

MCMS User's Manual (for Windows XP/2003/Win7/Vista)

Document edition: V1.0

Edition suits for all IP cameras and digital video servers made in our company.

Preface

Thank You for Using our company's products.

Pro-CMS also named Center Management software which is designed to realize integrated surveillance, storage, management and control of all front-end equipments (including Digital Video Server, IP Camera, etc.). This management software can manage up to 1728 front-end network surveillance devices at the same time, performing set, control and remote upgrade functions to any of the equipments. It supports 1/4/9/16/25/36 displays in one screen, two-way intercom, electronic map, log retrieval, alarm controlling, long-distance retrieval and playback. Powerful functions, friendly interface, simple operation, all of them provide great advantages for users to realize networking application of large-scale and long-distance network surveillance.

Statement:

- Contents in this manual may be different from the edition that you are using. Should any
 unsolved problem occur given that the product is used according to this manual, please
 contact our technical support department or your product suppliers.
- The content of this manual may be updated at irregular intervals without prior notice.

Readership:

This manual is suitable for engineers as follow:

- System planning person
- Support and maintenance person
- Administrator
- User

Notes:

- "NVS" mentioned in this manual refers to front-end device(network camera or network video server).
- Device, encoder, front-end device mentioned in this manual refers to front-end encoder device(network camera or network video server).
- Click: Press the left mouse button once.
- Double-click: Press the left mouse button twice.
- "[]":Window name, menu name and data sheet.
- DVS: Digital Video Server

NVS: Network Video Server

IPC/ IP Camera : Network Camera

Modify record:

Recording the corresponding update, the latest document include all of the content in previous editions.

Modify date	Edition	Explanation

Table of Contents

1	Over	view		
	1.1 \$	Softwar	e Overview	6
	1.2]	Main Fu	unctions of the Software	6
2	Insta	ll Softv	vare	
	2.1	Softw	are Running Environment	7
	2.2	Softw	are Installation	
	2.3	Unin	stall Software	8
3	Oper		of MCMS	
	3.1	Login		9
		3.1.1	Main Interface	
		3.1.2	Image Display Window	
		3.1.3	Talkback/Broadcast	
		3.1.4	Grouping operation	
		3.1.5	PTZ Control	
		3.1.6	Set and recall preset position	
		3.1.7	Image Display Control	
		3.1.8	Function Buttons	
	3.2		P Camera	
	3.3	Local	Settings	
		3.3.1	Common Settings	
		3.3.2	User set	
		3.3.3	Record.	
		3.3.4	Record Schedule	
		3.3.5	Alarm Set	
		3.3.6	Running Mode	
		3.3.7 3.3.8	FTP Server Set map	
	3.4		Set map	
	3.5	-	Information & Emergency Control	
			0	
	3.6			
	3.7		d Searching/Play-back	
	3.8		evice Parameter	
4			h	
Αŗ	pendi	ix Def	fault Parameters of Encoder	

1 Overview

1.1 Software Overview

Central Management Software is designed to realize integrated surveillance, storage, management and control of all front-end equipments (including Digital Video Server, Digital Storage Video Server, IP Camera, etc.). This management software can manage up to 1728 front-end network surveillance devices at the same time, performing setup, control and remote upgrade functions to any of the equipments. It supports 1/4/9/16/25/36 displays in one screen, two-way intercom, electronic map, log retrieval, alarm controlling, long-distance retrieval and playback. Powerful function, friendly interface, simple operation, all of them provide great advantages for users to realize networking application of large-scale and long-distance network surveillance.

1.2 Main Functions of the Software

- Manage 1728 channels of audio and video simultaneously (48 groups)
- Central Management Software can manage all front-end equipments (including DVS, IP Camera and so on) to realize integrated surveillance, storage, management and control.
- Electronic- map function
- Image Preview, Surveillance alternation
- Audio volume can be manually adjusted
- Audio talkback and broadcast
- Image recording (pre-recording, manual recording, alarm linkage recording and record schedule)
- Retrieval and playback of records according to channel and date

◆ PTZ control (Support over 40 kinds of decoder protocols), Preset, Recall , Track Recall.

- Supports video loss, video motion, abnormal network interruption and front-end detector triggered alarm.
- Log management (Supports system operation records and alarm records query)
- Front-end & back-end snapping
- Passive Connection Mode (DVS Active Connection Mode)

2 Install Software

2.1 Software Running Environment

Operation system

◆ 32-bit and 64-bit Simplified Chinese & English editions of Windows2000, Windows2003, Windows XP, Win7, Windows Vista, Windows 7,etc.

Recommended configuration of hardware environment

- ♦CPU: Pentium 2.6Mhz
- System Memory:512MB
- Graphics Card:Nvidia Geforce FX5200 or ATI RADEON 7000(9000) series 128M Display Card Memory (Graphics Card needs to be hardware scaling supportive)
- Sound Card: necessary for audio surveillance and talkback
- ♦ Hard Disk: minimum 40G capacity required for image recording.

Software Environment

- DirectX8.0 version or above
- ♦TCP / IP

Definition supported

♦ Adaptive resolution equal or greater than 1024*768

System Requirement

◆ The PC installed with this software requires a graphics card that supports the color change and zoom of image, now the graphics card that has been tested are: Nvidia Tnt/Tnt2、 Geforce Mx200/400/420/440 Fx5200/5600 series, ATI Radeon 7000/7200/7500/8500/9000/9200/9500/9600 series, MatroxG450/550 and INTEL845G/865G series. Please note that the graphics card driver must be hardware scaling supportive.

2.2 Software Installation

Find the setup file of digital surveillance central management software named Pro-CMS.exe and double-click it, a window appears as follow:

Select Language	English	-	
Derect Paulage	Jangeran		
	OK		

Follow the instruction, click "Next" or "OK" icon until the following window:

🛃 mCMS 3.3.0.17 Installatio	n 🕒 💷 🗾
	Welcome to the mCMS Setup Wizard This wizard will guide you through the installation of mCMS. It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer. Click Next to continue.
	Next > Cancel

Figure 2

Click "Install" and finish the installation. The default path is C:\Program Files\MCMS\MCMS.

