VMS

Video Management Software Operation Manual



FREE bundle

Version 2.0-090723

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System Hardware Requirements

Before installing VMS software, make sure your system has the following recommended minimum hardware requirements.

	Level	Atom Core Duel	
CPU	Dafan	Intel Atom 330 1.6G / Cache 512K / FSB	
	Keter	533 MHz	
DRAM		1G	
	VGA	On Board / Intel 945GC	
Network	x Interface Card	10/100 Ethernet	
		Windows XP / Windows Vista / Windows	
OS Support		Server 2003 / Windows Server 2008	
Video SettingVGA / 30 FPS / 1MVGA / 20 FPS / 512K		1~9 Ch	
		1~12 Ch	

Minimum System Requirements

	Level	Intel Pentium Processor	
CPU	CPU Refer	Intel E5200 2.5G / Cache 2M / FSB 800	
		MHz	
DRAM		2G	
	VGA	128MB Video Ram	
Network	Interface Card	10/100 Ethernet	
		Windows XP / Windows Vista / Windows	
OS Support		Server 2003 / Windows Server 2008	
VGA/30 FPS/1M		9~16 Ch	
Video Setting VGA / 20 FPS / 512K		12~20 Ch	

	Level	Intel Core 2 Dual	
CPU	CPU Refer	Intel E7200 2.53G / Cache 3M / FSB 1066	
		MHz	
DRAM		2G	
	VGA	256MB Video Ram	
Network	Interface Card	10/100 Ethernet	
		Windows XP / Windows Vista / Windows	
OS Support		Server 2003 / Windows Server 2008	
Video Setting	VGA / 30 FPS / 1M	16~24 Ch	
Video Setting VGA / 20 FPS / 512K		20~32 Ch	

	Level	Intel Core 2 Quad	
CPU	Dafar	Intel Quad Q9550 2.83G / Cache 12M /	
	Keler	FSB 1333 MHz	
DRAM		2G	
VGA		256MB Video Ram	
Network Interface Card		10/100/1000 Ethernet	
OS Summout		Windows XP / Windows Vista / Windows	
OS Support		Server 2003 / Windows Server 2008	
VIL S. 44 VGA/30 FPS/1M		24~40 Ch	
video Setting	VGA / 20 FPS / 512K	32~60 Ch	

	Level	Intel Core I7
CPU	CPU Refer	Intel 17-920 2.66G / Cache 8M / FSB 4.8
		GHz
	DRAM 3G	
	VGA	512MB Video Ram
Network	x Interface Card	10/100/1000 Ethernet
OS Support		Windows XP / Windows Vista / Windows
		Server 2003 / Windows Server 2008
Video Setting	VGA / 30 FPS / 1M	40~128 Ch
video Setting	VGA / 20 FPS / 512K	60~128 Ch

Bandwidth Requirements

Bandwidth Table		Bandwidth Statistics					
Resolution	Bit Rate	1 Ch	4 Ch	16 Ch	32 Ch	64 Ch	128 Ch
D1 / VGA / CIF	2 MPS	2 M	8 M	32 M	64 M	128 M	256 M
Frame Rate	1.5 MPS	1.5 M	6 M	24 M	48 M	96 M	192 M
(PAL 25 FPS /	1 MPS	1 M	4 M	16 M	32 M	64 M	128 M
NTSC 30 FPS)	768 KPS	768 K	3 M	12 M	24 M	48 M	96 M
	512 KPS	512 K	2 M	8 M	16 M	32 M	64 M
	384 KPS	384 K	1.5 M	6 M	12 M	24 M	48 M
	256 KPS	256 K	1 M	4 M	8 M	16 M	32 M
	We recommend using Giga switch in bandwidth of red data.						

I. Software Installation

VMS: Video Management Software

1. Setup

Click Recording Software VMS 2.0-std.exe from the VMS folder on the attached CD. Enter the setup mode.



