description
root	root	Administrator	System Administrator
Administrator	administrator	Administrator	Addpac Administrator

New Manager Registration

Manager Information Modification

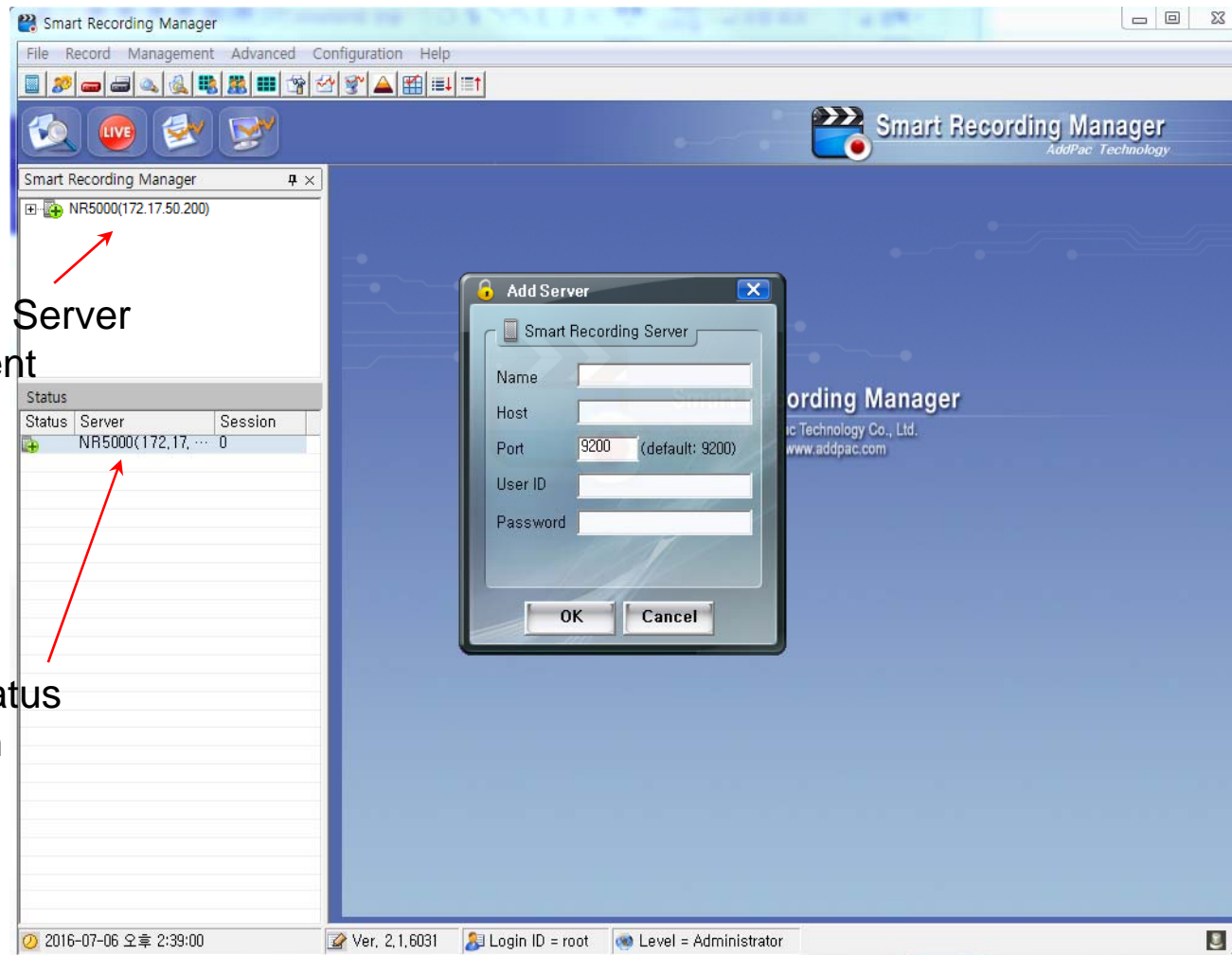
Manager Delete

Status

Status	Server	Session
+	NR5000(172.17.50.200)	0

2016-07-06 오후 2:44:40 Ver. 2.1.6031 User Id = root Level = Administrator

# Recording Server Management



\*Recording Server Management

\*Server Status Information

# Recording Server Status Monitoring

The screenshot displays the Smart Recording Manager interface. The main window shows the 'Smart Recording Server [NR5000:172.17.50.200]' status as 'running'. A configuration dialog box is open, showing 'Client Session List' settings: Max Session: 10, Keep Alive Interval: 5 sec. Below this, a table lists active sessions. A red arrow points to the first entry in the table, labeled 'Client List'.

No.	User	IP Address	Port	Access Time	Duration
1	root	172.16.1.19	49988	2016-07-06 14:42:00	00:07:34

# Recording File Management

The screenshot displays the Smart Recording Manager interface. The main window shows a search results table with columns: No., Call ID, Source IP, Rec StartTime, Rec EndTime, Rec Duration, Call Duration, Calling Num, Calling User, and Called Num. A red arrow points from the 'Record Search' menu item in the left sidebar to the search filter dialog box.

**Search Filter Dialog Box:**

- Record Time: Start Time: 2016-07-05 00:00:00, End Time: 2016-07-06 23:59:59
- Filter section with 5 rows:
 

Filter Name	Rule	Search
<Blank>	IsExactly	<Blank>
<Blank>	IsExactly	<Blank>
<Blank>	IsExactly	<Blank>
<Blank>	IsExactly	<Blank>
<Blank>	IsExactly	<Blank>
- Buttons: OK, Cancel, Init Filter
- Checkbox:  Recording Service Unavailable Files (not G711U codec)
- Note: \* It may take a long time.