2.3 Uninstall Software

There are two ways to uninstall the software at user's end:

- Start"→"All Program"→" MCMS "→"Uninstall".
- Open "Control Panel", choose "Add/Del Programme", delete "MCMS" from the programme list.



Figure 5

3 Operation of MCMS

3.1 Login



Click **Mems** to start the program, the initial user name is admin and password is blank.

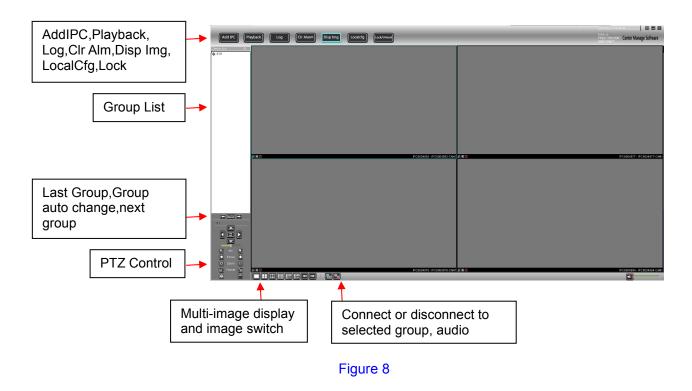
System detects that the password of the administrator "admin" is blank as the program starts, the main interface appears. The password can be changed via this route: Local Setting->Common Setting->Local User Administration.

If a password has been set for "admin", user login window will pop up as follow:

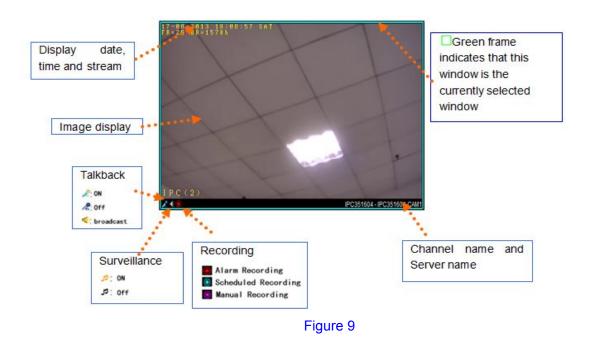
	Username:	admin	
-0	Password:	12	
	Fassword.	10	Save
	ОК	Can	icel

Enter user name and password into the login window, click [OK], the main interface of MCMS will appear.

3.1.1 Main Interface



3.1.2 Image Display Window

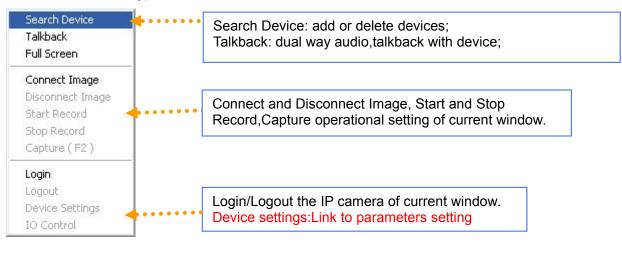


Double-click display window, the selected window will be magnified. Double-click again to return to normal mode.

Right click display window, a menu appears as follow (the modes of menus can be different as the

10

mode of windows vary):





3.1.3 Talkback/Broadcast

Select a window, click right button and choose "talkback", a window will pop up as follow:

Group ID 01	Grou	p name	•				Talkback
Device name	URL	Port	<u> </u>	- Broadcast include D Sampling Ra		Audio C	coder G711A 💌
			=	Broadcast	Device name	URL	Port
				Add Device >>			
				Add group >>			
				Add all >>			
				Delete Device			
				Delete all			
			-			-	

Figure 12

You can select IP camera then perform talkback or select multi-DVS to start broadcasting. There are three types of Sampling Rate are optional: G726, G711A, G711U; three audio coder are Optional: 32000,16000,8000.

3.1.4 Grouping operation

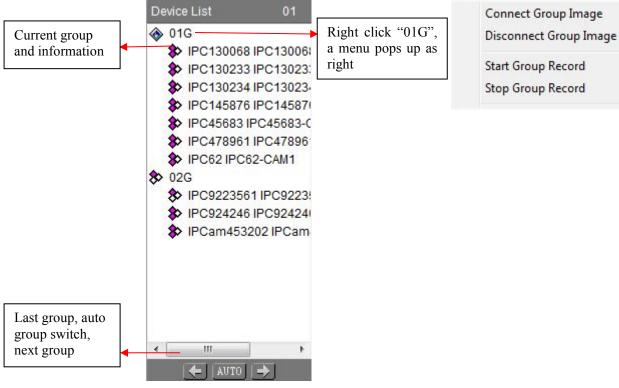


Figure 14

3.1.5 PTZ Control

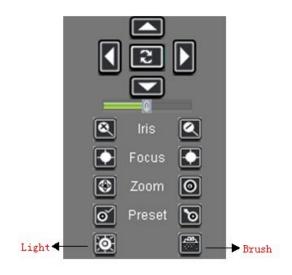
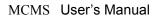


Figure 15



3.1.6 Set and recall preset position

1、Set preset position

Select correct channel and press button, a window pops up as follow:

Preset		×
Preset position	1]
Name]
ОК	Cancel	
Fig	ure 16	

Choose the preset point and set its name, press "OK".

2、Recall preset position

Press button, a window pops up as follow:

reset:	1 🖌 🖌	Name or	ne	~
rack:	▼	Apply to	all channels	Reca
Track	Mode			
rder	Preset position	Name	Stay time	
				Add
				Delet
				_
				Set

Figure 17

Recall mode:

- (1) **Recall by preset point:** choose preset point number or its name, press "OK", the preset scene can be recalled.
- (2) Recall by track mode: Choose the serial No. of track, press OK.

