# **CMS Installation Manual**

# Content

CMS installation manual	1
Content错误! 未定义	书签。
1 Introduction	3
1.1 Functions	3
1.2 Features	3
2 System	4
2.1 System structure	4
2.2 Signalling login (gateway server)	6
2.3 Media Retransmission (streaming media server)	7
2.4 Alarm channel (alarm server)	7
3 System installation	8
3.1Data-base installation	8
3.1.1 MSSQL installation (For big projects)	9
3.1.2 MSDE installation (For small projects)	16
3.2 CMS server installation	18
3.3 CMS client installation	23
4 Server configuration	28
4.1 Central server configuration	28
4.2 Gate-way server configuration	29
4.2.1 Gate-way server management	30
4.2.2 Gate-way server parameter configuration	32
4.3 Streaming server configuration	33
4.3.1 Streaming media server management	33
4.3.2 Streaming media server configuration	34
4.4 Alarm server configuration	35
4.4.1 Alarm server management	35
4.4.2 Alarm server configuration	36
4.5 System users management	38
4.6 Vehicle management	44
4.7 Server control software	48
5 System fast configuration	51
5.1 Strating work	51
5.2 Startup data-base server	51
5.2.1 MSSQL data-base startup	51
5.2.2 MSDE data-base startup	52
5.3 Startup CMS server	53

5.4 CMS server configuratio	54
5.4.1 Server serve port	55
5.4.2 Server address configuration	55
5.4.3 Server configuraion	63
5.5 Vehicle login configuration	73
5.5.1 Vehicle ID setting	73
5.5.2 Centre login setting	76
5.5.3 3G setting	77
5.6 Vehicle register	
5.7 User device authorization	
5.8 Streaming media transmit configuration	86
6 Client use	
6.1System introduction	
6.1.1 System introduction	
6.1.2 System interface	
6.2 Functions work	
6.2.1 Vehicle inquiry	
6.2.2 GPS position	
6.2.3 Video survelliance functions	96
6.2.4 Menu functions	

# **1** Introductions

### **1.1 Functions**

CMS is based on the wireless network for all of the vehicles for centralized management.

CMS system support video survelliance, GPS location, vehicle run track playback, talk-back, alarm linkage, remoted video storage, remoted video download, remoted video playback, vehicle zoon management, device remoted upgrade, etc.

#### 1.2 Main Features

The system can control the survelliance of 2000 vehicle.

Improve the vehicles management.

Quick positionig, GPS info, display real time of the vehicle, show the vehicle online state and QTY stat.

Real-time Audio & Video surveillance.

Real-time capture before vehicle.

Talk-back for drivers & CMS, vehicle broadcast.

PTZ control.

Playback vehicle data.

Searching, download and playback the remote recording.

Alarm linkage: overspeed alarm, outer critical alarm, video lose alarm, HD error alarm, electronic map mark alarm.

# 2 System structure

# 2.1 System structure



2.1 system structure



2.2 System structure

CMS includes Center Server , Gateway server, Media Server, Alarm Server and remote manage clients.

Server includes a data-base server, a center server, a alarm server, some gateway server, some medio server supply vehicle DVR and Clients with GPS, video, alarm, etc.

**Data-base Server:** Mainly used for stored server configuration data, alarm data,etc. Using **MSDE**(free version, for small projects, used for within 512 vehicle management of MDVR), **SQL Server 2000** or higher (charged version, for big projects). In system, Only center server and alarm server can interactive with data-base server, center server stores vehicle, users data in data-base, alarm server stores alarm data in data-base.

**Center Server:** Manage all system recources, include vehicle data. User system and related server data, and verify user operation.

Gateway server: Offer connect device with server.

**Media Server:** Offer media data transmit. Mainly including audio & video, talk-back, snap, parameter configuration, search and download data and retransmission.

Alarm Server: receiving alarm data via device transmission, and disposal, and stored alarm data to data-base and transmit to clients CMS.

**Management tool:** Mainly do configuration on servers data, includes vehicle data, user data, server data, ect.

**Client CMS:** Real-time video preview, electronic map vision, vehicle surveillance, Video searching, download playback, vehicle lines playback, real-time alarm data surveiliance, etc.

## 2.2 Signalling login (Gateway server)

A gateway server can supply 1000 vehicle DVR with servers. If vehicle DVR device is larger than 1000, it support some more gateway server.



2.3 signallng login

# 2.3 Media Retransmission (media server)

Every media server support 256 vehicle DVR. It can add more if needed.



2.4 Media server

# 2.4 Alarm channel (alarm server)

So far, the system can just support single alarm server, every alarm server can supply 2000 vehicle DVR with service at the same time.



2.5 Alarm server

# **3** System Installation

## 3.1 Data-base installation

MSSQL installation (For big projects)

# 3.1.1 MSSQL installation (For big projects)

1. Decompressed MSSQL and installation, double-click and run AUTORUN.EXE,



3.1 Installation main interface

2.	Select " in:	stall Server 2000",	enter"Install Components"	
	Mi	crosoft		Install Components
	3	Ent	<b>erver</b> 2000 terprise Edit	ion
	9	Install Database <u>S</u> erv	ver	
	$\Theta$	Install <u>A</u> nalysis Servic	ces	
	Ð	Install English Query		
	<u>B</u> ack			E <u>x</u> it

3.2 Install Components

- 3. Select"Install data-base server", enter install guide"weclome"
- 4. Click"Next", enter as below:

	Enter the name of the computer on which you want to create a new instance of SQL Server or modify an existing instance of SQL Server.	
II III	Or, enter the name of a new or existing Virtual SQL Server to manage. WWW-AFDE38C45F5	
	Local Computer     Bemote Computer     Virtual Server     Browse	
	Help < Back Next > Cance	el

#### 3.3 PC name

5. Click "Next"



3.4 Installation Selection

6. Click "Next", enter User Information

User Information			×
	Enter your r name.	name below. It is not necessary to enter a company	
	N <u>a</u> me:	雨林木凤	
	<u>C</u> ompany:	Www.YImF.CoM	
		< <u>B</u> ack <u>N</u> ext > Cancel	

3.5 User Information

7. Click "Next", enter "software License Agreement"

Software License Agreement	×
Please read the following License Agreement. Press the PAGE DOWN key to s the rest of the agreement.	ee
END-USER LICENSE AGREEMENT IMPORTANT-READ CAREFULLY: This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Microsoft Corporation for the Microsoft software product identified above, which includes computer software and may include associated media, printed materials, and "online" or electronic documentation ("Product"). An amendment or addendum to this EULA may accompany the Product. YOU AGREE TO BE BOUND BY THE TERMS OF THIS EULA BY INSTALLING, COPYING, OR OTHERWISE USING THE PRODUCT. IF YOU DO NOT AGREE, DO NOT INSTALL OR USE THE PRODUCT; YOU MAY RETURN IT TO YOUR PLACE OF PURCHASE FOR A FULL REFUND.	
The Product may contain the following software:	•
Do you accept all the terms of the preceding License Agreement? If you choose No, Sett will close. To install Microsoft SQL Server 2000, you must accept this agreement.	qı.
< <u>B</u> ack <u>Y</u> es <u>N</u> o	

3.6 software License Agreement

8. Click "Yes", Enter "Installation Definition"

Installation Defin	ition	×
	You can select one of the following types of installations. C <u>C</u> lient Tools Only Every and Client Tools	
	C Connectivity Only This option allows you to install a server and the client tools. Use this option if you want to set up a server with administration capabilities.	
	Help < <u>B</u> ack <u>N</u> ext > Cancel	

3.7 Installation Definition

9. Click "Next", enter "Instance Name"



3.8 Instance Name

10. Click "Next", enter "Setup Type"

Setup Type		×
Click the type of Set	ip you prefer, then click Next.	
Typical	Installed with the most common options. Recommended for most users.	
⊙ <u>M</u> inimum	Installed with minimum required options.	
C <u>C</u> ustom	You may choose the options you want to install. Recommended for advanced users.	
Destination Folder		
Program Files	Browse C:\Program Files\Microsoft SQL Server	
Data Files	Browse C:\Program Files\Microsoft SQL Server	
	Required: Available:	
Space on program	illes drive: 38073 K 14636168	K
Space on system d	IVE: 100534 N 14535156 Juine 24422 K 14636166	N I K
Space on data files	anve: 34432 N 14636166	_
	<u>H</u> elp < <u>B</u> ack <u>N</u> ext > Cancel	

- 3.9 Setup Type
- 11. Click"Next", enter "Services Accounts", select"Use the local system account"

Services Accounts		×
<ul> <li>Use the same account for eac</li> </ul>	h service. Auto start SQL	Server Service.
Customize the settings for eac	h service.	
Services	Service Settings	
C SQL <u>S</u> erver	Use the Local System	em account
C SQL Server Agent	C Use a Domain Use <u>r</u>	account
	<u>U</u> sername:	Administrator
	<u>P</u> assword:	
	<u>D</u> omain:	WWW-AFDE38C45F5
	L Auto Start Service	
<u>H</u> elp	< <u>B</u> ack	Next > Cancel

3.10 Services Accounts

12. Click "Next", enter "Authentication mode", select "Mixed mode" Ener password "sa"

Authentication Mode		×
Choose the authentication mo	de.	
C Windows Authentication N	fode	
Mixed Mode (Windows Au	thentication and SQL Server Authentication)	
Add password for the sa login:		
Enter password:	x	
Confirm password:	*	
☐ Blan <u>k</u> Password (not recor	nmended)	
Helg	) < <u>B</u> ack <u>N</u> ext > Cancel	

3.11 Authentication mode

13. Click "Next", enter "Start Copying Files"



3.12 Start Copying File

14. Click "Next", start install component



3.13 install component

15. Setup Complete



3.14 Setup Complete

# **3.1.2 MSDE installations (For small projects)**

1. Dubule click and decompress setup.exe file of MSDE, start installation



3.15 Decompress installation

#### MSDE defaultly install in C:

2. Dubule click C:\Program Files\Microsoft SQL server\80\Tools\Binn sqlmangr.exe, open data-base serve management



3.16 Open Server

3. Click "strart/continue" open data-base server



3.17 Server Sevice



3.18 Open serve

## 3.2 CMS server installation

1. Double "server.exe", enter "Select the install language"



3.19 Select the install language

2. Select install language "Chinese" or "English", click "yes", enter "installation guide"



3.20 Alarm channel

3. Click "Next", enter "Select Destination Location"

j <mark>5</mark>  Setup - CMS Server	
Select Destination Location Where should CMS Server be installed?	
Setup will install CMS Server into the following folder. To continue, click Next. If you would like to select a different folder, click Browse.	
C:\Program Files\CMS System\Server	a
At least 8.5 MB of free disk space is required.	
< <u>B</u> ack Next>	Cancel

3.21 Installation Browse

4. Click "Next", enter "Select component", include 3 typies of installations "Full installation", "Sample installation", "Defined installation"

Take"Full installation"for exampls, default installation include"Center", "Getway Server", "Media Server", "Alarm Server", "Manger Tool", can also cancel no need server.