**Main Table Data (Partial):**

No.	Call ID	Source IP	Rec StartTime	Rec EndTime	Rec Duration	Call Duration	Calling Num	Calling User	Called Num
2	3	172.16.9.29	2016-07-05 10:30:16	2016-07-05 10:30:16	00:00:00	00:00:01	1000		3000
2	3	172.16.9.29	2016-07-05 12:47:45	2016-07-05 12:47:45	00:00:00	00:01:00	1000		3000
3	6	172.16.9.29	2016-07-05 12:50:28	2016-07-05 12:50:28	00:00:00	00:00:00	1000		3001
4	7	172.16.9.29	2016-07-05 12:50:40	2016-07-05 12:50:40	00:00:00	00:00:16	1000		3001
5	9	172.16.9.29	2016-07-05 12:51:05	2016-07-05 12:51:05	00:00:00	00:02:03	1000		3001
6	10	172.16.9.29	2016-07-05 12:51:09	2016-07-05 12:51:09	00:00:00	00:01:05	1000		3000
7	12	172.16.9.29	2016-07-05 12:53:09	2016-07-05 12:53:09	00:00:00	00:01:03	1000		3001
8	14	172.16.9.29	2016-07-05 14:10:01	2016-07-05 14:10:01	00:00:00	00:00:43	1000		3001
9	15	172.16.9.29	2016-07-05 14:11:27	2016-07-05 14:11:27	00:00:00	00:01:02	1000		3001
10	16	172.16.9.29	2016-07-05 14:12:42	2016-07-05 14:12:42	00:00:00	00:00:11	1000		3001
11	17	172.16.9.29	2016-07-05 14:13:03	2016-07-05 14:13:03	00:00:00	00:00:13	1000		3001
12	18	172.16.9.29	2016-07-05 14:13:24	2016-07-05 14:13:24	00:00:00	00:00:10	1000		3001
13	19	172.16.9.29	2016-07-05 16:53:52	2016-07-05 16:53:54	00:00:02	00:37:33	1000		3001
15	17:36:21		2016-07-05 17:36:21	2016-07-05 17:36:21	00:00:00	00:00:05	1000		3001
15	17:39:37		2016-07-05 17:39:37	2016-07-05 17:39:37	00:00:00	00:00:22	1000		3001
15	17:42:57		2016-07-05 17:42:57	2016-07-05 17:42:57	00:00:00	00:00:37	1000		3001
15	17:48:28		2016-07-05 17:48:28	2016-07-05 17:48:28	00:00:00	00:00:16	1000		3001
15	18:00:25		2016-07-05 18:00:25	2016-07-05 18:00:25	00:00:35	00:00:39	1000		3001
16	09:23:08		2016-07-06 09:23:08	2016-07-06 09:23:08	00:00:13	00:00:19	1000		3001
16	09:31:32		2016-07-06 09:31:32	2016-07-06 09:31:32	00:02:13	00:02:18	1000		3001
16	09:47:12		2016-07-06 09:47:12	2016-07-06 09:47:12	00:00:00	00:00:00	1000		3001
16	09:48:11		2016-07-06 09:48:11	2016-07-06 09:48:11	00:00:46	00:00:49	1000		3000
16	09:49:08		2016-07-06 09:49:08	2016-07-06 09:49:08	00:00:43	00:00:46	1000		3000
16	09:51:31		2016-07-06 09:51:31	2016-07-06 09:51:31	00:00:14	00:00:17	1000		3000
16	10:42:17		2016-07-06 10:42:17	2016-07-06 10:42:17	00:00:14	00:00:15	1000		3000
16	13:46:19		2016-07-06 13:46:19	2016-07-06 13:46:19	00:00:04	00:00:06	1000		3000

# Recording File Play with VLC application

The screenshot displays the Smart Recording Manager interface. The main window shows a table of recording sessions with the following data:

No.	Call ID	Source IP	Rec StartTime	Rec EndTime	Rec Duration	Call Duration	Calling Num	Ca
1	25	172.16.9.29	2016-07-06 09:22:55	2016-07-06 09:23:08	00:00:13	00:00:19	1000	
2	26	172.16.9.29	2016-07-06 09:29:19	2016-07-06 09:31:32	00:02:13	00:02:18	1000	
3	27	172.16.9.29	2016-07-06 09:47:12	2016-07-06 09:47:12	00:00:00	00:00:00	1000	
4	28	172.16.9.29	2016-07-06 09:47:25	2016-07-06 09:48:11	00:00:46	00:00:49	1000	
5	29	172.16.9.29	2016-07-06 09:48:25	2016-07-06 09:49:08	00:00:43	00:00:46	1000	
6	30	172.16.9.29	2016-07-06 09:51:17	2016-07-06 09:51:31	00:00:14	00:00:17	1000	
7	31	172.16.9.29	2016-07-06 10:42:03	2016-07-06 10:42:17	00:00:14	00:00:15	1000	
8	1	172.16.9.29	2016-07-06 13:46:15	2016-07-06 13:46:19	00:00:04	00:00:06	1000	
9	3	172.16.9.29	2016-07-06 15:13:06	2016-07-06 16:42:14	01:29:08	01:29:12	1000	
10	4	172.16.9.29	2016-07-06 16:42:24	2016-07-06 16:42:37	00:00:13	00:00:11	1000	
11	5	172.16.9.29	2016-07-06 16:42:45	2016-07-06 16:43:09	00:00:24	00:00:25	1000	
12	6	172.16.9.29	2016-07-06 16:43:26	2016-07-06 16:44:02	00:00:36	00:00:38	1000	

Two video playback windows are shown below the main interface. The left window, titled "2016-07-06 16:43:26", shows a woman in a white top and glasses. The right window, titled "AddPac Technology - 0000620160706074326-000041--M.avi - ...", shows a man in a white shirt and tie. Both windows include standard video player controls like play, stop, and volume.

# Live Call Monitoring

The screenshot displays the Smart Recording Manager interface. At the top, there is a menu bar with options: File, Record, Management, Advanced, Configuration, and Help. Below the menu is a toolbar with various icons, including a prominent red 'LIVE' button. The main area features a tree view on the left for navigation, a central table of recorded calls, and a status section at the bottom left.

No.	Call ID	Source IP	Rec StartTime	Initiated Time	Call Duration	Calling Num	Calling User	Called Num	Called User	AI
1	25	172.16.9.29	2016-07-06 09:22:55	2016-07-06 09:23:08	00:00:13	1000		3001		
2	26	172.16.9.29	2016-07-06 09:29:19	2016-07-06 09:31:32	00:02:13	1000		3001		
3	27	172.16.9.29	2016-07-06 09:47:12	2016-07-06 09:47:12	00:00:00	1000		3001		
4	28	172.16.9.29	2016-07-06 09:47:25	2016-07-06 09:48:11	00:00:46	1000		3000		
5	29	172.16.9.29	2016-07-06 09:48:25	2016-07-06 09:49:08	00:00:43	1000		3000		
6	30	172.16.9.29	2016-07-06 09:51:17	2016-07-06 09:51:31	00:00:14	1000		3000		
7	31	172.16.9.29	2016-07-06 10:42:03	2016-07-06 10:42:17	00:00:14	1000		3000		
8	1	172.16.9.29	2016-07-06 13:46:15	2016-07-06 13:46:19	00:00:04	1000		3000		

Below the table, two VLC media player windows are open, showing live video feeds of the call participants. The left window shows a man in a white shirt and tie, and the right window shows a woman with glasses in an office setting. A red arrow points from the 'Source IP' column in the table to the 'rtsp://172.17.50.200/4/1' address in the left VLC window.