Set Track Mode:

- (1) Choose the serial No. of the track, press "Add" button. See the following picture:
- (2)

Preset position No.	1	
Name	one	*
Otoutine	1	
Stay time		S

Figure 18

Add the preset position of the track, set stay duration of the preset position (1~120000s).Then press "OK".

(2) Choose the serial No. and preset position of the track, press "Add" button. See the following picture:

ld Preset Position			
Preset position No.	1		
Name	one	~	
Stay time	1		S
Cancel		OK	

Figure 19

Fill in preset point or choose its name, set stay duration (1~120000s). Then press "OK".

(3) Choose the serial No. and preset position of the track, press "Delete" button to delete the preset position.

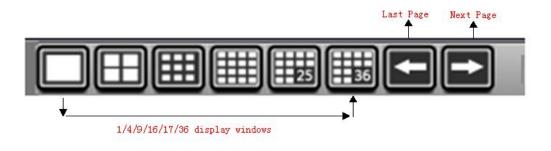




(1)If the device of PTZ control is high speed megapixel dome, the operation of preset and recall point can be done in dome control;

(2)The function of dome control is the same as IE interface's, you can read the corresponding instruction book to get more details.

3.1.7 Image Display Control





[Page Up and Page Down]: is for the scrolling display of current page (invalid for 36 Image Mode).

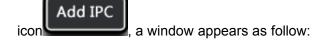
3.1.8 Function Buttons

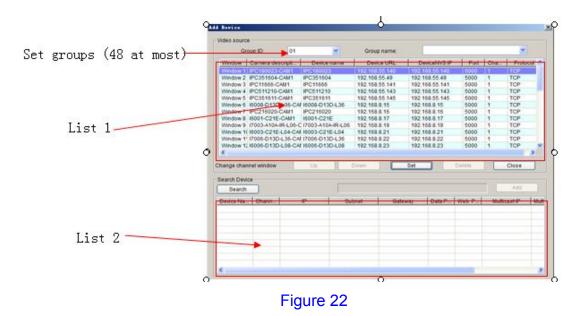


[Image Display Switch]: this button controls the display of images on the screen, it is usually used when the CPU configuration is low and PC decoding cannot meet requirement or on the condition that only recording is needed.

3.2 Add IP Camera

Right click on the image window and select [Windows Assign] or click [Windows Assign]





[Search]: Click this icon, it search out all of the DVSs and corresponding information on the network and display them in list 2.

[Add]: Click this icon to add DVS in list 2 to list 1.

Select one entry from list 2, click "Add" or double click it to add it into list 1.

■ in list 2 indicates all channels of the DVS are added, ■ indicates only some channels of the DVS are added, white color indicates no channel is added.

[Sequencing]: click at the header of list 2 to sort the entries in ascending or descending order. To sort by "DVS Name", click the "DVS Name" header.

The following functions: "Up", "Down", "Delete" and "Setup" are for the operation of the channels selected in list 1."Up" and "Down" can change the number of the window that is linked with DVS channels.

[Down]: Decrease the number of DVS channel window. This function is disabled when the selected DVS channel is linked to its adjacent channels.

[Up]: increase the number of DVS channel window. This function is disabled when the selected DVS channel is linked to its adjacent channels.

[Delete]: This function is disabled when the selected DVS channel is connected or logged in.

[Set]: Pitch on the window to be set, double click or click "Set" button, the window setting interface will pop up as follow:

Group ID: 01 Window: 05		
User name	admin	**
Password	****	**
Device name	IPC351611]
Device URL	192.168.55.145]
Communication port	5000]
Protocol	ТСР]
Channel	1	
Camera description	IPC351611-CAM1]
Encoder Stream	Alternate stream 💙]
Record Stream	Preferred Stream]
Default	OK Cancel	

Figure 23

[User name]: The DVS users that are connected.

[Password]: The password of the connected DVS.

[Device's Name]: The name of the DVS connected, it is a unique identifier in the same domain, which is to be the identifying mark when transmitting data. Repetition should be avoided while setting it up. For different channel window in one DVS, server's Name, login user's name and password ought to be completely the same.

[Derver URL]: IP address or domain of the DVS connected.

[Communication Port]: Data port of the DVS connected, default value is 5000.

[Protocol]: Network communication protocol - TCP, UDP or Multicast.

- [Channel]: It is to show which channel is connected to current window. Channel number begins from 1, for four- channel DVS, the number is from 1~4.
- [Camera Description]: Description of the camera connected to DVS channels, which is displayed in the status bar. It can be input by users.

[Encoder Stream]:Set liveview encoder stream.

[Recoder Stream]: Set recoder stream.

(1), For different windows on one DVS, the server name should be different, while user's name and password should be the same.

(2)、 Above information can not be changed if video has been connected or channel has been logged in.

3.3 Local Settings

Click on the "Local Config" button



, the local settings interface will pop up as

follow:

Decode parameters	me 💙	Frames 5
Others		
Auto-login device af	ter program runnir	ng
Auto connect image		
Auto reconnect times		▼
Synchronized the de	vice clock which a	Iready logined with PC's
Snapshot,pop-up di	alog	
Single screen Auton	natic switches Pref	erred Stream, multi-screen switch
Disable hot key(If ch		
Electronic map show		(The computer equipped with dual display cards)
video window style(lispiay status par)	

Figure 24

There are ten functions in this interface, which are [Config], [User set], [Record], [Alarm set], [Running Mode], [FTP Server], [Set Map].