Full installation	~
Program	6.4 MB
Server Control	1.3 MB
Center Server	2.8 MB
🔽 Gateway Server	2.6 MB
Media Server	1.8 MB
Alarm Server	2.6 MB

3.22 Select component

5. Click "Next", enter "Select start Menu Folder"

Select shortcut for storage

Setup - CMS Server	
Select Start Menu Folder Where should Setup place the p	program's shortcuts?
Setup will create the p	rogram's shortcuts in the following Start Menu folder.
To continue, click Next. If you v	vould like to select a different folder, click Browse.
CMS System	Browse
	K Back Next > Cancel

3.23 Select start Menu Folder

6. Click "Next", enter "Select Additional Tasks", default "Create a desktop icon", cancel if no need "

j∯ Setup - C∎S Server	
Select Additional Tasks Which additional tasks should be performed?	
Select the additional tasks you would like Setup to perform while installing CMS then click Next.	Server,
Additional icons:	
☑ Create a <u>d</u> esktop icon	
< <u>B</u> ack Next>	Cancel

3.24 Select Additional Tasks

#### 7. Click "Next" enter "Ready to install"

15 Setup - CMS Server	
<b>Ready to Install</b> Setup is now ready to begin installing CMS Server on your computer.	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:\Program Files\CMS System\Server	^
Setup type: Full installation	
Selected components: Program Server Control Center Server Gateway Server Media Server Alam Server	
< <u>B</u> ack Install	Cancel

3.25 Ready to install

#### 8. Click "Installation" lauch CMS server.



3.26 lauch CMS server.

9. Find startup in the installed software after lauch.



3.27 startup installed software

## 3.3 CMS Client installation

1. Double "client.exe" file, enter "Select installing using language"

选择安	装语言	×
1	选择安装时要使用的语言:	
	English	~
	<b>一 确定</b> 取消	

3.28 Select installing using language

2. Select language, "Chinese" or "Engligh", click "Yes", enter installing guide



3.29 Installation Guide

3. Click "Next", enter install browse

Select Destination Location	
Where should CMS Client be installe	ed?
Setup will install CMS Clier	nt into the following folder.
To continue, click Next. If you woul	ld like to select a different folder, click Browse.
C:\Program Files\CMS System\Clie	ent Browse
At least 11.4 MB of free disk space	is required
Actedist 11.4 Mb of free disk space	is required.

3.30 Select destination Location

4. Click "Next", enter "Select Components"

🕞 Setup - CIS Client
Select Components Which components should be installed?
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.
Full installation 💌
Full installation
Compact Installation Custom installation
Manage Lool 1.7 MB
Current selection requires at least 26.8 MB of disk space.
< <u>B</u> ack <u>N</u> ext > Cancel

3.31 Select Components

5. Select installed components, Such as "Full installation", click "Next"

Select the components you war install. Click Next when you are	it to install; clear the components you do not want to ready to continue.
Full installation	~
<ul> <li>Program</li> <li>Cms Client</li> <li>Manage Tool</li> </ul>	7.0 MB 13.7 MB 1.7 MB

3.32 Full installation

6. Click "Next", enter "Select Start Manu Folder"

j <mark>9</mark> Setup - C∎S Client	
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start Me	nu folder.
CMS System	Browse
< <u>B</u> ack <u>N</u> ext >	Cancel

3.33 Select Start Manu Folder

7. Click "Next", enter "Select Additional Tasks", default Create a desktop icon, if you don't want, pls don't mark

ect Additional Tasks Which additional tasks should be perfo	ormed?	₩1
elect the additional tasks you would nen click Next.	like Setup to perform while	installing CMS Client,
Additional icons:		
Create a desktop icon		
		10.12
	C / Back	Nevt > Car

3.34 Select Additional Tasks

8. Click "Next", enter "Ready to install"

j <mark>3</mark> Setup - C∎S Client	
<b>Ready to Install</b> Setup is now ready to begin installing CMS Client on your computer.	
Click Install to continue with the installation, or click Back if you want to revie change any settings.	w or
Destination location: C:\Program Files\CMS System\Client Setup type: Full installation Selected components: Program Cms Client Manage Tool	
Start Menu folder: CMS System	Cancel

3.35 Ready to install

9. Click "install" lauch CMS client



3.36 installed completed





# **4** Server configuration

When installing CMS servers, can flexible deploy according to the whole system capacity. If the vehicles is within 128, then can put all of the servers into one PC, If vehicles is more than 128, can do distributed deployment on servers.

Server configuration needs to use CMS system management(Manage Tool procedure), define the servers resources under system, and the servers' related configuration information. Center server can adjust resource according to defined server information.

Moreover , also need to do configuration on each server's system parameter, and connect to CMS system.

## 4.1 Centre server configuration

Right Click "Preferences" in the center server of system tray in taskbar.



4.1 Center server menu

Center server pa	rameter	settings	×
-Database Parameter	s		
Database Address	(local)		
User name	sa		
Password	**		
-Network parameters			
Language	english	*	
Client access port	8500		
	ОК	Cancel	)

4.2 Center server parameter settings

Datebase address: (local) i.e. the database server of using PC, If server 如果 and database installed in the same PC, then can use(local), Or else, fill out IP of datebase server.

**User name:** User accessed datebase server, i.e. datebase server users, center server connect with datebase server via user name.

Password: password for access datebase server.

Client access port: default 8500, Pls do not modify the ID. Center server prompt service to client and other servers via this port.

## 4.2 Gateway server configuration

Double click "Manage Tool", Pop "Login".

ange Tool	
Login	Σ
<b>R</b>	E S
Please enter a User	user name and server information
Password	127.0.0.1
Server Language	english
	Login Exit

4.3 Login

Input user name (defoult:admin), NO Password, and center server IP, Click "Login", enter CMS system management.

# 4.2.1Gateway server managment

Run **CMS system manage tool** (Manage Tool ), Can do related edit, add, modify, delete, etc on gateway server.

er Management	vehicle Manag	ement	Gateway Server	Streaming media server	Stream forwarding A	.ar (
erver list						
Server name	Server ID	Dev	ice Access Addre	ss Device access port	Client Access address	C1
local	000001	127	. 0. 0. 1	8501	127.0.0.1	85
<						>
Refresh	Add Modif	y	Delete			

4.4 Gateway server management

Iodi	fy Gateway S	erver	
	Server name	local	
	Server ID	000001	
	Device Access Address	127.0.0.1	
Dev	vice access port	8501	
	Client Access address	127.0.0.1	
	Client Access Port	8502	
		OK Ca	ncel

4.5 Gateway server parameter

Server name: Your server name.

Server ID: Unique ID for each gateway server, no repeat. Stay the same with  $\mu$  gateway server procedure setting ID, check 4.2.2.

Device access address, device acess port: DVR can establish signalling link 可以 with gateway server via this IP, port. The address information must be able to

access by vehicle DVR. I.e. gateway server must be visible to vehcie DVR, or else, vehicle DVR can not connect to CMS system.

**Client access address, client acess port:** Clients inquiry the related server from gateway server via IP and Port.

### 4.2.2 Gateway server parameter configuration

Gateway server communicate with center server, prompt DVR device registering service, Getting the inquiries of the stream media server via clients.

Right Click "Preferences" in the gateway server of system tray in taskbar.



4.6 Gateway server menu

Gateway Server	system parameter 🛛 🔀
-Center server	
IP	127.0.0.1
Port	8500
-System parameter -	
Language	english 💌
Server ID	000001
Device assert port	8501
Client Access Port	8502
	OK Cancel

4.7Gateway server parameter configuration

#### Center server parameter

**IP: Centre server IP.** 127.0.0.1 i.e. loopback address, If Gateway server and center server connect with the same PC on running, then can setup the IP of 127.0.0.1.

Port: Center server 's port, default :8500.

#### System parameter

Server ID: Unique ID for each gateway server. System can deploy one or more

gateway server. Center server can classify gateway server via the ID. The ID must be same with gateway server ID in manage tool.

**Device access port:** Supply DVR with signaling registration service via this port, default: 8501, advised not to modify.

**Client access port:** Supply clients and media server with service via this port, default: 8502, advised not to modify.

### 4.3 Stream media server configuration

## 4.3.1 Stream media server management

Run **CMS system manage tool** (Manage Tool ), Can do related edit, add, modify,delete, etc on stream media server.

IS Server System Management						
User Management	vehicle Mana	gement Gateway Server	Streaming media serve	er Stream forwarding	Alar 🗸 🕨	
Server 11st	Server TD	Derri an Annors Address	Device Assers port	Client Assess address	Store	
local	000001	127.0.0.1	81	127.0.0.1	127.(	
Refresh	Refresh Add Modify Delete					
					Exit	

4.8 stream media server management

Lodify streaming	media server 🛛 🔀
Server name	local
Server ID	000001
Device accesss address	127. 0. 0. 1
Device Access port	81
Client Access address	127. 0. 0. 1
Storage server access address	127. 0. 0. 1
Client and storage server access port	8504
	OK Cancel

4.9 stream media server parameter

#### Server name: local

**Server ID:** Unique ID for each stream media server, the ID must be the same with stream media server procedure setting, for more,pls check 4.3.2.

**Device access add. & port:** Vehicle DVR can establish media link with stream media server via the IP, port. The address data have to be accessed by DVR, i.e. that the Stream media server must be visible to DVR. Or else, DVR device can not transmit media data to clients CMS.

**Client access add**, **port**: Client can ask gateway server the related service via this IP,port.

Storage server access port: Not available now.