# Export Recording History

The screenshot illustrates the process of exporting recording history from the Smart Recording Manager. The main application window shows a list of recordings with the following columns: No., Call ID, Source IP, Rec StartTime, and Rec EndTime. A red arrow points to the 'Export' icon in the toolbar. A file explorer window shows the 'bin' directory with a file named 'Records.xls' selected. A dialog box indicates 'Records Exporting !!!' with a progress bar at 73%. A Microsoft Excel window shows the resulting spreadsheet with columns for Call ID, Source IP, Record Start Time, Record End Time, and other recording details.

No.	Call ID	Source IP	Rec StartTime	Rec EndTime
1	2	172.16.9.29	2016-07-05 10:30:16	2016-07-05 10:30:16
2	3	172.16.9.29	2016-07-05 12:47:45	2016-07-05 12:47:45
3	6	172.16.9.29	2016-07-05 12:50:28	2016-07-05 12:50:28
4	7	172.16.9.29	2016-07-05 12:50:40	2016-07-05 12:50:40
5	9	172.16.9.29	2016-07-05 12:51:05	2016-07-05 12:51:05
6	10	172.16.9.29	2016-07-05 12:51:09	2016-07-05 12:51:09
7	12	172.16.9.29	2016-07-05 12:53:09	2016-07-05 12:53:09
8	14	172.16.9.29	2016-07-05 14:10:01	2016-07-05 14:10:01
9	15	172.16.9.29	2016-07-05 14:11:27	2016-07-05 14:11:27
10	16	172.16.9.29	2016-07-05 14:12:42	2016-07-05 14:12:42
11	17	172.16.9.29	2016-07-05 14:13:03	2016-07-05 14:13:03
12	18	172.16.9.29	2016-07-05 14:13:24	2016-07-05 14:13:24
13	19	172.16.9.29	2016-07-05 16:53:52	2016-07-05 16:53:52
14	20	172.16.9.29	2016-07-05 16:53:52	2016-07-05 16:53:52
15	21	172.16.9.29	2016-07-05 16:53:52	2016-07-05 16:53:52
16	22	172.16.9.29	2016-07-05 16:53:52	2016-07-05 16:53:52
17	23	172.16.9.29	2016-07-05 17:48:28	2016-07-05 17:48:28
18	24	172.16.9.29	2016-07-05 17:59:50	2016-07-05 18:00:25
19	25	172.16.9.29	2016-07-06 09:22:55	2016-07-06 09:23:08
20	26	172.16.9.29	2016-07-06 09:29:19	2016-07-06 09:31:32
21	27	172.16.9.29	2016-07-06 09:47:12	2016-07-06 09:47:12
22	28	172.16.9.29	2016-07-06 09:47:25	2016-07-06 09:48:11
23	29	172.16.9.29	2016-07-06 09:48:25	2016-07-06 09:49:08
24	30	172.16.9.29	2016-07-06 09:51:17	2016-07-06 09:51:31
25	31	172.16.9.29	2016-07-06 10:42:03	2016-07-06 10:42:17
26	1	172.16.9.29	2016-07-06 13:46:15	2016-07-06 13:46:19



# Event Configuration

Smart Recording Manager

File Record Management Advanced Configuration Help

Smart Recording Manager

NR5000(172.17.50.200)

- User Management
- Device Management
- Recording Management
- Recording Board
- Event & Monitoring
  - Event Configuration
  - Event Monitoring
  - System Monitoring

Status

Status	Server	Session
+	NR5000(172.17. ...	0

Event Configuration [NR5000:172.17.50.200]

Event Source

Listen Port : 514

1. Emergency  
The presence of a condition that has either caused the system to become unstable or has crashed the system.

2. Error  
Error events are warnings of conditions that will affect the performance of the MX.

Event Filter

\* Set event filter for source.

Select / Deselect All

Category	Severity	Description
<input type="checkbox"/> recording	Warning	recording
<input type="checkbox"/> play	Warning	play
<input type="checkbox"/> system	Warning	system

OK Cancel

event level filter settings

2016-07-06 오후 3:06:48 Ver. 2.1.6031 User Id = root Level = Administrator

# Event Management (Monitoring)

The screenshot displays the Smart Recording Manager interface. The main window shows a table of recording sessions with the following data:

No.	Call ID	Source IP	Rec StartTime	Initiated Time	Established Time	Call Duration	Calling
1	3	172.16.9.29	2016-07-06 15:13:06	2016-07-07 00:07:38	2016-07-07 00:07:38	00:02:59	1000

Annotations with red arrows point to the following features:

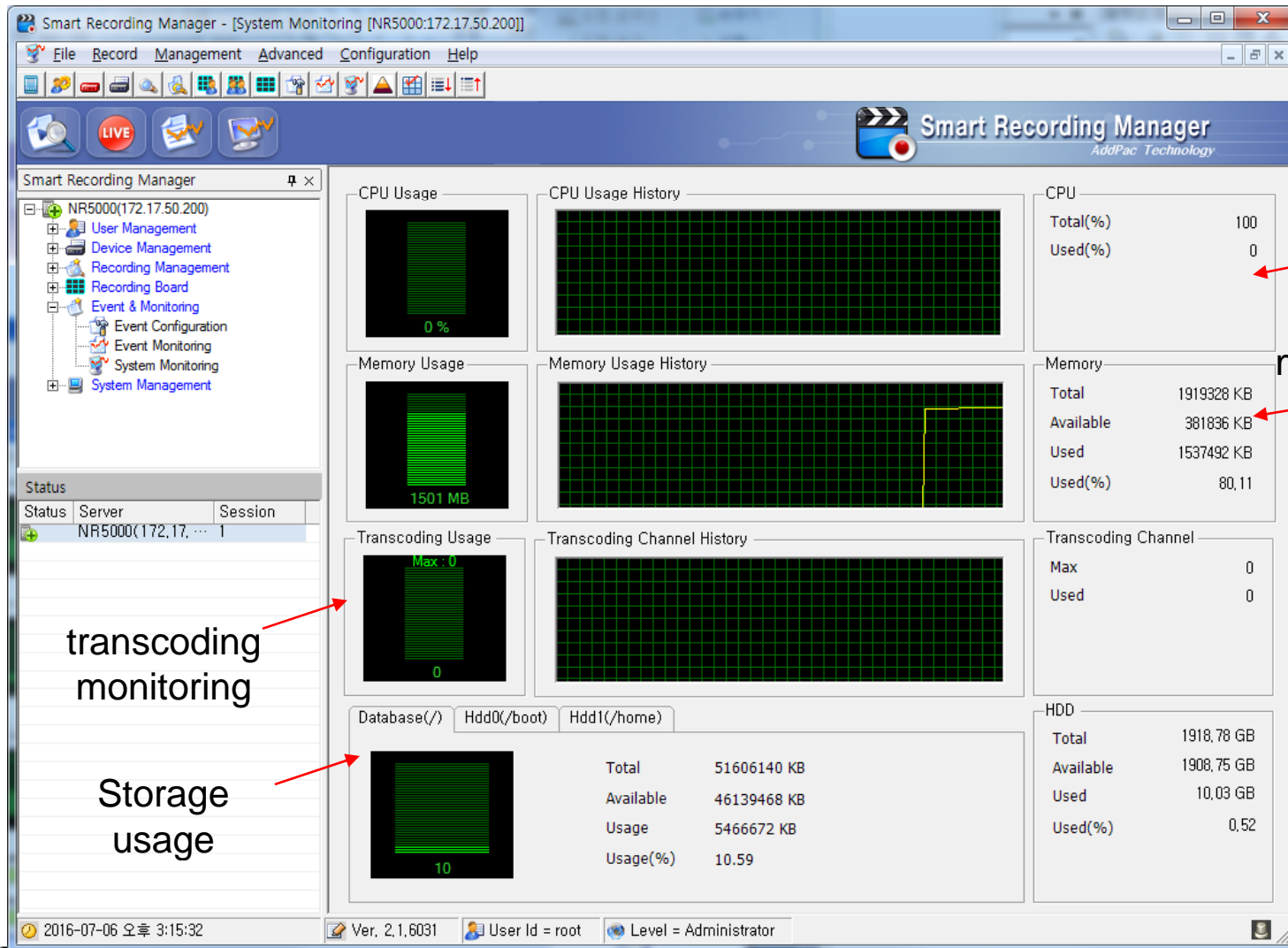
- Event monitoring**: Points to the 'Event Monitoring' option in the left-hand navigation tree.
- Event filter**: Points to the 'Event filter' button in the top right of the main window.
- Pause event**: Points to the 'Pause' button in the bottom right of the main window.

At the bottom of the interface, there is an 'Event Monitoring' log window with the following data:

DateTime	Host	Severity	Module	Description
Jul 06 06:13:06	172.17.50.200	Informational	recording	Start Recording, bind id:-10000
Jul 06 06:15:31	172.17.50.200	Debug	system	get current recording session :
Jul 06 06:15:33	172.17.50.200	Debug	system	get current recording session :
Jul 06 06:15:43	172.17.50.200	Debug	system	get current recording session :
Jul 06 06:15:55	172.17.50.200	Debug	system	get current recording session :
Jul 06 06:16:05	172.17.50.200	Debug	system	get current recording session :

The bottom status bar shows: 2016-07-06 오후 3:12:38, Ver. 2.1,6031, User Id = root, Level = Administrator.

# Event Management (System Monitoring)



cpu usage (%)

memory usage

transcoding monitoring

Storage usage

# Recording Board

(User)

The screenshot displays the 'Smart Recording Manager' application window. The title bar reads 'Smart Recording Manager - [Users [NR5000:172.17.50.200]]'. The menu bar includes 'File', 'Record', 'Management', 'Advanced', 'Configuration', and 'Help'. The interface features a sidebar with a tree view containing categories like 'User Management', 'Device Management', 'Recording Management', 'Recording Board', 'Users', 'Groups', 'Map List', 'Event & Monitoring', and 'System Management'. The 'Recording Board' section is active, showing a table of users. The table has columns for 'No.', 'User ID', 'Name', 'Phone Number', 'Description', and 'Group'. The data rows are as follows:

No.	User ID	Name	Phone Number	Description	Group
1	bgchoi	Choi Byung Koo	1024		Signaling
2	jhkwon	Kwon	3000		NMS
3	jschoi	Choi Jin suk	1007		NMS
4	ohs	Oh hyung suk	1000		Signaling
5	sklee	Lee sang kyun	1009		Signaling

Below the table is a 'Status' section with a small table:

Status	Server	Session
+	NR5000(172.17, ...	1

The bottom status bar shows the date and time '2016-07-06 오후 3:25:38', version 'Ver. 2.1.6031', user 'User Id = root', and level 'Level = Administrator'.

# Recording Board

## (Group)

The screenshot displays the Smart Recording Manager application window. The main interface shows a tree view on the left with 'Recording Board' selected. A table in the center lists recording items:

No.	Name	Description
1	NMS	
2	Signaling	

A 'Group Properties' dialog box is open, showing the following details:

- Group Name: Signaling
- Description: (empty)