3.3.1 Common Settings

See below picture for the interface of "Common Settings":

Decode paramet	ers Real-time 💙	Frames 5	
Others	Real-ume		
Auto-login de	vice after program runn	ning	
Auto connect	image while program ru	unning	
Auto reconnect t	mes	✓	
Synchronized	the device clock which	n already logined with PC's	
Snapshot,po	o-up dialog		
Single screer	Automatic switches Pre	referred Stream, multi-screen switch	
Disable hot k	ey(If changed, must rest	start this soft)	
Electronic ma	p shows at other monitor	tor (The computer equipped with dual display cards)	
video window	style(display status bar	ar)	
Version:	2.0.1.8		

Figure 25

[Select Preview Mode]: Real-time Priority : no buffering; Fluency Priority : buffering improves fluency. Frame Buffer: set buffer frame rate.

[Auto-login Device after program starts]: When the program starts, whether it logs in the DVS groups automatically or not.

[Auto-connecting image after program starts]: When the program starts, whether it connects the image groups automatically or not.

[Auto-connection Times]: Enable or disable auto-connection, set times of auto-connection when images are blocked abruptly. There are six options: 0,25,50,75,100, unlimited.

[Synchronized the Device' clock which already logined with PC's]:Make the Device' clock Synchronized with PC's which already logined

[Snapshot,pop-up dialog]: Enable or disable reminder window pop-up when snapping;

[Single Screen Automatic swithing Mian atream]: Single Screen Automatic swithing Mian stream, multi- screen Automatic swithing alternate stream.

[Disable hotkey]: Shortcut keys for screening programs, this parameter can only take effect after restarting the software;

[Electronic E-map shows at another monitor]: To display E-map on another monitor or not, this function requires dual graphics cards;

[Video windows style]:Display status bar or not.

[Version]: Display the Version of the current Xcenter software.

3.3.2 User set

See below picture for the interface of "User Set":

ID	Username	Privilege		
1	admin	Admin		
2	usr1	User		
3		User		
4		User		
5		User		
5		User		
7		User		
В		User		
9		User		
10		User		
11		User		
12		User		
13		User		
14		User		
15		User		
_] AL	ito logging in as t	he user 2 when :	start the program.	

Figure 26

[Local User]: Set the users of this software, altogether there are 20 operation users, the first one is administrator and others are operators.



1、Administrator has the ownership right.

2. Administrator can change the operator's permission of function node, add or delete operators. But it can't change the user name and password of operators. Operators can only change user name and password of its own.

3、 If "Auto log in system as user 2" is checked, system starts with operator 2 logged in.

3.3.3 Record

See below picture for the interface of "Record ":

ommon settings User set Record Alarm set	Running mode PTZ protocol COM Control FTP Server S
File directory d:\cmsrec	10 Minute Overwrite operation Overwrite old files when disk is full obligate space 1 GB Prerecord
Add Delete	Timer Record Set Timer Record
Capture image save path Harddisk \cmsrec\Date\NVS-IP(Port)\NVS-Name\Chan	nel\

Figure 27

[Add]: Add "User Specified Directory" to "Directory List".

[Delete]: Delete "User Specified Directory" from the "Directory" list, if there are record files under the directory, it can not be deleted.

[$\sqrt{}$]: It will take effect after being checked. Only one user specified directory under one disk partition can be checked.

[Snapped image save to]: images storage path:

User specified directory\cmsrec\Date\\NVS-IP\Port\NVS-Name\Channel\

[Record files packing interval]: Set the packing interval of files in minutes.

[Overwrite operation]: Enable or disable old file auto-deletion function. The clear function will be started to delete the files in home directory when the remain space less than the obligate space plus 6G. First delete the files of the earliest date, if the space is less than "obligate space"*2 plus 6G, then delete the files of the earliest date but one, then go on like this if necessary. If the record files are taken on the current date, then first delete the files of the earliest hour. But files of the current hour cannot be deleted, if the disk gets full in one hour, the device will stop recording and snapping. After the one-hour session ends, system will delete the files of the hour and continue to record and snap. Obligate space default and recommended is 1G.

[Start Pre-Record]: Enable or disable alarm pre-recording and duration of pre-recording.

3.3.4 Record Schedule

See below	picture	for the	e interface	of "Set	Timer I	Record	":
-----------	---------	---------	-------------	---------	---------	--------	----

Channel		Ca	mera	a title	в			C	evice	nam	e			Add	ress					Port			
1		IPC	351	801	-CAI	vl1		IF	C351	801				192	168.	55.4	7		1	5000))). 		
1		IPC	351	604-	-CAN	11		IF	C351	604				192.	168.	55.5	D		1	5000			
1		IPC11669-CAM1		IF	IPC11669					192.168.55.140				1	5000								
1		IPC	116	66-C	CAM	1		IF	C116	66				192.168.55.141				1	5000				
1		IPC	351	611-	CAN	11		IF	C351	611				192.	168.	55.1	45		1	5000			
			le re	cord	1																		
Time Setti	ings		le re 2 3			6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Time Setti	ings 0					6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Time Setti	ings 0					6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Time Setti Everyday Sun.	ings 0					6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Time Setti Everyday Sun. Mon. Tue.	ings 0					6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Everyday Sun. Mon.	ings 0					6	7	8 9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
Time Setti Everyday Sun. Mon. Tue.	ings 0					6	7	8 9	10		12	13	14	15	16	17	18	19	20	21	22	23	



Record Schedule setting is to set the recording time for every window, whether it is necessary to record each hour in every 24 hours. To record, select [R]. If [Same record schedule for all DVS channels] is selected, then the record schedule of every channel is the same.

[Start record schedule]: enable or disable record schedule. Only when this option is enabled, the channel record schedule can be effective.

Note:

color means record schedule has been set for the channel.