## 4.3.2 Streaming server configuration

Stream media server communicate with center server, offer clients media transmit server, offer DVR device prompt media registered service.

Right Click "Preferences" in the Stream media server of system tray in taskbar.



Streaming Server parameter 🛛 🗙					
Center server					
IP 127.0.0.1					
Port 8500					
System parameters					
Language english					
Server ID 000001					
Device Access 81 Port					
Customer Access 8504 port					
OK Cancel					

4.11 stream media parameter setttings

#### Center server parameter

IP: center server's IP $_{\circ}$  127.0.0.1 i.e. loopback address, If stream server and center server connect with the same PC on running, then can setup the IP of 127.0.0.1 $_{\circ}$ 

Port: Center server 's port, default :8500.

#### System parameter

**Server ID:** Unique ID for each stream media server. System can deploy one or more stream media server. Center server can classify stream media server via the ID. The ID must be same with stream media server ID in manage tool.

**Device access port:** Supply DVR with media registering service via this port, default: 81, advised not to modify.

**Client access port:** Supply clients with media transmit via this port, default : 8504, advised not to modify.

### 4.4 Alarm server configuration

### 4.4.1 Alarm server management

Run **CMS system management** (Manage Tool procedure), under the alarm lable, do edit operating, add, modify, delete, ect.

nent vehicle	Management G	ateway Server	Streaming m	edia server	Stream	forwarding	Alarm Server	
erver list								
Server name	Server ID	Device Acc	ess Address	Device Acce	ess Port	Client Acc	ess address	C1
local	000001	127.0.0.1		8505		127.0.0.1		85
<								>
Refresh	Add Modi:	fy Delete						

4.12 Media server managemetn

Lodify alarm ser	ver 🔀
Server name	local
Server ID	000001
Device Access Address	127.0.0.1
Device Access Port	8505
Client Access address	127. 0. 0. 1
Client Access Port	8506
	OK Cancel

4.13Alarm server parameter

# 4.4.2Alarm server configuration

Alarm server connect with data-base, store alarm data, and communicate with center server, receive alarm data via vehicle DVR, and also send alarm
message to client.

Click "Preference" in taskbar.



4.14 Alarm server menu

Alarm Server Sys	stem parameters 🛛 🔀
-Center server	
IP	127.0.0.1
Port	8500
-Database parameter	rs
Database address	(local)
Vsername	28
Password	**
-System parameter -	
Language	english 💌
Server ID	000001
Device alarm access port	8505
Client access Port	8506
	Ok Cancel

4.15 Alarm server parameters configuration

#### Centre server parameter

IP: Center server IP. 127.0.0.1. If alarm server and center server work on the same computer, then IP can be setted 127.0.0.1.

Port: center server port, 8500.

#### Date-base parameter

**Database add.:** (local) show the database server on this PC, if server and database install on the same PC, then can use local.

User name: user name for login database server

Password: password for login database server

#### System parameter

Server ID: Unique ID for each media server......

**Device access port:** Supply vehicle DVR with receiving alarm data via the port. Default: 8505, advise not to revised.

**Client access port:** Supply alarm data to client via the port, default 8506,advised not to revised.

### 4.5 System user management

### Add user group

Click "add user" or double-click blank, pop "add group"

r Management	vehicle Ma	pagement   Gatewar S	erver Streeming medie serve	xStream	forwarding	Alar 4
er group		Add user group		3		
Group name	Notes	-				
ystem admi	All Right	Group name Notes Competence				
(双击)	空白处		<ul> <li>User management</li> <li>Vehicle management</li> <li>Streaming Media Manage</li> <li>Storage management (s</li> <li>Alarm Server Management</li> <li>Electronic Map Manage</li> <li>TV Wall Management</li> <li>Device parameter Mana</li> <li>Alarm Management</li> <li>Video Preview</li> </ul>			
Add Mc	dify De	[	OK Cancel	Device :	License	

4.16 Add user group

Filling-in "group name", "notes" (optional), competence, Click "OK",

Add user group	X
Group name   测试组 Notes   test	
Competence Vuser managem Vehicle mana Streaming Me Storage mana Alarm Server Electronic M TV Wall Mana Device param Alarm Manage Video Previe Tum	ent gement dia Manag gement (s Manageme ap Manage gement eter Mans ment w
ОК	Cancel

4.17 Add user data

CLS Server Sy	sten Tanagenen	È							
User Management	vehicle Management	Gate	way Server Meer	Stres	ming media se	rver	Stream	forwarding	Alar 4 🕨
Group name	Notes		Username		Notes				
System edmi 测试组	All Rights test								
Add	dify Delete		Add	Modi	fy Delete		Device	License	
									Exit

## 4.18 add group

Modify user group

Double-click the group needed modified, or Click "modify", pop user group modify

CLS Server Sy	sten Tanagenent					
Vser Management	vehicle Management	Gateway Server	Streaming media s	erver Stream forwa	rding Alar 🗸 🕨	
User group		Vser				
Group name	Notes	Username	Notes			
System_admi 测试網	All Rights test					
双击要	修改的组					
选中要修改的组,点击"修改" Add Modify Delete Device License						
					Exit	

4.19 modify user group

Lodify user gr	:oup 🔀
Group name	初這發展
Notes	test
Competence	<ul> <li>✓ User management</li> <li>✓ Vehicle management</li> <li>✓ Streaming Media Manage</li> <li>✓ Storage management (s</li> <li>✓ Alarm Server Management</li> <li>✓ Electronic Map Manage</li> <li>✓ TV Wall Management</li> <li>✓ Device parameter Management</li> <li>✓ Video Preview</li> <li>✓ Wideo Preview</li> </ul>
	OK Cancel

	2回の一般をは 4-4-4
Group name	(初)[3]3日111
Notes	11111
Competence	<u>^</u>
	User management
	Vehicle management
	Streaming Media Manag
	Storage management (s
	🗖 Alarm Server Manageme
	Electronic Map Manage
	TV Wall Management
	Device parameter Mans
	🗖 Alarm Management
	🗖 Video Preview 🗸

Modify the related content, Click "OK" complete,

4.21 Test info

er management	vehicle Managemer	it Gate	eway Server	Stres	ming media se	rver	Stream forwardi	ing Alar
ser group			Vser					
Group name	Notes		Username		Notes			
System admi	All Rights							
则试到111	11111							
(								
	修仪成切							
			L					
			L					
			L					
			L					
						1.		1
Add M	odify Delete		Add	Modi	fy Delete		Device License	

4.22 Modify user group name

Delete uers group Select the deleted user group, Click" delete".

ser Management	vehicle Management	Gate	way Server	Strea	ming media se	rver	Stream forwarding	Alar 🤇
User group			User					
Group name	Notes		Username		Notes			
System admi	. All Rights							
	bbA							
	Modify							
	Delete							
					1			
1				11.22	fv Delete		Device License	
Add Ma	dify Delete		Add	modi		_		
Add Mo	dify Delete		Add	modi				

4.23 Delete user group

CIIS Server System Nanagement 🛛 🗙							
User Management	vehicle Management	Gateway Server	Streaming media set	rver Stream forwarding	g Alar <sup>↓</sup>		
User group	User						
Group name	Notes	Username	Notes				
System_admi 测试组111	All Rights 11111	-					
	CES Lanage	4					
	🚺 Data	a Delete will not	. restore! Whether t	o delete?			
		備定	取消		=		
Add Mo	dify Delete	Add	Modify Delete	Device License			
					Exit		

4.24 confirm delete

Click "OK", deleted successful

User add, modify, delete,etc.

## 4.6 Vehicle data

#### Add group

Click "add group", enter "add group"

CIIS Server System Management
User Management vehicle Management Gateway Server Streaming media server Stream forwarding Alar 🗘 🕨
Add group
Name
OK Cancel
Refresh Add group Modify group Delete group Add vehicel Modify vehicel Delete vehicel
Exit

4.25 add group

Input group name, Click "OK"

Add group		X
Nam	e 测试onel	
	OK	Cancel

4.26 Input group name

Succeed added

CLS Server System Management		
User Management vehicle Management	Gateway Server Streaming media serve	r Stream forwarding Alar 🗸 🕨
□		
Refresh Add group Modify	group   Delete group   Add vehicel	odify vehicel Delete vehicel
	I	
		Exit

4.27 add group

### Add vehicle

Select the group need to add, Click "add vehicle" Enter "add vehicle"

Add vehicle	X
Vehicle name	
Vehicle code	
Device User	admin
User password	123456
IO Input	1
IO Output	1
Channel	4
Channel	Vehicle name
1	channel1
2	channel2
3	channel3
4	channel4
	UK Cancel

4.28 add group data

Input related info

Add vehicle	
Vehicle name	东风雪铁龙
Vehicle code	<b>粤</b> B12345
Device User	admin
User password	123456
IO Input	1
IO Output	1
Channel	4
Channel	Vehicle name
1	channel1
2	channel2 shoppol3
4	channel4
	OK Cancel

4.29 input vehicle data

Click "Exit"

CLS Server System Management	
User Management vehicle Management Gateway Serv	er Streaming media server Stream forwarding Alar 🗸 🕨
■ All group ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	
Refresh Add group Modify group Delet	group Add vehicel Modify vehicel Delete vehicel
	Exit

### 4.30 add vehicle

Enter vehicle management, the vehicle is in the group when i.e. it's registered, otherwise, unregistered.

CLS Server System Management					×
User Management vehicle Management	Gateway Server	Streaming media ser	rver Stream	forwarding	Alar 🗘 🕨
<ul> <li>▲ All group</li> <li>● ● ● 承属雪铁龙</li> <li>● ● ● 承属雪铁龙</li> <li>● ● ● 和目1</li> <li>● ● ● Channel1</li> <li>● ● ● ● Channel2</li> <li>● ● ● ● ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</li></ul>					
Refresh Add group Modify g	group Delete g	roup Add vehicel	Modify vehi	cel Delete	vehicel
					Exit

4.31 Vehicle register

## 4.7 Sever control software

Mainly do surveillance on server conditions

**Startup server:** control software will run automatic after startup, users can use this software to startup server procedure.

Surveillance condition: show the running condition, and running time.

**Guarding:** if server don't update info within 60s, the procedure will reboot and confirm the servers 7\*24h continuous working.

Server parameter configuration: Adjust server parameters configuration via sending message to running server



2. For the first time installation, it will show pop create database, non-existent, create database or not, Click "OK", create it success.