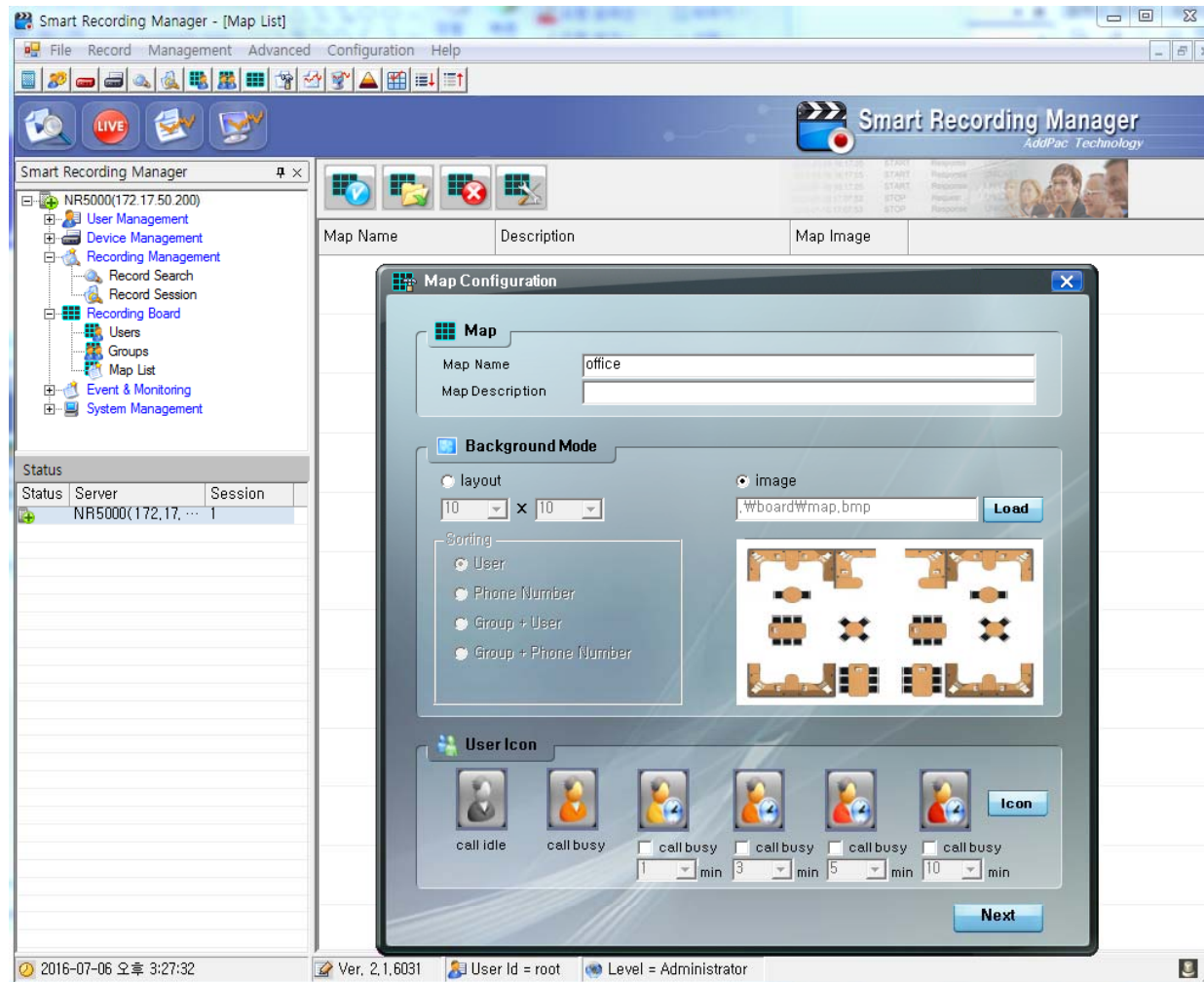
The dialog also features two tables for user management:

Users		
User ID	Name	Phone Number

Users in Group		
User ID	Name	Phone Number
bgchoi	Choi Byu...	1024
ohs	Oh hyung...	1000
sklee	Lee sang...	1009

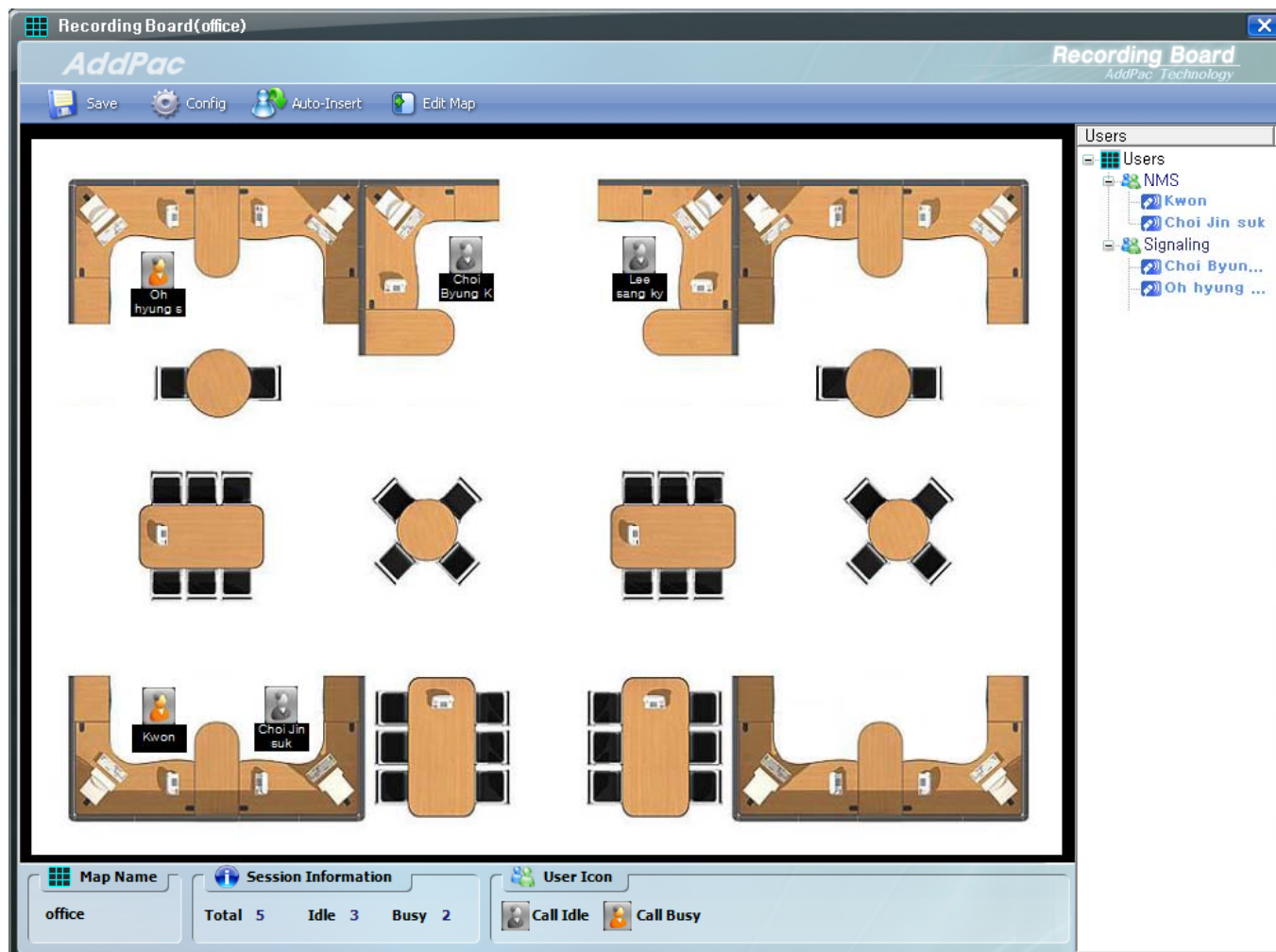
The status bar at the bottom indicates the date and time (2016-07-06 오후 3:26:00), version (Ver. 2.1.6031), user (User Id = root), and level (Level = Administrator).