3.3.5 Alarm Set

See below picture for the interface of "Alarm Set ":

nmon settings User set	Record	Alarm set	Running mod	e PTZ protoc	col COM Contro	I FTP Server	S
Option							
Open map when al	arm		🗹 Ala	m Record	60	s	
			Auc	lio <mark>Ala</mark> rm	10	s	
opup alarm window					k		
Show alarm message w	ithout vic	leo					
Connect error		Video	motion alarm	1	Video losing a	alarm	
Sensor alarm		🗌 Gps a	larm				
elect alarm sound file							
Connect error	C:\/	Program Fil	es (x86)\MCMS	MCMS 3.3.0.2	\dvr_data\alarr	Test sound	t
Video motion	C:W	Program Fil	es (x86)\MCMS	MCMS 3.3.0.2	\dvr_data\alarr	Test sound	i
Video losing	C:\/	^P rogram Fil	es (x86)\MCMS	MCMS 3.3.0.2	\dvr_data\alarr	Test sound	1
Sensor alarm	C:\	Program Fil	es (x86)\MCMS	MCMS 3.3.0.2	\dvr_data\alarr	Test sound	ł
			Sa	/e			



Setting what events can trigger the alarm window. The events include network interruption, video

motion alarm, video loss, front-end sensor alarm, GPS alarm and so on.

[Open map when alarm]: Enable or disable E-map pop-up when alarming;

[Alarm Recording]: Enable or disable local PC alarm recording and duration of alarm recording.

[Audio Alarm]: Enable or disable audio alarm and the duration of audio alarm. When there is alarm, the PC audio card will output alarm sound.

[Popup Alarm Window]: If "show alarm message only in alarm window" is chosen, video and

emergency control function will not be displayed in the window.

[Select Alarm Sound File]: Users can select local sound file, but the file must be in wav format. When alarm occurs, the surveillance center will make a correlative sound.

ATTENTION: Only after setting the corresponding alarm type, alarm

message can be displayed when the alarm event occurs.

3.3.6 Running Mode

See below picture for the interface of "Running Mode":

MCMS User's Manual

Local Setting	×
Common settings User set Record Alarm set Runnin	ng mode FTP Server Set Map
Running mode select	
Positive mode	O Passive mode
Parameters of passive connection mode	
Server port	6000
Verify Device User	
Device User Name	admin
Device User Password	*****
S	ave

Figure 30

[Active Connection Mode]: The surveillance central actively searches for or manually adds DVS network information.

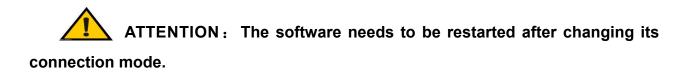
[Passive Connection Mode]: DVS actively register network information into surveillance central.

The usage of the two modes:

[Active Connection Mode] applies to most network.

[Passive Connection Mode] applies to wireless network or single small surveillance network. For example: DVS transmits data via CDMA and GPRS. When users adopts active mode to connect mobile IP, the GPRS/CDMA gateway refuses or restricts outside visiting, so Passive Connection Mode must be adopted at this time to transmit network information and data to surveillance center.

When surveillance center adopts Passive Connection Mode, please set its service port to determine whether to validate DVS user or not. Besides, the settings of front-end DVS that is connected to the center must be in line with the above to ensure successful registration.



24



3.3.7 FTP Server

See below picture for the setting interface of "FTP server":

Local Setting Common settings User set Record Alarm s FTP User User Pwd root root	Set Running mode FTP Server Set Map
Start Server	Stop Server Save

Figure 31

Users can upload the files obtained by scheduled snapshot, recording, alarm snapshot and recording to FTP server via starting this FTP server.

[FTP User]: Set user name and password of FTP server.

[FTP Port]: Port of FTP server, the default port is 21.

[FTP Path]: The path of FTP server, if the path does not exist, the device will create a directory automatically.

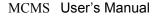
[Start Server]: Start the server function of FTP.

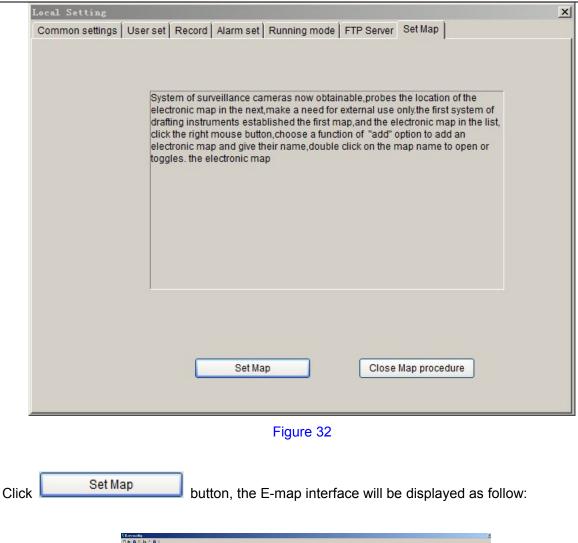
[Stop Server]: Close the server function of FTP.

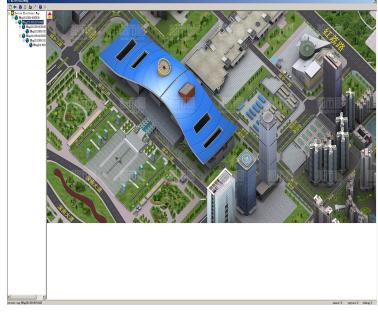
[Save Settings]: Save the FTP server parameters after alteration.

3.3.8 Set map

See below picture for the setting interface of "Set map":









Mark the position of every camera and sensor on the E-map, then it will be clear at a glance. First a planar map should be built with the drawing, then right click on the list of E-map, select "add" to complete E-map adding and name it, double-click the map name to open or switch E-map.

26

Having finished adding E-map, cameras and sensors can be established in it. Switch to corresponding window by clicking the camera in the E-map. Select camera or sensor, click caption button, a window appears as below:

nera		1
• 01Group 192.168.55.47 IPC351801 192.168.55.50 IPC351604 192.168.55.140 IPC11669 192.168.55.141 IPC11666 192.168.55.145 IPC351611	Alarm device parameter v exist devide only type Camera address 192.168.55.47 name IPC351801 channel 1 describe IPC351801-CAM1 OK Cancel	

Figure 34

Set the serial numbers of cameras and sensors on the corresponded DVS and the name of the DVS.