3. And start center server, gateway server, media server, alarm server, pop "CMS server control"

١	L, CIIS Server Control							
	System Language	e Help						
	Start Monitor Stop monitor Server Config Path Auto Moni							
	Server	Monitor	Information	Run Time	Auto Mos			
	Center Server Gateway Server Media Server Alarm Server	Monitoring Monitoring Monitoring	Running - Running Running - Running Running - Running Running - Connect center server	04:33:59 04:33:59 04:33:59 04:33:59	Yes Yes Yes			
	<				>			
1	Run Time 04:34:00							

### 4.33 Server control

4. When select a server, the buttom condition turned into available on the interface. And can have surveillance, server configuration, route setting, cancel auto surveillance on the selected server.

B <sub>o</sub> CES Server	Control			×
System Languag	e Help			
Start Monitor	Stop monitor	Server Config Path	Cancel Auto M	lonitor
Server	Monitor	Information	Run Time	Auto Mos
Center Server	Monitoring	Running - Running	04:34:20	Yes
Gateway Server	Monitoring	Running - Running	04:34:21	Yes
Media Server	Monitoring	Running - Running	04:34:21	Yes
Alarm Server	Monitoring	Running - Connect center server	04:34:20	Yes
<				>
Run Time 04:34:23				

# 5 Fast system configuration

The using enviroment of fast system configuration is installing all of the servers to the same computer.

## 5.1 Starting work

Consult system 3 installation, install CMS system.

## 5.2 Startup data-base server

## 5.2.1 Startup MSSQL data

1. CMS client MSSQL, to be center database, select MSSQL server in procedure. such:





2. Click "server management", SQL Server startup, then it will be a icon in the right procedure on PC.



5.2 Startup server

## 5.2.2 Startup MSDE database

1. CMS client open MSDE server via MSDE which to be center database, such:



5.3 Startup server

Ser <u>v</u> er:	YYYY-AFDE38C45F5
Se <u>r</u> vices:	SQL Server
	Refresh services
	Start/Continue
	II Pause
	St <u>op</u>
🔽 Auto-star	t service when OS starts

2. Click "start/continue" startup database server, as below:

5.4 startup server

3. Startup server succesful.

## 5.3 Startup CMS server

1. Select"Server Control"in procedure, and click it open



5.5 Startup procedure

2. For the first time installation, it pop"Database does not exist, create the database". Only for the first time installation, it will point out this.

68	Center	server	×
	Center	server	
	⚠	Such database does not exist, create the database?	
		() 	
		5.5 installation	

3. Click"OK", created succesful, and startup center server、gateway server、streaming media server、alarm server.

٦	L, CILS Server Control							
1	System Language Help							
	Start Monitor Stop monitor Server Config Path Auto Monitor							
	Server	Monitor	Information	Run Time	Auto Mos			
	Center Server Gateway Server Media Server Alarm Server	Monitoring Monitoring Monitoring	Running - Running Running - Running Running - Running Running - Connect center server	00:00:51 00:00:51 00:00:51 00:00:51	Yes Yes Yes			
F	Run Time 00:00:54				>			

5.6 Server control

## 5.4 CMS server configuration

CMS server configuration is to be configurate according to the particular network environment.

CMS server must be working under public enviroment. Vehicle DVR

establishcommunication with CMS initiatively via 3G under public network  $\mathsf{enviroment}_\circ$ 

## 5.4.1 Server service port

CMS server default state is using the following ports supply service to DVR and client CMS. If exist fire wall, it must open the following port, then the servers can offer DVR and client CMS the related service.

Server name	Server port	Spec.	Remark
Center server	8500	Supply all of the servers	TCP & UDP
		and clients with access	
		server.	
Gateway server	8501、8502	8501: device sevice port	8501: UDP
		8502: Supply clients with	
		services	8502: TCP & UDP
Streaming media	81、8504	81: Supply device with	81: TDP
server		services port	
		8504: Supply clients with	8502: TCP & UDP
		service port	
Alarm server	8505、8506	8505: Supply device with	8505: UDP
		services port	
		8506 Supply clients with	8506: TCP & UDP
		service port	

## 5.4.2 Server address configuration

Servers must supply vehicle DVR device & clients with service on WAN. Server address configutration includes Gateway server, Stream media server, Alarm server., and confirm address is the WAN address. Towards the device or clients CMS, can access the related server via the address. Server address configutration is mainly use "CMS system management" do the configuration.

As belowed:

Server name	Server address	Spec.	Remark
Gateway server	Device access	Gateway server WAN IP	5.4.22
	address	that Device access	
	Client access	Gateway server WAN IP	5.4.22
	address	that CMS client access	
Stream media	Device access	Stream media server WAN	5.4.23
server	address	IP that Device access	
	Client access	Stream media server WAN	5.4.23

	address		IP that CMS client access	
Alarm server	Device	access	Alarm server WAN IP that	5.4.24
	address		Device access	
	Client	access	Alarm server WAN IP that	5.4.24
	address		CMS client access	

### 5.4.2.1 CMS system management login

Setting each server's IP, select Manage Tool in the procedure, click startup



5.5 startup clients

Pop "Manage Tool" login

Login 🔀
Please enter a user name and server information
User
Password
Server 127.0.0.1
Language english
Login Exit

5.5 Login

Input user (default: admin), Password (NO password) & server IP.

L	.ogin 🔀
	Please enter a user name and server information
	Vser admin
	Password
	Server 127.0.0.1
	Language english
	Login Exit

5.5 input info

Click "Login", enter CMS system management

er Management	vehicle Management	Gate	eway Server	Strea	ming media se:	rver	Stream forwarding	Alar 4
lser group		Vser						
Group name	Notes		Username		Notes			
System admi	. All Rights		admin		Administ			
Add Mo	dify Delete		Add	Modi	fy Delete		Device License	

### 5.5 Management

## 5.4.2.2 Gateway server IP configuration

Select and modify gateway server in the CMS system management, three ways as belowed:

- 1. Select the modified gateway server, click right mouse select modify;
- 2. Select the modified gateway server, Click "modify";
- 3. Select the modified gateway server, Double-click.

er Management	vehicle Manag	ement Gateway Server	Streaming media server	Stream forwarding Alar
erver list	· · · · · · · · · · · · · · · · · · ·			
-	[ C TD	D 1 1 11		al:
Server name	Server ID	Device Access Addre	ss Device access port	Llient Access address L
TOCAT	000001	444	1000	121.0.0.1 0
		Modify		
		Delete		
6				
· · · · ·	1			
Refresh /	Add Modif	y Delete		

5.5 Modify gateway server

Pop modify interface

Device access and client access add. needed to be modified( frame it in red).

Lodi	fy Gateway S	erver	×
	Server name	local	
	Server ID	000001	
	Device Access Address	183. 15. 133. 97	1
Dev	ice access port	8501	
	Client Access address	183. 15. 133. 97	
	Client Access Port	8502	
		OK Cancel	

5.5 Modify interface

Clients need to modify device access address and client access address.

**Device access address:** Public network IP in streaming media server device accessed;

Clients access address: Public network IP in streaming media server clients accessed.

Control port setting is the port no. of the gateway server, ordinary setting: 8501.

Click "YES", modified the gateway sucessfully.

### 5.4.2.3 Streaming server IP configuration

Select and modify stream media server in the CMS system management, three ways as belowed:

1. Select the modified stream media server, click right mouse select modify;

2. Select the modified stream media server, Click "modify";

3. Select the modified stream media server, Double-click.

	STEL Lanag	ement		1
Jser Management	vehicle Mana	gement Gateway Server	Streaming media server	Stream forwarding Alar
Server list				
Server name	Server ID	Device Access Address	Device Access port CI	lient Access address   Stor:
local	000001	127.0.0.1	81 Add 12	27. 0. 0. 1 127. (
			Modify	
			Delete	
L				
L				
<				>
Refresh	Add Modi	fy Delete		
	1			
				Exit

5.5 modify stream media server

Pop modify interface

Device access, CMS client access, and storaged server add. needed to be modified (framed it in red).

<b>L</b> odify streaming	media server 🛛 🔀
Server name	local
Server ID	000002
Device accesss address	127. 0. 0. 1
Device Access port	81
Client Access address	127. 0. 0. 1
Storage server access address	127. 0. 0. 1
Client and storage server access port	8504
	OK Cancel

#### 5.23 Modify interface

Clients need to modify device access address and CMS client access address.

**Device access address:** Public network IP in streaming media server device accessed;

Clients access address: Public network IP in streaming media server clients accessed.

Click "YES", modified the stream media server sucessfully.

### 5.4.2.4 Alarm server address configuration

Select and modify alarm server in the CMS system management, three ways as belowed:

- 1. Select the modified alarm server, click right mouse select modify;
- 2. Select the modified alarm server, Click "modify";
- 3. Select the modified alarm server, Double-click.

	ЭV.				1	-	
ent vehicle	Management Ga	teway Server	Streaming m	edia server	Stream	forwarding	Alarm Server
rver list	1	1			-		
Server name	Server ID	Device Acc	ess Address	Device Acce	ess Port	Client Aco	ess address
ocal	000001	127.0.0.1		4dd		127.0.0.1	
				Nodify			
				Delete			
ð]							
Refresh	Add Modif	y Delete					

5.5 modify alarm server

Pop modify interface

Device access, CMS client access, and storaged server add. needed to be modified(frame it in red).

odif	iy alarn ser	ver	×
	Server name	local	
	Server ID	000003	
	Device Access Address	183. 15. 133. 97	1
Dev	ice Access Port	8505	
	Client Access address	183. 15. 133. 97	1
Cli	ent Access Port	8506	
		OK Cancel	

5.23 Modify interface

Clients need to modify device access address and CMS client access address.

**Device access address:** Public network IP in streaming media server device accessed;

Clients access address: Public network IP in streaming media server clients accessed

Click "YES", modified the alarm server sucessfully.

## 5.4.3 Server configuration

Servers distribution mainly exist two conditions so far.

### 5.4.3.1 Server do network via router

Structure:



Company surf on-line via ADSL, is belongs to the state. DVR can not access CMS client directly, can only access router, port mapping to server on router via WAN IP.