# Recording Board (Map)



# Recording Board

(Map Editing and user monitoring)



# Smart Recording File Manager

## (Recorded Call List Search)

The screenshot displays the 'Smart Recording File Manager' application window. The interface includes a menu bar (File, Management, Help), a toolbar with icons, and a main search area. The search target is set to 'Local Database', with start and end dates of '2016년 1월 1일' and '2016년 7월 6일' respectively. The search results are displayed in a table with columns: Start Time, End Time, Duration, Calling Number, Calling User, Called Number, Called User, and Recording Source. A tree view on the left shows the directory structure for 'Remote Database (172.17.50.200)' and 'Local Database', with folders for years (2016) and months (06, 07). Red arrows point from text labels to specific parts of the interface: 'Server Recording History (Year/Month/Day)' points to the 'Remote Database' tree, 'Backup PC Recording History (Year/Month/Day)' points to the 'Local Database' tree, and 'Searched Recording History' points to the search results table.

Start Time	End Time	Duration	Calling Number	Calling User	Called Number	Called User	Recording Source
2016-07-05 10:30:...	2016-07-05 10:30:16	00:00:00	1000		3000		172.16.9.29 ...
2016-07-05 12:47:...	2016-07-05 12:47:45	00:00:00	1000		3000		172.16.9.29 ...
2016-07-05 12:50:...	2016-07-05 12:50:28	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 12:50:...	2016-07-05 12:50:40	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 12:51:...	2016-07-05 12:51:05	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 12:51:...	2016-07-05 12:51:09	00:00:00	1000		3000		172.16.9.29 ...
2016-07-05 12:53:...	2016-07-05 12:53:09	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 14:10:...	2016-07-05 14:10:01	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 14:11:...	2016-07-05 14:11:27	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 14:12:...	2016-07-05 14:12:42	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 14:13:...	2016-07-05 14:13:03	00:00:00	1000		3001		172.16.9.29 ...

Server Recording History  
(Year/Month/Day)

Backup PC Recording History  
(Year/Month/Day)

Searched Recording History



# Smart Recording File Manager (Configuration)

The screenshot displays the 'Smart Recording File Manager' application window. A 'Configuration' dialog box is open, showing the following settings:

- FTP Information:**
  - Port: 21 (Default: 21)
  - Username: root
  - Password: \*\*\*\*\*
- Repository Directory:**
  - File path: C:\AddPac\RecordingBackupData
- Media Player:**
  - Player path: C:\Program Files\VideoLAN\VLC\vlc.exe

Below the media player path, there is a red text instruction: "Select the absolute path for executable media player. Click below link to VLC download. <http://www.videolan.org/vlc/download-windows.html>"

The background window shows a search results table with columns: Start Time, End Time, Duration, Calling Number, Calling User, Called Number, Called User, and Recording Source. The table contains two rows of data for recordings on 2016-07-05.

The status bar at the bottom of the application window shows: 2016-07-06 오후 3:40:26, version 1.2.6031, 172.17.50.200:9200, root, Waiting, Next Backup Time(2016-07-08 오전 3:00:00)

# Smart Recording File Manager

## (Call List Properties)

The screenshot displays the Smart Recording File Manager interface. The main window shows a list of recording sessions with columns for Start Time, End Time, Duration, Calling Number, Calling User, Called Number, Called User, and Recording Source. A context menu is open over a selected row, showing options like Download, Delete, Refresh, and Properties. A 'Recording Session Information' dialog box is also open, showing details for two specific recording sessions.

Start Time	End Time	Duration	Calling Number	Calling User	Called Number	Called User	Recording Source
2016-07-05 10:30:...	2016-07-05 10:30:16	00:00:00	1000		3000		172.16.9.29 ...
2016-07-05 12:47:...	2016-07-05 12:47:45	00:00:00	1000		3000		172.16.9.29 ...
2016-07-05 12:50:...	2016-07-05 12:50:28	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05		00:00:00	1000		3001		172.16.9.29 ...
2016-07-05		00:00:00	1000		3001		172.16.9.29 ...
2016-07-05		00:00:00	1000		3000		172.16.9.29 ...
2016-07-05		00:00:00	1000		3001		172.16.9.29 ...
2016-07-05		00:00:00	1000		3001		172.16.9.29 ...
2016-07-05		00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 14:12:...	2016-07-05 14:12:42	00:00:00	1000		3001		172.16.9.29 ...
2016-07-05 14:13:...							

Filename	Start Time	End Time	Duration	Size	Audio Codec	Transcoding Codec
40003020160706005117...	2016-07-06 09:51:17	2016-07-06 09:51:31	00:00:14	1,763 KB	G711U	G711U
0003020160706005117...	2016-07-06 09:51:17	2016-07-06 09:51:31	00:00:14	1,763 KB	G711U	G711U

# Smart Recording File Manager

## (Server to Local Backup)

The screenshot displays the Smart Recording File Manager interface. The main window shows a tree view of a Remote Database (172.17.50.200) with folders for 2016, 06, 07, and sub-folders for dates from 2016-07-01 to 2016-07-06. A Local Database section shows folders for 2016 and 07. A 'Download' dialog box is open, displaying a list of 16 files with columns for File Name, Duration, Size, DateTime, and Status. The dialog also shows a 'Download Directory' field set to 'C:\AddPac\RecordingBackupData' and a progress bar. The status bar at the bottom indicates 'Waiting' and 'Next Backup Time(2016-07-08 오전 3:00:00)'.