After established the E-map, when there is an alarm, the E-map will pop up automatically (check the "Display E-map when alarm occurs" box in "Local Settings"), flashing of corresponding cameras or sensors indicates an alarm if cameras and sensors are marked out in the E-map.

3.4 Log

Click [Log] button , the log inquiry interface will pop up as follow:

Review log × Search condition 2013-08-19 💙 То 2013-08-19 💙 Туре Operation Log × Search Time Date Time User Content 2013-08-19 10:44:00 admin admin Lo 2013-08-19 11:02:03 admin Local Se 2013-08-19 11:32:13 admin Local Se admin Login Local Settings: Set Other Parameters Local Settings: Set User < >

Figure 36

Choose time range of inquiry at first ,then choose the type (Operation log, alarm log), then click [Search] button, the log of the corresponding time will be displayed in the list.

3.5 Alarm Information & Emergency Control

When DVS has alarm inputting, system will determine whether or not to display the alarm message and alarm type according to the "alarm settings" in "Config".

See below picture for the first type of alarm window:

larn													
192.10 192.10 192.10	68.55 68.55 68.55	5.50(5.50(5.50(5000) 5000) 5000)	IPC38 IPC38 IPC38	51604 51604 51604	: (20 : (20 : (20	13-08-1	9 15: 9 15: 9 15:	58:28) 58:36) 58:39)) No.) No.) No.	1motio 1Motior 1motio	n alarm n Alarm n alarm	disappea disappea
1001 1012		1000					13-08-1 13-08-1		10 A A A A A A A A A A A A A A A A A A A				disappea
	[Delet	e One)			Clear	All				Close	



[Delete One]: Delete the warning information selected.

[Clear All]: Delete all alarm messages in the list of "Alarm message".

See below picture for the second type of alarm window:

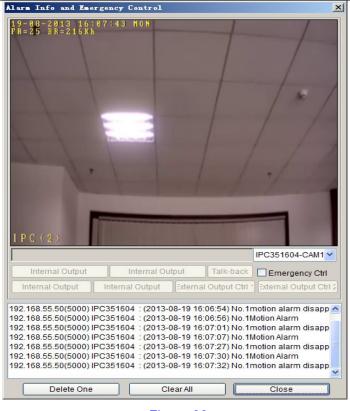


Figure 38

ATTENTION: Only after Xcenter System log in DVS, can all different kinds of warning information be sent to the control center of Xcenter.

[Emergency Control]: DVS output control switch takes effect after this option is checked. Start/Stop front peripheral connected to DVS through [Output Control 1] or [Output Control 2] to achieve the objective of emergency control (Such as Light, Entrance Guard).

Video can be previewed real-time and emergency control can be implemented by double-click certain row of the alarm information list.

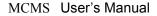
[Delete One]: Delete the warning information selected.

[Clear All]: Delete all information in the list.

3.6 Lock



Click [Lock] icon system will be locked up, you will be asked to input user's name and password, you can not do any operation until the user's name and password are correctly entered.



Username	admin
Password	

3.7 Record Searching/Play-back

Click [Searching Playback] button [Playback], the "searching playback interface" appears as below:

		🌣 🗐 _ ×
		Encoder OPC Operate
		11(192.168.55.157)
		Channel Date
		1 2014-05-21 >> Time 00:00 23:59 Type
		Type All Record
		Channel File
00.00.00 0	00.00.00	_+_
		(a)

Figure 40

In this interface, you can search record files and images snapped:

Multi-screen can be selected to play at the same time, when there are several record files in the list, the records will be played in order until all files are played.





00:00:00 0 🍺 🕨 🔳 📢 🍽 🕨 🖅 🗐 🕉	00:00:00
Function: Open, Play, Pause, Stop, backward, forward, Single Frame-backward, Single Frame-forward, Recycle, Capture, Video Splitter	
Figure 41	

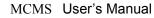
[Video Splitter]: click "video splitter" button to start to split video that is playing, click it again and save the file, then the video can only be played via "Open With".

[Config]: click 🔅 , the interface will pop up as follow:

The default displa	ay playlists
ilesave to	
D: 💌	

Figure 42

[Add device]:click , the interface will pop up as follow:



Device IP	Data port	Device name	User name	
192.168.55.47	5000	IPC351801	admin	Ea
192.168.55.50	5000	IPC351604	admin	
192.168.55.140	5000	IPC11669	admin	
192.168.55.141	5000	IPC11666	admin	Add
192.168.55.145	5000	IPC351611	admin	
192.168.55.236	5000	IPC189712	admin	
Dev	ice parameters		×	Delete
	_	In passion i		
	Device name	PC351604		Modify
	Device URL	192.168.55.50		
	Data port	5000		
	User name	admin		
	Password	******		
	Default	Save	Cancel	
arch device				
		Device areas	User name	<i>></i>
Device IP	Data port	Device name		
Device IP 192.168.55.236	5000	IPC189712	admin	
192.168.55.236	5000	IPC189712	admin admin	Search
192.168.55.236 192.168.55.50 192.168.55.47	5000 5000 5000	IPC189712 IPC351604 IPC351801	admin admin admin	Search
192.168.55.236 192.168.55.50	5000 5000	IPC189712 IPC351604	admin admin	Search
192, 168, 55, 236 192, 168, 55, 50 192, 168, 55, 47 192, 168, 55, 135	5000 5000 5000 5000	IPC189712 IPC351604 IPC351801 IPC210069	admin admin admin admin	
192.168.55.236 192.168.55.50 192.168.55.47 192.168.55.135 192.168.55.140	5000 5000 5000 5000 5000 5000	IPC189712 IPC351604 IPC351801 IPC210069 IPC11669	admin admin admin admin admin	Search
192.168.55.236 192.168.55.50 192.168.55.47 192.168.55.135 192.168.55.140 192.168.55.141 192.168.55.45	5000 5000 5000 5000 5000 5000 5000 500	IPC189712 IPC351604 IPC351801 IPC210069 IPC11669 IPC11666 IPC351844	admin admin admin admin admin admin admin	
192.168.55.236 192.168.55.50 192.168.55.47 192.168.55.135 192.168.55.140 192.168.55.141	5000 5000 5000 5000 5000 5000	IPC189712 IPC351604 IPC351801 IPC210069 IPC11669 IPC11666	admin admin admin admin admin admin	

Figure 43

You can add, modify, delete server address, it is necessary to input "Server address" and "Port", "Server name" can be blank, username and password are the same as login the device's username and password.