### **Operating:**

- 1. Examine router WAN IP;
- 2. Port mapping;
- 3. Modify gateway, stream media, alarm server address;
- 4. Server IP setup on DVR (WAN IP).

Virtual server defines mapping relationship between WAN server port and LAN server, re-positioning all of the WAN server port access to the LAN server via IP address appointed. Vehicle can only access router via WAN IP, then do port mapping via router access PC installed CMS, so it need to do Virtual Server setup to router. Similar setup among the setting, Take Virtual server of Tenda router and virtual server of TP-LINK router for examples. As belowed:

Note: Open CMS server when test port mapping, For further info on open server, check 5.3, setup CMS server.

### 5.4.3.1.1 TENDA router

#### 1. Examine router's WAN IP

1. First open E browser, input: 192.168.0.1, Pop login, User name and password, Click"Yes".

连接到 192.168.	0.1
TENDA NAT Router	
用户名 (1):	21
密码(E):	
-	记住我的密码 (R)
	确定取消
	5.5 login interface

2. Pop Tenda router main interface, Click " running condition" Enter WAN

运行状态			( )
e 11 7/ 405	TAN口状态		
快速设置	连接件太	已连接	4119 754
本设置	WAN TP	183 15 133 97	
	子网掩码	255, 255, 255, 255	
HCP服务器	网关	219. 133. 6. 1	
级设置	域名服务器	202. 96. 128. 166	
th BP 42 set	备用域名服务器	202. 96. 134. 133	
E似版穷奋	WAN口流量:	Down 30.92 KB/s Up 45.39 KB/s	
全设置	连接方式	PPPoE	
8由设署	连接时间	01:29:09	
шжв	连接	断开	
统工具			
t 出登录			
点击查看更多	LAND状态		
的路由器产品			
	IP地址	192, 168, 0, 1	
Tenda	子网掩码	255, 255, 255, 0	
	DHCP 服务器	允许	
	NAT	允许	
	防火墙	禁止	

condition, notes **WAN IP**, for using behind, In our interface: **183.15.133.97**,

5.5 Router main interface

### 2. Port mapping

1. Click intented server, Enter the main interface, setup server port and inner network IP, Framed in red. Server ports needed setted: 8500 (Center server), 8501 (Gateway server), 8502 (Gateway server), 81 (Stream media server), 8504 (Stream media server), 8505 (Alarm server), 8506 (Alarm server). Inner network IP setting is same as CMS servers IP, All of the servers install on a computer,, setting the same IP, eg,192.168.0.111 (note: different servers have different IP), After setting, Click Save.

Tenda	TENDA 网络,网络腾达 www.tenda.com.cn
・运行状态	虚拟服务器
・快速设置	● 机服务器完立了广阔网服务端口和局侧网络服务器之间的吨射关系,所有对这
+ 基本设置	广域网服务端口的访问将会被重定位给通过IP地址指定的局域网网络服务器。
↓ DHCP服务器	ID 服务端口 内阿IP 协议 启用 删除
+ 高级设置	1. 8500 192.168.0.111 ALL V
● 虚拟服务器	3. 8502 192.168.0.111 ALL V
• 虚拟服务器	4. 81 192.168.0.111 ALL 🗸 🔽
• UPnP设置	5. 8504 192.168.0.111 ALL 🔍 🔽 🗌
• DMZ主机	6. 8505 192.168.0.111 ALL 🔍 🔽
• — >71 — NAT	7. 8506 192.168.0.111 ALL 🔍 🔽 🗌
+ 安全设置	8 ALL 🛩 🗌 🗌
+ 路由设置	9 ALL 💌 📃
<ul> <li>* 系统工具</li> </ul>	
	常用服务哺니: DNS(53) ▼ 填允到 ID 1 ▼
・退出登求	
请点击查看更多 TENDA的路由器产品 >>>	保存」还原一帮助
@2004 Tends	

5.5 invent server

2. Successful, Click continue completed.

成功!
继续

5.5 Success

3. How to examine port mapping condition, input "cmd" in the running, Click "Yes".

运行 ? 🔀
if键入程序、文件夹、文档或 Internet 资源的名 称,Windows 将为您打开它。
打开 @): [emd]
确定 取消 浏览 (B)

5.5 Running interface

4. Input "telnet 183.15.133.97 8500" when happens the interface as belowed, 183.15.133.97 is the WAN IP, 8500 is port No., can do port mapping test by inputing port no. one by one.



5.5 Test port mapping

### Notes: a blank separated telnet and WAN IP

5. Enter the interface as below when successful.



5.5 successful interface

6. "Can not open master's connection, at port 8500: failed in connection" when unsuccessful, The reason why is CMS server is open. Afresh test will be OK.



5.5 Failture interface

3. Modify gateway, stream media, alarm server addrress. (For futher information, pls check in 5.4.2)

4. Server IP setting (WAN IP) on DVR。 (For futher information, pls check in 5.5.2 Network setting)

### 5.4.3.1.2 TP-LINK Router

#### 1. Check the router's WAN IP.

1. First, open I E browser, input: 192.168.0.1, Pop login interface, Input user name and password, Click"Yes".

Pop TP-LINK route interface, Click running condition in left menu, turns up WAN, notes IP address, which will be used in future.



### 2. Process port mapping

- 1. Click "transmit rule" in the left menu, it will pop WAN server setting interface.
  - Click "Add new clauses.

🖉 TL-WR841N - Wind	lows Internet Explorer					- 6 🔀
GO. E http://	192.168.0.1/	1.1.4		💌 🖹 😽 🗙 🌌 Trag		۰ م
👷 收藏英 🏀 TL-8884	11.9			🚯 • 🖾 - 📾	<ul> <li>页面(2)、安全(5)、</li> </ul>	· IAO· 0· "
TP-LIN	K. 30	DM 传输速率,	实现无线	自由连接替想		
<ul> <li>・运行状态</li> <li>・设置向身</li> <li>・设置向身:</li> <li>・回答受金说量</li> <li>・可容易参数</li> <li>・死状決測多器</li> <li>・特支規則</li> <li>・特支規則</li> <li>・特支規則</li> <li>・特支規則</li> <li>・特支規則</li> <li>・「いいで設置</li> <li>・支全功能</li> <li>・大術工具</li> </ul>		加損等機 虚拟腺系器定义了广域[3] 服务端口的访问将会被重5 一一一服务端口 一一一一服务端口	服务端口和局线同网络 定位绘通过IF线址接定部 了增址 资源目生效 把	服务器之间的映射关系。所有 的局域阿阳结服务器。 协议 状态 所有蛋白元款 田田田	和1357"城内 調播 研查目	
完成				😔 Int	ernet 4	· · · ·
19开始 ) /2 @	🧐 🐂 🌈 TL-#28419 - Vind	😕 HERA - SR	Banadag - M	51		C 2 16 0 1:20

2. Mainly setting server port and inner network IP, which is framed in red. Click"Keep" after setting.

🦉 TL-WR841N - Windows Internet	Explorer		
😋 💽 💌 🔊 http://192.168.0.1/		💌 😫 🏘 🗙 🌌 Bing	. م
🚖 收藏夹 🌈 TL-¥R8418		🏠 ・ 🗐 👘 ・ 東面史) ・ 安全	s)• IAQ)• 🔗• »
TP-LINK	300M 传输速率	,实现无线自由连接替想	
<ul> <li>・ 运行状态</li> <li>・ 送置向导</li> <li>・ 设置向导</li> <li>・ 印記記録参数</li> <li>・ 天秋设置</li> <li>・ 即江服务器</li> <li>・ 登払服务器</li> <li>・ 登払服务器</li> <li>・ 特殊应用程序</li> <li>・ 即工主机</li> <li>・ 切工主设置</li> <li>・ 安全功能</li> <li>・ 安全功能</li> <li>・ 安全功能</li> <li>・ 安全功能</li> <li>・ 支全功能</li> <li>・ 支合功能</li> <li>・ 正規控制</li> <li>・ 指示式控制</li> <li>・ 11号表式控制</li> <li>・ 11号表式控制</li> <li>・ 11号表式控制</li> <li>・ 計写表式控制</li> <li>・ 計写表式控制</li> <li>・ 計写表式控制</li> <li>・ 第右工具</li> </ul>	【加股雪器 虚拟服务器定义了广 对该广域内服务端口 器。 服务端口号: 正地址: 物改: 状态: 常用服务端口号: 【使 存】 [逆 函] 一種 助	城内駅冬端口和局域同内治服冬酸2回的映射大系。所有 的访问将合使重定位给通过IP抽扯指定的局域同时结服冬 192.168.0.111 4.II ♥ 生效 ▼ 请法择- ▼	
完成		🥹 Internet	√ <sub>6</sub> • <sup>4</sup> 105% •

5.5 Setting WAN server

3. Server port setted: 8500 (Center server)、8501 (Gateway server)、8502 (Gateway server)、81 (stream media server)、8504 (stream media server)、8505 (Alarm server)、8506 (Alarm server)。Inner network IP setting installed CMS servers IP, as all of the servers install to a PC, so setting the same IP, eg,192.168.0.111 (这 It depence, as different servers have different IP), Click" complete"。

TL-UR841N - Vindows Internet Expl	orer			alles (c)			
G G . [2] http://192.166.0.1/				M [23] **	X	ing	18.
👷 收藏英 🥻 TL-WEB419				🙆 · 🗊	· 🖻 🖷	• 页面(t) • 9	£全⑤・ I具の・ 😚・ '
	Contraction of the			-	-		
TD-LINK	300M	传输	東東, 宜刊	无线自由	1连梧	藝調	
					_		
	虚拟服务器						
• 初至同学	-0.41107				NAME OF	THE R. L. VILLEY, MICH.	
• 022至天孫臺	医胆酸	务器定义了厂	版构服务端口和局域内PF (電空的公園計和株址均匀	981服务器乙间的明 961局域的1993年8月	訂天系;所   編	有对的规则服	
• 陳泰爾阿	See Altit Los		COLOR OF STATE OF STATE OF STATE OF STATE	ER 9/10/CAP OF DE BAR SE			
+ 尤档设置	ID	服务端口	IP地址	协议	状态	網絡	
+ DHCP服务器	1	8500	192. 168. 0. 11	1 ALL	生效	编辑 曲腕	
- 转发规则	2	8501	192.168.0.11	1 ALL	生效	鐵道 批注	
・虚視服务器	3	8502	192, 168, 0, 11	1 ALL	生双	INTE HIPY	
• 特殊应用程序	4	51	192.166.0.11	1 ALL	11-24	INTEL MICH	
• 1002主机	5	8504	192, 168, 0, 11	I ALL	生況	INTE THEFT	
• UFnF设置	7	0005	100 160 0 11	1 ALL	12.3X	HEATER MARK	
<ul> <li>●安全功能</li> </ul>		0000	196.100.0.11	a Plata	-T-M	1949 BUCK	14
<ul> <li>家长控制</li> </ul>	添加	漸条目	使所有条目生效	使所有条目失效	<b> </b>	所有条目	
◆上码控制	Toposet 1		W Bh				
<ul> <li>路由功能</li> </ul>							
<ul> <li>IP帯憲控制</li> </ul>							
◆ IP 与WAD 绑定							
• 約約300S							
+ 系統工具							
Design Carrier C							
					-		
Ful					<b>1</b>	nternet	· · · · 105% ·

5.5 Setting WAN server

4. Test port mapping ( same test as 5.4.3.1.1 Tenda router)

4. Modify gateway, stream media, alarm server address. (For further info, pls check 5.4.2 server address configuration)

6. IP setting on DVR server (WAN IP)。 (For further info, pls check 5.5.2 network setting)

## 5.4.3.2 Servers on public network

Structure:



Server is on the WAN network, DVR can access server. Operating:

- 1. Examine WAN IP;
- 2. Modify gateway, stream media, alarm server address;
- 3. IP setting on DVR server (WAN IP).