File Name	Duration	Size	DateTime	Status
/home/callrecfiles/20160706/0/00...	00:00:13	1,492 KB	2016-07-06 09:2...	Wait
/home/callrecfiles/20160706/0/00...	00:00:13	1,492 KB	2016-07-06 09:2...	Wait
/home/callrecfiles/20160706/0/00...	00:02:13	14,519 KB	2016-07-06 09:2...	Wait
/home/callrecfiles/20160706/0/00...	00:02:13	14,519 KB	2016-07-06 09:2...	Wait
/home/callrecfiles/20160706/0/00...	00:00:00	0 KB	2016-07-06 09:4...	Wait
/home/callrecfiles/20160706/0/00...	00:00:00	0 KB	2016-07-06 09:4...	Wait
/home/callrecfiles/20160706/0/00...	00:00:46	5,750 KB	2016-07-06 09:4...	Wait
/home/callrecfiles/20160706/0/00...	00:00:46	5,750 KB	2016-07-06 09:4...	Wait
/home/callrecfiles/20160706/0/00...	00:00:43	4,916 KB	2016-07-06 09:4...	Wait
/home/callrecfiles/20160706/0/00...	00:00:43	4,916 KB	2016-07-06 09:4...	Wait
/home/callrecfiles/20160706/0/00...	00:00:14	1,763 KB	2016-07-06 09:5...	Wait
/home/callrecfiles/20160706/0/00...	00:00:14	1,763 KB	2016-07-06 09:5...	Wait
/home/callrecfiles/20160706/1/00...	00:00:14	2,018 KB	2016-07-06 10:4...	Wait

# Smart Recording File Manager

## (Recorded Call List Search)

The screenshot displays the 'Smart Recording File Manager' interface. A 'Search Filter' dialog box is open, allowing users to refine their search. The dialog includes a 'Record Time' section with start and end date/time pickers, and a 'Filter' section with a table for defining search criteria.

Filter Name	Rule	Search	
Calling Number	IsExactly	5067	<Blank>
<Blank>	IsExactly		<Blank>
<Blank>	IsExactly		<Blank>
<Blank>	IsExactly		<Blank>
<Blank>	IsExactly		<Blank>

Below the dialog, a table displays recorded call data:

Start Time	End Time	Duration	Calling Number	Calling User	Called Number	Called User	Recording Source
2016-07-06 12:04:33	2016-07-06 12:04:34	00:00:09	5055		5155		172.17.50.26
2016-07-06 12:04:34	2016-07-06 12:04:35	00:00:09	5067		5167		172.17.50.26
2016-07-06 12:04:35	2016-07-06 12:04:38	00:00:09	5085		5185		172.17.50.26
2016-07-06 12:04:36	2016-07-06 12:04:42	00:00:09	5098		5198		172.17.50.26

The taskbar at the bottom shows the system clock as 2016-07-06 오후 3:54:51, the application version as 1.2.6031, and the current directory as 172.17.50.30:9200.

# Smart Recording File Manager

## (Periodical Backup)

The screenshot displays the Smart Recording File Manager application. The main window shows a search results table with columns: Start Time, End Time, Duration, Calling Number, Calling User, Called Number, Called User, and Recording Source. Two records are visible for 2016-07-06.

Start Time	End Time	Duration	Calling Number	Calling User	Called Number	Called User	Recording Source
2016-07-06 12:04:34	2016-07-06 12:04:34	00:00:09	5055		5155		172.17.50.26
2016-07-06 12:04:35	2016-07-06 12:04:35	00:00:09	5067		5167		172.17.50.26

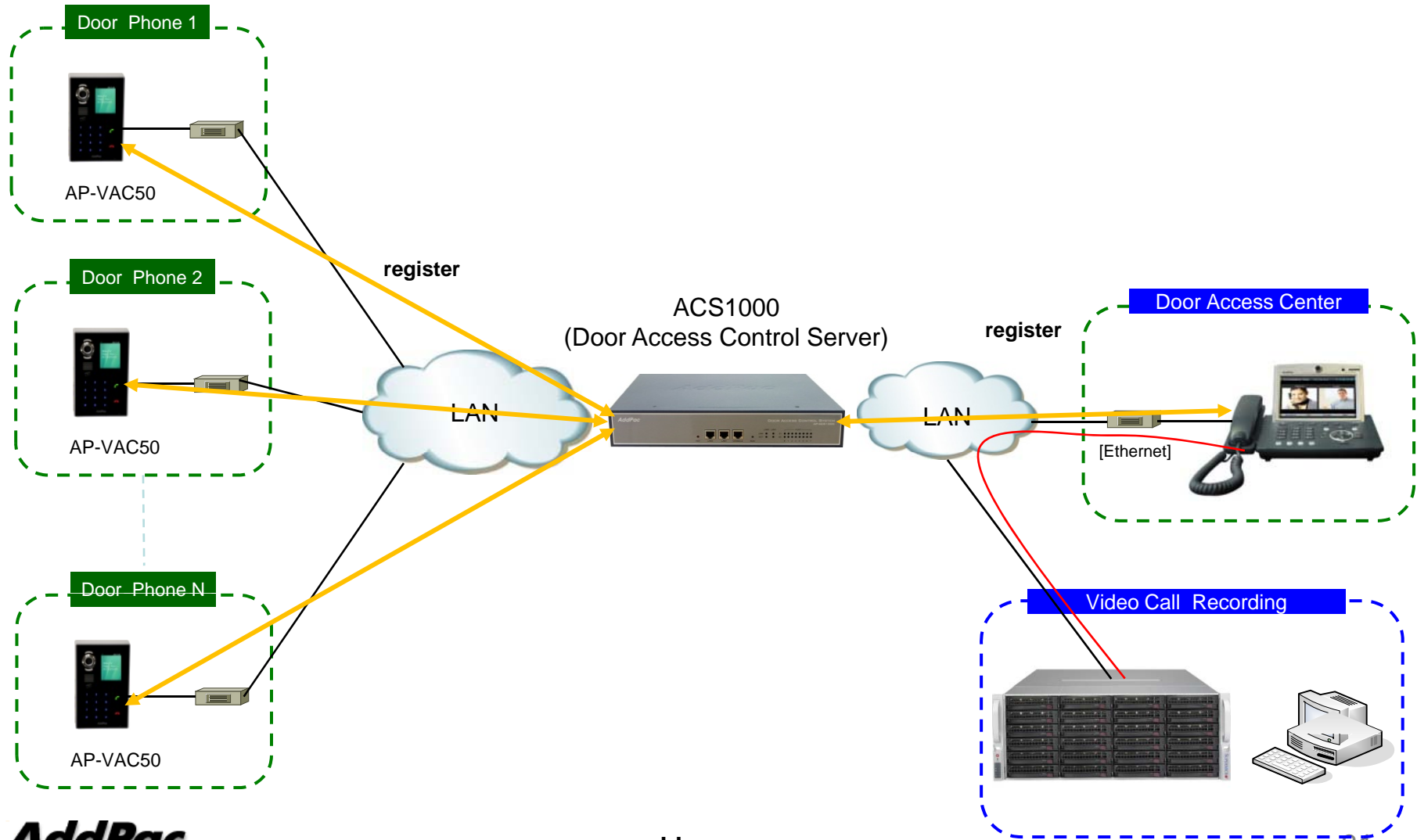
A 'Schedule Setting' dialog box is open, showing configuration options for a recording source. The 'Recording Source' list includes 172.17.207.207, 172.17.50.26, and 172.17.50.80. The 'Scheduler Run / Stop' section is checked, with 'Daily' selected and 'Every 1 Days' set. The 'Start Time' is 03:00:00. There are checkboxes for 'Delete files after download' and 'Download to file overwrite', both currently unchecked. The 'Directory' field is set to C:\AddPac\RecordingBackupData.