Download Record Files

Select a record file in the list, click, the interface will pop up the menu as follow:

URL	Time	File size	Status	Save Path
192. 168. 55. 50	2013-08-19 10_23_34-10_28_38	4.29M	downloadi	C:\MyIPCam\2013-08-19\download\192.168.55.50(5000)\1\1
<]				<u>ا</u>
ownload record		120		C:\MyIPCam\2013-08-19\Download\192.168.55.50\1\1
	351604 (192. 168. 55. 50) V Chn.	-	_	
Time 201	3-08-19 🤹 10:23:34 🤹 To	10:28:38 👙		Start Stop

Click[Start], the downloaded file will be storage under the directory you selected.

32

3.8 Set Device Parameter

Select a window, right click on the image window, select [Device Setup], an interface will pop up as follow:

Video detrings Decice Name BCD Network settings Volkandard FAL Sorage Settings Language Foldith Atarm Settings Language Device 10 ODM Setting Device 10 100	Video settings Device Name (PCD) Network Settings Device Name (PCD) Storage Settings VO Standard (PLL) Atam Settings Language (Politik) Odd Setting Device ID System Version (ED (SS)) System Time System Time User Namage * ModRying the device language, please dose the browser to login. USgapoin * PT2Loggape *	Video Settings Device Name PCO Network Settings Device Name PCO Sorrage Settings VO Standard P4. Attarn Settings Language [Pdith] Objecting Settings Device ID Sortamint Version 100 System Time System Time User Manage * ModRying the device language, please dose the browser to login. VEgode * Pitz Logisco *	Audio Settings	System	
Network Retaining Device Retaining Sterage Settings VOS Stander MAL Atam Settings Language (ngluin) Cold Setting Device ID Objecting Device ID System Version System Version User Manage * ModRying the device language, please close the browser to login. Ubgode * Piz Loginade * Resolt *	Network Rame BOD Sterage Settings VO Stander Atting Settings Language (Toplut) Atting Settings Language (Toplut) ODM Setting Device (Toplut) System Version (Toplut) System Toplut VED version (Toplut) UsarMange * Modifying the device language, please dose the browser to login. Upgrade * Pizzograde * Resolt Settings	Network Retaining Device Retaining Sterage Settings VOS Stander MAL Atam Settings Language (ngluin) Cold Setting Device ID Objecting Device ID System Version System Version User Manage * ModRying the device language, please close the browser to login. Ubgode * Piz Loginade * Resolt *		5731511	
Storage Stora	Storage Stora	Storage Stora		Device Name IPCO	
Alarm definings Language Option COM Setting Device to Diversion System Time 0.00000000000000000000000000000000000	Alarm definings Language Option COM Setting Device to Diversion System Time 0.00000000000000000000000000000000000	Alarm definings Language Option COM Setting Device to Diversion System Time 0.00000000000000000000000000000000000		VO Standard P4L	
COM Setting Device 10 Version 10:01 Version 10:01 System VEB Version System VEB Version User Manage * Modifying the device language, please dose the browser to login. Upgrade * PTZUggrade *	COM Setting Device 10 Version 10:01 Version 10:01 System VEB Version System VEB Version User Manage * Modifying the device language, please dose the browser to login. Upgrade * PTZUggrade *	COM Setting Device 10 Version 10:01 Version 10:01 System VEB Version System VEB Version User Manage * Modifying the device language, please dose the browser to login. Upgrade * PTZUggrade *		Language English	
WEB Version WEB Version System Line Save User Manage * Modifying the device language, please close the browser to login. Upgrade PT2 Upgrade Resolut Resolut	WEB Version WEB Version System Line Save User Manage * Modifying the device language, please close the browser to login. Upgrade PT2 Upgrade Resolut Resolut	WEB Version WEB Version System Line Save User Manage * Modifying the device language, please close the browser to login. Upgrade PT2 Upgrade Resolut Resolut			
System Time Save User Many * Modifying the device language, please dose the browser to logn. Upgable P1Z Upgable Restur Resout	System Time Save User Many * Modifying the device language, please dose the browser to logn. Upgable P1Z Upgable Restur Resout	System Time Save User Many * Modifying the device language, please dose the browser to logn. Upgable P1Z Upgable Restur Resout	System		
UterNampage * Modifying the device language, please dose the browser to login. Upgrade PT2 (populae Rester - Rester - Re	UterNampage * Modifying the device language, please dose the browser to login. Upgrade PT2 (populae Rester - Rester - Re	UterNampage * Modifying the device language, please dose the browser to login. Upgrade PT2 (populae Rester - Rester - Re	 System Info 	WEB Version 6.1.0.115	
Upgrade PTZ Upgrade Reatore Rebot	Upgrade PTZ Upgrade Reatore Rebot	Upgrade PTZ Upgrade Reatore Rebot	System Time	Save	
PT2 Upgade Restore Resolut	PT2 Upgade Restore Resolut	PT2 Upgade Restore Resolut	User Manage		
Ratora Rebot	Ratora Rebot	Ratora Rebot	Upgrade		
Rebot	Rebot	Rebot	PTZ Upgrade		
			Restore		
System Log	System Log	System Log	Reboot		
			System Log		

Figure 45

The use of the equipment parameter Settings, please refer to the document "network cameras use manual".