1. double-click the right blank of  $\checkmark$ , select the details and pop the interface as below:

常规     详细信息       雇性     值       设备名     HUAWEI Mobile Connect = 3G       设备类型     modem       服务器类型     PPP       传输     TCP/IP       身份验证     MD5 CHAP       压缩     (元)       PPP 多重链接帧     关       服务器     TP 地址       0.000     客戶端       IP 地址     112.97.74.163	▶ Unicom 状态	? 🛛
屈性值设备名HUAWEI Mobile Connect - 3G设备名modem服务器类型PPP传输TCP/IP身份验证MD5 CHAP压缩(元)PPP 多重链接帧关服务器 TP 地址0.000客户端 IP 地址112.97.74.163	常规 详细信息	
役番名  HUAWEI Mobile Connect - 3G 设备类型 modem 服务器类型 PPP 传输 TCP/IP 身份验证 MD5 CHAP 压缩 (元) PPP 多重链接帧 关 服冬器 TP 地址 0.000 客户端 IP 地址 112.97.74.163	属性	值
	で 设备 2 役 4 2 2 4 4 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5	HUAWEI Mobile Connect - 3G modem PPP TCP/IP MD5 CHAP (无) 关 0.000 112.97.74.163
( 关闭 (C)		

- 3. Pls note clients IP address, exactly we will use behind WAN IP.
- 3. Modify gateway, stream media, alarm server address; (For further info, pls
check 5.4.2 server address configuration setting)

4. IP setting on DVR server (WAN IP). (For further info, pls check 5.5.2 network setting)

# 5.5 Vehicle login configuration

Vehicle login configuration do setup on center setup and 3G setup. Center setup mainly do server IP and gateway control port. 3G setup mainly do wireless type, connection port, center ID and user data.

# 5.5.1 Vehicle ID setting

Notes: After connecting power line, Click LOGIN, enter the interface as below:

LOGIN					
DEA	NUM;	00000	(00000)		
τ	JSER:	admin			
PSW:					
<u>login</u>					

5.7 LOGIN

**Device No.:** Unique ID for each device, show in the right frame when Login automatic, user input the same ID.

Password: User password or Admin password, When using user psw login, can only

selecting, informatin menu, can't enter. When admin psw login, can set menu,

parameter.

When the password is incorrect, press down, then press login. when password is

incorrect, reveal prompt message, press up key, then press CANCEL, re-enter the right password.

**Note:** Original User Password: 111111, Original Admin Password: 111111.

Main menu include: SYSTEM, RECORD, VEHICLE, TOOLS, PLAYBACK, SHORTCUT, MODULE, INFO. As below:



5.8 System setting

1. Select the system setting in main interface, pop system setting.



5.5 Basic setting

2. Select "basic " in system, press "Enter":

	BASIC SETU	p
DATE TYPE		AUTOTIMING OFF
DATE	2010-05-19	TIME ZONE GTM-4
TIME	10:45:38	TIMING TIME
OPR TIMEOUT	30 (30~1800s)	Î.
DEV NUM	00000	
COMPANY NAME		
VEHICLE NUM	00000	
DRIVER NAME		
LINE NUM		
		<u>SAVE</u>

5.5 Device NO.

1. Unique ID for each device, every vehicle has its own ID, No permit repeat  $\mathsf{ID}_\circ$ 

# 5.5.2 Center login setting

1. Select the system setting in main interface, pop system setting.





2. Select "NETWORK " in system, Press "enter":

NET	TWORK SETUP
LOCAL NETWORK	
IP ADDR:	192. 168. 000. 250
NETMASK:	255. 255. 255. 000
GATEWAY:	192. 168. 000. 001
MAC ADDR:	05:55:55:55:55
CENTER SETUP:	
SERVER IP:	192. 168. 000. 010
CONTROL PORT:	5678
MEDIA PORT:	5678
	SAVE

### 5.10 Center setting

1. IP addr, Netmask and gateway setting: Press "CANCEL", Press digital key modify in turns. Setup to be the addr as Center server addr.

2. MAC addr setting: Press "ENTER", enter soft keyboard. Press direction key, then ENTER the related add.

3. SERVER IP, CONTROL PORT, MEDIA PORT setting: Press CANCEL, then press digit key(Control & media port range: 0—65535).

Frame in red: Setup the server IP into CMS server WAN IP.

Sett Control port to be gateway server port ID, normal: 8501.

# 5.5.3 3G setting

1. Select the module management in the main interface, pop module management interface



5.11 module management

2. Select Wireless setup, Pop as below:

	WIRELESS SETUP
WIR	ELESS: ON
	TYPE: WCDMA
	APN:3gnet
CENTE	R NUM: *99#
USER	NAME: card
PAS	SWORD: card
	· · · · · · · · · · · · · · · · · · ·
ļ	9473.* L

5.12 Wireless setup

Note: 1. Press Enter, select ON/OFF for wireless, select ON. 2.Press Down ,select type of 3G, EVDO/ WCDMA. For further info on **WCDMA**, pls check **5.5.2.1**, **EVDO 5.5.2.1**.

# 5.5.2.1 WCDMA

1. If the DVR SIM card is WCDMA/ HSPA, select WCDMA, input APN, center num, User name and password.

	WIRELESS	SETUP		
WIR	eless: <mark>On</mark>			
	TYPE: WCDMA			
	APN:3gnet			
CENTE	R NUM:*99#			
USER	NAME:card			
PAS	SWORD:card			
			<u>SAVE</u>	

5.5 WCDMA

2. Click SAVE.

# 5.5.2.1 EVDO

1. If the DVR SIM card istelecom, select EVDO, input APN, center num, User name and password.

	WIRELESS	SETUP	
WIR	eless: <mark>On</mark>	KIIX	
	TYPE: WCDMA		
	APN:3gnet		
CENTE	R NUM:*99#		
USER	NAME:card		
PAS	SWORD:card		

5.5 EVDO

2. Click SAVE  $_{\circ}$ 

# 5.6 Vehicle data register

CMS system mainly manage the registered and unregistered vehicles, can do query, refresh, add, delete, modify,etc.

Enter vehicle management, If the vehicle is in the Test group, it i.e. it was a registered vehicle, or else, i.e. unresgitered. Such as 00000 is the unregistered vehicle.

In order to do surveillance on the vehicles, we should turn the state into registered, Pull the vehicle into test one.

CLS Server System Management
User Management vehicle Management Gateway Server Streaming media server Stream forwarding Alar
All group → 小如雪铁龙 → 小如雪铁龙 → channel1 → channel1 → channel4
Refresh Add group Modify group Delete group Add vehicel Modify vehicel Delete vehicel
Exit

5.13 Register information

Pull vehicle 00000 into Test one, it turns to registered vehicle.

CLS Server System Management
User Management vehicle Management Gateway Server Streaming media server Stream forwarding Alar 4 🕨
All group 中一 东风雪铁龙 中一 channel1 一 channel2 一 channel3 中 channel4 中一 channel4
Refresh Add group Modify group Delete group Add vehicel Modify vehicel Delete vehicel
Exit

5.14 Registered vehicle

# 5.7 User device authorization

Device License in CMS system user management, mainly do distribute vehicles authorization.

Users can only operate owned vehicles.

Enter user management, select "Device License"

ser Management vehicle Management Gate		eway Server	Stream	ning media se	rver	Stream forwarding	Alar	
ser group			Vser					
Group name	Notes		Vsername		Notes			
System admi	. All Rights		admin		Administ			
			L					
			L					
			L					
	1	1	1		- (			
Add Mo	Delete		Add	Modif	fy Delete		Device License	

5.15 Network setup

Select user name, Click "Device License"

CLS Server System Ma	nagement	
User Management vehicle	Device license set 🛛 🔀	Stream forwarding Alar 4 🕨
User group Group name Notes System admi All Righ	□-□-□-> All Vehicle □-□-> 示风雪铁龙 □-□_=> 00000	
Add Modify	OK Cancel	Device License
		Exit

5.16 Add device license

Select"00000", Click"OK", User"admin" have authorization to manage vehicles.

Device license set	×
<ul> <li>All Vehicle</li> <li>→ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●</li></ul>	
OK Cance	L

5.17 Select Device License settup vehicle

# 5.8 Stream media forwarding configuration

### Stream media forwarding configuraion

1. Open Stream media forwarding configuraion in CMS.

CMS Server Sy	sten Tanage	lent				
User Management	vehicle Manage	ment Gateway	Server S	treaming media server	Stream forwarding Alar	∢ ∢
Streaming media	a local	•		Vehicle equipment	Unallocated vehic 💌	
Forwarding list	t, the					
Vehicle name	Vehicle ID	Vehicle G		E-2 All group		
					失龙	
			<<			
			>>			
					Exi	٤

5.18 Forwarding lists

2. Select forwarded vehicles and related stream media server, double-click vehicle name or Click" and then define vehicles to related stream media server and forwarding.