# Application Service

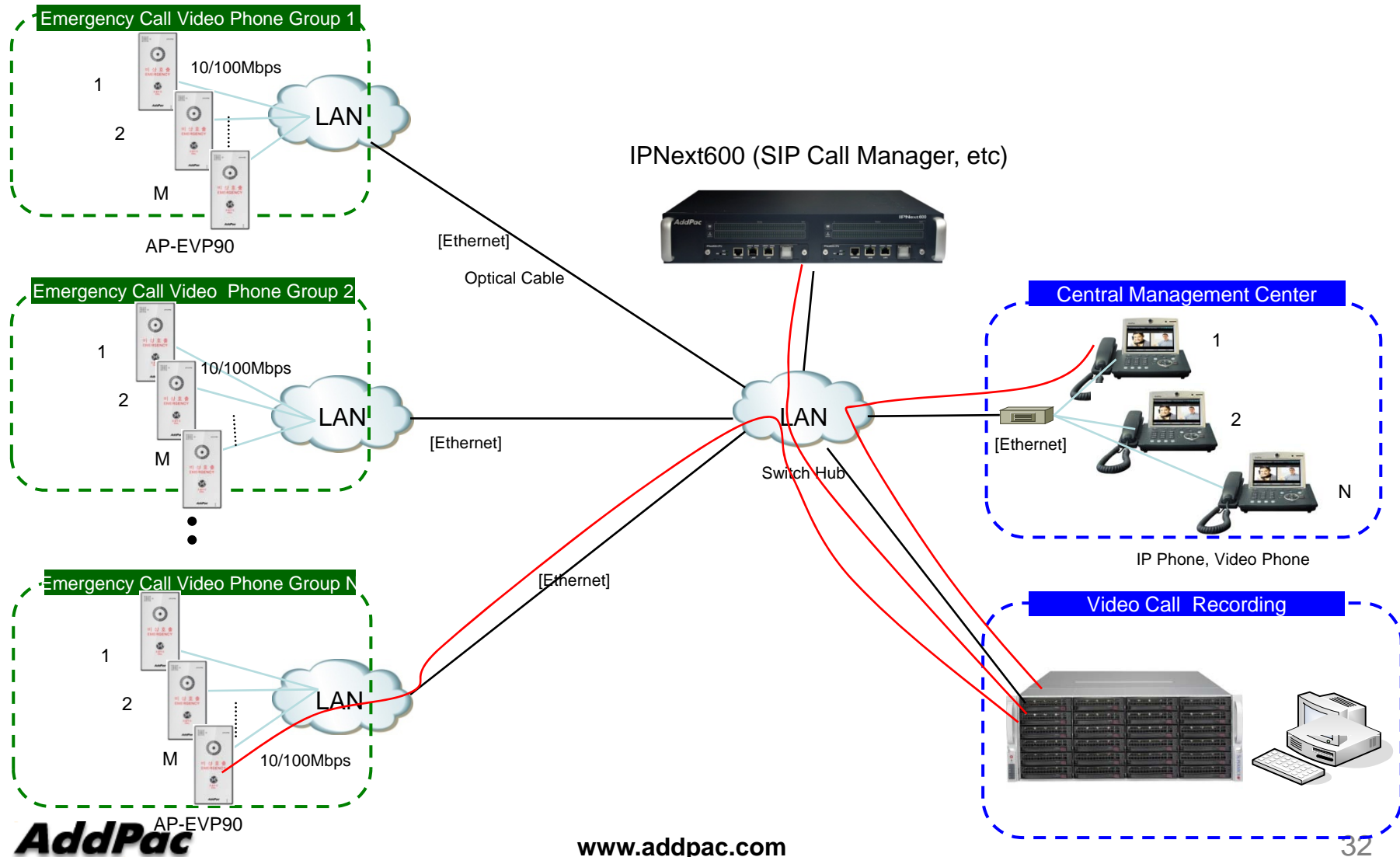
AP-NR10000 IP Video Recording Server

- IP Video Door Phone Application
- IP Video Telephony Application
- Video Conference Application
- Emergency Call Video Phone Application

# IP Video Door Phone Application



# Emergency Video Call Center Application





# Ordering Information

- **AP-NR1500 IP Video Recording Server Hardware**
  - One(1) 10/100/1000Mbps Gigabit Ethernet Interface
  - Two(2) USB Port
  - One(1) RS232C Console Interface
  - Up to Two(2) SATA Hard Disk
  - Including Network Cable Set & Power Supply Cable, etc.
- **Including 1 Year Hardware Warranty**
- **Product Documents**
  - Install and Operation Guide (PDF)
- **Pricing**
  - AddPac Technology Regional Sales Manager
  - Authorized Sales and Marketing Representatives
  - Please Contact [www.addpac.com](http://www.addpac.com)



# Thank you!

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