4 DeviceSearch

In the start menu, select the "program" - > "MCMS - DeviceSearch", an interface will pop up as follow:

evice Name	Device Model	Channel Total	IP Address	Subnet Mask	Gateway	Data Port	Web Port	Multicast IP	Mu
1111111111111	1 IPCam CMOS Video Encoder*	1	192.168.55.77	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
bcdefg	IPCam CMOS Video Encoder*	1	192.168.55.47	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
PC1000	HD Camcorder	1	192.168.1.42	255.255.255.0	192.168.1.1	5000	80	239.0.0.0	50
PC112501	IPCam CMOS Video Encoder*	1	192.168.33.43	255.255.255.0	192.168.33.1	5000	80	239.0.0.0	50
PC119990650	IPCam CMOS Video Encoder*	1	192.168.33.45	255.255.255.0	192.168.33.1	5000	80	239.0.0.0	50
PC12222	Ohter model	1	192.168.55.130	255.255.255.0	192.168.55.1	5000	80	224.55.8.1	50
PC130233	IPCam CMOS Video Encoder*	1	192.168.55.233	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
PC130341	IPCam CMOS Video Encoder*	1	192.168.55.41	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
PC130350	IPCam CMOS Video Encoder*	1	192.168.33.50	255.255.255.0	192.168.33.1	5000	80	239.0.0.0	50
PC130352	IPCam CMOS Video Encoder*	1	192.168.33.52	255.255.255.0	192.168.33.1	5000	80	239.0.0.0	50
PC130558	IPCam CMOS Video Encoder*	1	192.168.55.58	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
PC130561	IPCam CMOS Video Encoder*	1	192.168.55.61	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C139776280	IPCam CMOS Video Encoder*	1	192.168.1.40	255.255.255.0	192.168.1.1	5000	80	239.0.0.0	50
PC20130555	IPCam CMOS Video Encoder*	1	192.168.55.55	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C33959208	IPCam CMOS Video Encoder*	1	192.168.55.52	255,255,255.0	192.168.55.1	5000	80	239.0.0.0	50
C355346	HD Camcorder	1	192.168.1.41	255.255.255.0	192.168.1.1	5000	80	239.0.0.0	50
C4001272	HD Camcorder	1	192.168.1.88	255.255.255.0	192.168.1.1	5000	80	239.0.0.0	50
C478961	IPCam CMOS Video Encoder*	1	192.168.55.239	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C60215927	IPCam CMOS Video Encoder*	1	192.168.55.88	255,255,255,0	192.168.55.1	5000	80	239.0.0.0	50
C71856851	HD Camcorder	1	192.168.1.44	255,255,255.0	192.168.1.1	5000	80	239.0.0.0	50
PC921800	IPCam CMOS Video Encoder*	1	192.168.55.221	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C921809	IPCam CMOS Video Encoder*	1	192.168.33.44	255,255,255,0	192.168.33.1	5000	80	239.0.0.0	50
PC921972	HD Camcorder	1	192.168.55.106	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C922676	HD Camcorder	1	192.168.55.38	255,255,255,0	192.168.55.1	5000	80	239.0.0.0	50
C923705	IPCam CMOS Video Encoder*	1	192.168.55.240	255,255,255.0	192.168.55.1	5000	80	239.0.0.0	50
C929712	IPCam CMOS Video Encoder*	1	192.168.55.10	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C929713	IPCam CMOS Video Encoder*	1	192.168.55.11	255,255,255,0	192.168.55.1	5000	80	239.0.0.0	50
C929714	IPCam CMOS Video Encoder*	1	192.168.55.12	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C929715	IPCam CMOS Video Encoder*	1	192.168.55.13	255.255.255.0	192.168.55.1	5000	80	239.0.0.0	50
C929716	IPCam CMOS Video Encoder*	1	192.168.55.14	255,255,255,0	192,168,55,1	5000	80	239.0.0.0	50
C97120002	IPCam CMOS Video Encoder*	1	192.168.1.45	255.255.255.0	192.168.1.1	5000	80	239.0.0.0	50
									>
			Local IP 19	2.168.55.51	~		Search	ſ	Set
								Total	24
								- otar.	

[Search]: click on the search button to search all coding equipment and related information in the local area network (LAN).

[Set]:Select a device information, double-click or click "set", an interface will pop up to set up the equipment information as follow:

Device type	HD IPCam
Device name	IPC351604
Channel num	1
MAC	00-5A-20-35-5E-75
IP address	192 . 168 . 55 . 50
Subnet mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 55 . 1
Data port	5000
Web port	80
Multicast IP	224 . 55 . 55 . 1
Multicast port	5000
DNS	202 . 96 . 134 . 133
User name	admin
Password	admin
	Device name Channel num MAC IP address Subnet mask Gateway Data port Web port Multicast IP Multicast port DNS

Figure 47

Setting equipment information of List1, user name and password must be filled correctly.Click [OK], the equipment will be restarted.

Appendix Default Parameters of Encoder

The default network ports of encoders are:

	80	Web port
TCP	5000	Communication port, audio/video data transmission port,
		talkback data transmission port
UDP	5000	Audio/video data transmission port
Multi-cast	Multicast origina	l port + channel number
port		

Default network parameters

35

L

Cabled Network:
IP Address: 192.168.1.88 Data Port: 5000
Subnet mask: 255.255.255.0 Web Port: 80
Gateway: 192.168.1.1 DHCP: OFF
Wireless Network:
IP Address: 192.168.1.160 Frequency: Auto
Gateway: 192.168.1.1 Mode: Auto
Subnet mask: 255.255.255.0

Default user information

Default Administrator Name: a dmin	Password: a dmin
Default General User's Name: user1	Password: user1
Default General User's Name: user2	Password: user2
Note: User name and password are case sensi	tive.