C∎S	Server Sys	sten Lanage	ment			
Us	er Management	vehicle Manag	ement Gatewa	y Server S	Streaming media serve	r Stream forwarding Alar 4 🕨
s	treaming media	local	•		Vehicle equipment	Unallocated vehic 💌
F	orwarding list,	, the				
	Vehicle name	Vehicle TN 00000	Vebicle G 测试one		□-品 All group □-℃ 测试one □-℃ 系风雪	铁龙
				<u>&gt;&gt;</u>		
	<		>			
						Exit

5.19 Forwarding lists

Forwarding lists & changes in vehicles data

# **6** Client CMS

Client CMS runs in Windows2000/XP/Vista working platform. Talk-back between CMS & drivers, supply users with real-time surveillance, remote control and system management.

# 6.1 System introduction

#### 6.1.1 System introduction.

CMS clients can remote real-time video surveillance, GPS map, vehicel running track playback, talk-back, alarm linkage, remote video storage, remote download video, remote video playback, vehicle zoom management, device remote upgrade, etc.

# 6.1.2 System interface

CMS client interface mainly: view display, video.

- 🛅 Microsoft Web Publishing 🔸 🚺 Windows Catalog 🛅 腾讯软件 ٠ 🛅 金山词霸2010 Beta版 Windows Update ۲ 🛅 Vilware ۲ 设定程序访问和默认值 🛅 EasyPHP 3.0 . 🛅 迅雷软件 ٠ 强力卸载电脑上的软件 🛅 Microsoft Office . 360安全浏览器 3 📷 CMS System 🕨 🛅 Client 🔸 🔍 Manage Tool 🕨 📷 Server 🔸 🚥 Cms Client 🛅 Microsoft SQL Server Intenert Expleror 🛅 CommView ¥ ٠ 位置 PDF阅读器 🛅 RealVNC . 🛅 中国移动 Fetion ۶ 哈哈小游戏 🛅 LeapFTP 汉化版 ۶ 🛅 3D Home Architect ۶ 程序(P) \* 文档(2) . 设置(S) ۲ 搜索(C) ٠
- 1.Select "Cms Client" in procedure, click startup CMS clients.



Login	2
R	EST
Please enter a Vser Possmand	user name and server information
Center Server	127. 0. 0. 1
	Login Exit
	6.2 Login

2. Input user name(admin), NO password, Center server (Your Center server IP addr).

1 N	11-11
Please enter a	user name and server information
User	admin
User Password	admin

6.3 Input login data

3. Display client CMS interface

= GIS Client	E 2 🗵
: System Wew Setting Tool Help	
🔲 📄 📄 👞 Vehicles 🕂 Search 🖌 Map Wideo Map/Video Video/Map 🕐 Video/Map 🕐 Video/Map	
	] 🕞 🕞 Mode 🞯 - 🛋 🐄 🕨 - 🖄 -
	j 1 00000 - channel 1
	anno parterromane
	A State of the second
○ ● 00000 ● 天明の中の ● 大明の中の ● 大明の中の ● 大明の中の	
Trans a frank a frank g fran	GH242227. 62058, 11407. 20708
mt chanal 3 That are the second secon	2
京作[- ] 道家。」————————————————————————————————————	44
人 雪安汽车站 甲撑杆 田田 田林天地居 • 水木华直	00000 - chappel 2
	a course channel 2
「「「「「「「」」」「「「」」」「「」」」「「」」」「「」」」「「」」」	
第2回時 中時花回 2 田島G 新潟県 - 日前花回 2 田島G	
▲ 中山公園 路積銀代表 建柱面 中日市 光道学校————————————————————————————————————	
	00000 - channel 3
	-
PTZ Color 中国 ##1-X ## ##1-X ## ##1-2 ##12899 ##1289	57 St.
	5 5
Contraction of the Contraction o	4
1234	00000 - channel 4
Vehicle monitoring (Alarm Information ) System Event /	

6.4 client CMS interface

It includes: Google Map part, video part, menu part, tools part, vehicle inquiry part, PTZ control part and system data part.

Google Map part: In the mid of the system, mainly show position the vehicles located.

**Menu**: In the upside of the system, show mainly functions of the system.

**Tools:** In the upside of the map, It includes common operation in interface composition,etc;

vehicle inquiry: Fast inquiry from vehicle data, and can fix position;

System data: includes vehicle surveillance, alarm data, system issues.

PTZ control: Default condition show PTZ control, includes ptz & color setup.

#### Setting memory functions

When user exit, client CMS can save the setup have been modified, when login next time, the main system will enter the switched one automatic.

#### 0

# 6.2 Function operating

CMS client functions includes: vehicle inquiry , GPS fix position, video surveillance, viewing, setup and ,etc.

# 6.2.1 vehicle inquiry

Client CMS Vehicle lists blank will be updated.

#### In Manage Tool, do device lisence

Setup user operated vehicle info, Users can only operate authorized vehicle. When changing device lisence, should updata authorizing device lists. (User authorizing device, check 5.6)

#### **Device online condition**

Vehicle lists crunode, Green shows vehicle online, Gray shows vehicle not on line. When vehicle login, system update the vehicle condition automatic.



6.13 Device online

#### Vehicle select

Input key word of the vehicle name in the searching blank, pop the related vehicle lists

Selecting rules, Vehicle name storages the key word of searching.



6.14 Vehicle searching

#### Vehicle selecting

Select the related vehicles from the pop blank after searching, select the vehicle crunode in the following blank.



6.15 Vehicle select

# 6.2.2 GPS fix position

CMS client can do real-time surveillance and show position in the map.

#### Real-time surveillance

1. Select the vehicle to be controled in list, right click, start real-time monitoring.



6.16 real-time surveillance

2. Pop related inforamtion on vehicle "00000" in surveillance, includes vehicle ID, positioning time, longitude & latitude and vehicle status

Map	Vehicle	Positioning time	Longi tude	Latitude	Vehicle Status
$\checkmark$	00000	2010-07-26 11:06:04			Direction:North, Speed:0.0, Engine temperature:0.0, Temperature inside the vehicle:0.0, Equipm

#### 6.17 Vehicle data

3. Display the vehicle's fix position, shows green car & Plate num.



#### 6.1 8 Map display

1. Select the vehicle to be controled in list, right click

Map	Vehicle	Positioning time	Longi tude	Latitude	Vehicle Status						
	00000	2010-07-26 11:07:09			Direction:North, Speed:0.0, Engine temperature:0.0, Temperature inside the vehicle:0	O, Equipm					
					center vehicle						
					Cancel map dispaly						
					Stop real time monitoring						
					Clear real time monitoring						
					4						

6.18 Center map display

2. Select the Vehicle center display, as belowed:



6.19 Vehicle center display

7. Select the vehicles to be controled in surveillance interface, right click

Map	Vehicle	Positioning time	Longi tude	Latitude	Vehicle Status
V	00000	2010-07-26 11:09:10			Direction:North, Speed:0.0, Engine temperature:0.0, Temperature inside the vehicle:0.0, Equipm
					center vehicle
					Cancel map dispaly
					Stop real time monitoring
					Clear real time monitoring

6.20 Cancel map display

8. Select the Cancel map display, the green vehicle icon will disappear.



6.21 Cancel map display

9. Select the vehicles to be controled in surveillance interface, right click

Map	Vehi cl e	Positioning time	Longi tude	Latitude	Vehicle Sta	tus	
$\checkmark$	00000	2010-07-26 11:09:59			Direction:N	0	e:0.0, Temperature inside the vehicle:0.0, Equipm
						center vehicle	
						Cancel map dispaly	
						Stop real time monitoring	
						Clear real time monitoring	

6.22 Stop real-time mornitoring

10. Select Stop real-time mornitoring, it will be cleared the vehicle information in the vehicle surveillance.



6.23 Stop real-time mornitoring

# 6.2.3 Video surveillance

CMS clients can have surveillance to the vehicles video in the left list

1. When login, only display the online, with authorizing vehicles list, select video mode, as belowed:



6.24 video mode

#### Preview vehicles video

Pull the online vehicle channels to the video windows, and display the vehicle

■ CMS Client							
System View Setting Tool Help							
Vehicles 🗮 Search	<b>G</b> Map	Wideo Map	/Video Video/Map	ent 🧶 😼	000	Ful Screen	
			🗔 📾 Mode 🛍 -	·▲ @ ► -	× -		
- Q	1 0	0000 - chanr	nel 2			2	3
<ul> <li>○ · · · · · · · · · · · · · · · · · · ·</li></ul>							00000 - channel 3
t channel 4	4					5	6
			00000 - cha	nnel 4			
	7					8	9
PTZ Color							
	Hap	Vehicle	Positioning time	Longi tude	Latitude	Vahicle Status	
1234							
Cal     S 6 7 8     Set     9 10 11 12							
	4 >	Vehicle moni	itoring / Alarm information	) System Event	1	5	8

video. It will give related prompt info during the video preview.

6.25 Preview vehicles video

#### Video display mode

Select the displaying video, right click, select the display mode. Real good: real displa the vedio data, but not very fluent. Fluent good: System will storage a period of video first, and then display,

= CES Client		🗵 🖻 🔳
System View Setting Tool Help		
Vehicles 🛃 Search	🕼 Map 🗮 Video Map/Video Video/Map 🕕 Event 🛛 🧶 🎬 📩 🎲 🖾 🐘 🐉	
A =      A	E III III III III VAA MAAAAAAAAAAAAAAAAAA	
<u>v</u> q	1 00000 - channel 2 2	3
<ul> <li>응 값 All vehicles</li> <li>응 값 WinKet</li> <li>응 값 WinKet</li> <li>· · · · · · · · · · · · · · · · · · ·</li></ul>	A Decision of the second secon	00000 - channel 3 S
	Display Hode Vicel good	
	Zoon	
	1 Screen 0000 4 Screen	
	9 Screen	
	16 Screen Full Screen	
	7 8	9
DTT Color		
	Map Vehicle Positioning time Longitude Latitude Vehicle Status	
1234		
2 Set (5 6 7 8 )		
9 10 11 12 X Delete		
13 14 15 10	Vehicle monitoring / Alarm information ). System Event /	3

6.26 video display

Video display proportion

Full-screen display: full window display video

4:3: Video display proportion by 4:3

### 16:9: Video display proportion by 16:9.

- CMS Client								
System View Setting Tool Help								
Vehicles 🗮 Search	6 Map	Video Map/Video Video/Ma	) 🕕 Event 🥌 📲		Ful Screen			
		1 💷 🗔 🗔 👘 Mod		× -				
v Q	1 0	0000 - channel 2			2		3	
■ ▲ 11. vehicles       ● ● ● 示玩驚然       ● ● ● 示玩驚然       ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	4		Stop Freview Open Sound Start intercom Capture picture Frontrand capture		5		6	00000 - channel 3
thannel 4			Dignlay Made			ند ا		
		000	Zoon 1 Screen 9 Screen 16 Screen Full Screen	► Full Vin 16 : 9 ▼ 4 : 3	dow			
	7				8		9	
PT2 Color 😑	The second							
	Hap	Vehicle Positioning	tine Longitude	Latitude V	ehicle Status			
V Set 9 10 11 12								
13 14 15 16	4 >	Vehicle monitoring / Alarmi	nformation \ System Event	/		2		2

6.27 Video display proportion

Can also setup video parameter in the system setup.

System Settings	
-System parameters -	
Language	english 💙
-Video Parameters -	
Zoom	4:3
Display Mode	Real good
-Path parameter	
Video Download	C:\DOWNLOAD_RECORD\ Browse
-Map parameters	
Мар Туре	Google
Vehicles number	10
	Save

### 6.28 System settings

### Capture image

Capture images in video display



Select the diaplaying video, right click capture image. Click SAVE.

6.30 Capture picture

#### Real-time serveillance on Vehicle info

Pull the vehicles into the video display windows. Click right select the vehicle surveillance



6.31 vehicle surveillance

# 6.2.4 Menu functions

# 6.2.4.1 System

#### Exit system

When select exit system in the system menu, current applied procedure will closed exit.



6.32 System Exit

### 6.2.4.2 View

Display interface1 When select distribution 1 in menu as below:



6.33 Display interface 1

### Display interface 2 When select distribution 2 in menu as below:



6.32 Display interface 2

### Display interface 3 When select distribution 3 in menu as below:



6.33 Display interface 3

### Display interface 4 When select distribution 4 in menu as below:



6.34 Display distribution

Display vehicle list board When select vehicle list blank in menu as below:



6.35 Display vehicle list board

### Video searching and download board

When select Video searching and download board in menu viewing, as belowed:



6.36 Video searching and download board

#### Мар

When selecting the map in menu, as belowed:



6.37 Map

#### Video

When selecting the video in window, as belowed:

CLS Client			E. E. 🖾			
System View Setting Tool Help						
Vehicles 🗮 Search	🕼 Map 📰 Video Map/Video Video/Map 🕕 Event 😐 🐜 📩 🏟 🖾 🔅	Ful Screen				
Play Contorl	E 🗆 🗔 🗔 📾 Mode 📾 - 🖬 附 🕨 - 🆄 -		101			
Window 1 Not for video repl	1 00000 - channel 2	2	3			
IX Search and			00000 - channel 3			
Vehicle 00000	4	5	6			
Light and a capitor of the second s	00000 - channel 4	8	3			
	Time         Constant           10-07-05 14:441 [0]         Airan Server connection fulled, will not be able to receive alare information           10-07-05 14:441 [0]         Successful login control server					
<	Vehicle monitoring \ Alarm information \ System Event /	<				

6.38 Video

### Map/ Video

When selecting map/video, as belowed:



6.39 map/video,

### Video / Map

When selecting the video/map, as belowed:

- CLS Client					
System View Setting Tool Help					
Vehicles 🗮 Search	🕼 Map 📰 Video Map/Video Video/Map 🕕 Event	🖞 🏟 🖾 🔯 Ful Screen			
Play Contorl	E II	× -		↑ 地图	卫星 混合地图 -
Window 1 Not for video repl	1 00000 - channel 2	2	3	E\$2	
	A CALLER AND A CAL		00000 - channel 3		
Vehicle 00000	4	5	6	÷.	
送授年朝 Video Vshicle squipsent ♥ Video type General Video ♥ Search time 2010-7-26 ♥ 0.00 @ To 23:59 @ Search Replay Bowaload	00000 - channel 4				
Search List Video Download	7	8	9		
Status File Bown Siz					
	Time Content				
	10-07-25 14:44:19 Alar Server connection failed, vil 10-07-25 14:44:14 Successful login central server	I not be able to receive alarm information			南大西
<	Vehicle monitoring \ Alarm information \ System Event	4	>	CONSTRUCTION	ION-ME, Tele Atlas - (1971) & U

6.40 video/map

#### Issue

When selecting issues in the menu video, as belowed:



6.41 Time

# 6.2.4.3 Setting

### Video Polling setup

Video poli	ling setti	ngs			×
Video poli Preview Polling list	Ling setti Window1 t Passage	ngs V Type	Time	Polling       60       (15~300)         Preview Type       Secondery str v         ●       All vehicles         ●       All vehicles         ●       东风雪铁龙         ●       东风雪铁龙         ●       Channel1         ●       Channel1         ●       00000         ●       channel 1         ●       Channel 2         ●       channel 3         ●       channel 4	
<			>		

6.42 Video Polling setup

### Alarm linkage setup

Alarm Configuration			×
문 <mark>유 All vehicles</mark> 문 양 测试 one	Alarm Type	Custom alarm	
🚔 东风雪铁龙 🚔 00000	Linkage	Video Freview	
		Preview tunnel	
		Stream Type - Primary Stream 💉	
		Sound alarm	
		Sound files 🛛 🔡 Listened	
		Play times 0 (1-10)	
		Information Tips	
		Manual confirmation	
	Deployment settings	Start 15:05:39 🔷 To 15:05:39 🔷	
	Save	Save to multiple devices	

6.43 Alarm linkage setup

### System setup

For further info, pls check in 6.2.3

# 6.2.4.4 Log

### Alarm log

Select the alarm log in the menu bar log.

Alarm log User log					Σ
□ — 品 All vehicles □ • • • • • • 测试one → 小 东风雪铁龙 → ○ 00000	Alarm type Start End	All alarm 2010- 7-26 V 0:00 2010- 7-26 V 23:59	:00 🗘 :59 🛟 👰	1ery Map	▶ Display
	Vehicle	Time         -        <	Туре	Longi tude	Latitu
					Exit

6.44 Alarm log

Select the inquried vehicle in the list, the alarm type and start & end time, Click Query , then can find out all of the alarm data during the period.
og Alarm log User log						
□ <mark>器 All vehicles</mark> □*C: 测试one □*C: 测试one ○*C: 测试one ○*C: 测试one ○*C: 测试one ○*C: 00000	Alarm type Start End	All alarm 2010- 7-26  0:00 2010- 7-26  23:59	0:00 🗘	Quer	r <b>y</b> Map	▶ Display
	Vabiala	Time	Trme		Longitudo	Latita
	Vehicle 00000	2010-07-26 10:46:12	lype Vehicle	to	Longitude	Latitu
	00000	2010-07-26 11:07:36	Vehicle	COM		
	00000	2010-07-26 11:08:49	Vehicle	to		
	00000	2010-07-26 11:10:59	Vehicle	com		
	00000	2010-07-26 11:12:12	Vehicle	to		
	00000	2010-07-26 11:12:51	Vehicle	com		
	00000	2010-07-26 11:17:24	Vehicle	to		
	00000	2010-07-26 11:18:06	Vehicle	com		
	00000	2010-07-26 12:00:37	Vehicle	to		
	00000	2010-07-26 12:03:14	Vehicle	com		
	00000	2010-07-26 14:20:23	Vehicle	to		
	00000	2010-07-26 14:23:06	Vehicle	com		
	00000	2010-07-26 14:28:46	Vehicle	to		
	00000	2010-07-26 14:31:50	Vehicle	to		
	00000	2010-07-26 14:40:36	Vehicle	to		
	<					>
						Exit

6.45 Query results

## User log

Select the Select the User log in the menu.

g					
arm log User :	Log				
System user	All user		~		
Start	2010- 7-2	26 🔽 0:0	0:00 🛟		
End	<b>2010</b> - 7-2	26 🔽 23:5	9:59 🛟 🗌	Query	
Time	Vse	r	Туре	Content	
					Ruit

6.46 User log

Select the inquried user in the list, start & end time, Click Query, then can got all of the user login data.

arm log User l	og			
System user	All u	Iser	*	
Start	2010-	7-26 😽 0:00:00	*	
End	2010-	7-26 🖌 23:59:59	Query	
Time		lizer	Тире	
2010-07-26 091	24:30	admin	Login	Login directory server server (127
2010-07-26 09:	24:40	admin	Login	Login directory server server (127
2010-07-26 10:	01.20	admin	Login	User evits the directory server
2010-07-26 10:	01:31	admin	Login	Login directory server server (127
2010-07-26 10:	11.10	admin	Login	User exits the directory server
2010-07-26 10:	11.21	admin	Login	Login directory server server (127
2010-07-26 10:	11:31	admin	Login	Login directory server server (127
2010-07-26 10:	11:34	admin	User management	View user equipment permit modifica
2010-07-26 10:	30.57	admin	Stream forwardi	Streaming forwarding settings editor
2010-07-26 10:	31:27	admin	liser management	View user equipment permit modifica
2010-07-26 10:	31:57	admin	Login	User exits the directory server
2010-07-26 10	35:11	admin	Login	User exits the directory server
2010-07-26 10:	35:22	admin	Login	Login directory server server. (127
2010-07-26 12:	46:52	admin	Login	User exits the directory server
2010-07-26 13:	54:50	admin	Login	User exits the directory server
2010-07-26 13:	56:31	admin	Login	Login directory server server. (127
2010-07-26 14:	31:30	admin	Login	User exits the directory server
2010-07-26 14	32:05	admin	Login	Login directory server server. (127
2010-07-26 14	32.00	admin	Near monogement	Viaw uzar agninmant narmit modifica
<				>

6.47Query results

## 6.2.4.5 Help

## About

Select the about on the Help menu



## 6.48 About 关于

Enter related CMS client data, as belowed

关于 Ci	sClient	$\mathbf{X}$
	CmsClient 1.0 版 版权所有 (C) 2010	确定