2. Click I accept the agreement and select Next to continue.



3. Select a folder for installation of the software. The default path is C:\Program Files\VMS. Click Next to continue if you want to use the default path.

j ^g l Setup - VMS	
Select Destination Location Where should VMS be installed?	
Setup will install VMS into the following folder.	
To continue, click Next. If you would like to select a different folder, clic	k Browse.
	Browse
At least 25.3 MB of free disk space is required.	
< Back Next :	Cancel

4. The default setting of the Start Menu folder is VMS. If you want to use this folder, click Next to continue.



5. If you want to create a shortcut on your desktop, click Next to continue.



6. Select Install to continue.



7. Wait for completion of the installation.

Setup - VMS	
Installing	
Please wait while Setup installs VMS on your computer.	
Extracting files	
C:\Program Files\VMS\other\vsc-0.8.6d-win32.exe	
	Cancel
	Cancer

8. Click Finish to complete the installation. VSC Player is a video player and it is strongly recommended to install this application. Playing images might not be possible if you use the Windows Media Player application.

Note: It is recommended to install Microsoft C Runtime if your OS is not Windows Vista.



Click OK to continue if you want to use English as the default language.
 10.



10. The system is ready to install the VSC Player application. Click Next to continue.



11. Click I Agree and select Next to continue.



12. Click Next.

Choose Components Choose which features of VS	5C media player 0.8.6d you want to install.
Check the components you w install. Click Next to continue	vant to install and uncheck the components you don't want to
Select the type of install:	Custom
Or, select the optional components you wish to install:	Media player (required) Start Menu Shortcut Desktop Shortcut Ochrext Menus File type associations Delete preferences and cache
	Description
Space required: 39.8MB	Position your mouse over a component to see its description.

13. Select a path for installation of the application. The default path is C:\Program Files\VSC. Click Install to continue if you want to use this default path.

• VSC media player 0.8.6d Setup	
Choose Install Location Choose the folder in which to install VSC media player 0.8.6d.	۲
Setup will install VSC media player 0.8.6d in the following folder. To install in a differ folder, click Browse and select another folder. Click Install to start the installation.	ent
Destination Folder EttProgram Files/VSC\ Browse.	
Space required: 39.8MB	
Space available: 9.3GB	
Nullsoft Install System v2.28-1	Cancel

14. Wait for completion of the installation.

♥ ¥SC media player 0.8.6d Setup	
Installing Please wait while VSC media player 0.8.6d is being inst	talled.
Output folder: C:\Program Files\VSC	
Show <u>d</u> etails	
Vullsoft Install System v2.28-1	
<	sack Next > Cancel

15. Click Finish to complete the installation.



II. System Login



Click the "VMS" icon on the desktop or execute the application from

Start→ Programs→ VMS→ VMS.

Login	-	-	×
Display:	Use 1 monitor	•	
Configuration:	config.ini	•	Remove
Login ID:			
Password:			
			Login

When the Login screen appears, enter the following information and click Login if you are first time to enter the system.

Login ID: admin Password: admin

Display: If you have connected to two monitors, you will see [Use 1 monitor] and [Use 2 monitors] in Display column.

Login	-	×
Display: Configuration: Login ID:	Use 1 monitor Use 1 monitor Use 2 monitors	Remove
Password:		Login

	Each Monitor Max Layout	Total Channels
1 monitor	64	64
2 monitors	64	128
3 monitors	36	108
4 monitors	36	144

Configuration: Configuration can help you to save all parameter of VMS. If you want to save different configuration, please key in different name in configuration field. You can save different configurations and to apply them in different VMS.

Login	-		
Display:	Use 1 monitor	-	
Configuration:	abc.ini	-	Remove
Login ID: Password:	abc.ini config.ini xyz.ini		
			Login

III. System Operation:

The VMS homepage appears when you log in.

3-1. Functions o Image: CH006 640x480 - FPS 9 Image: CH012	an main page	Shu Minin U When button aroun immed Sequen Infor	ut down VMS nize VMS nformation you click the full screen , the objects and frames d the image disappear diately. ce mode selection mation display

- □ Shut down VMS: You can close VMS and return to Windows.
- □ Minimize VMS: You can minimize VMS and return to Windows.
- □ Information: The information will be displayed below the video when click the information button, it display channel number, resolution, FPS and bit rate.
- □ Full screen: With the full-screen function activated, you can press the Esc key on your keyboard to deactivate this function and return to the main screen.



The full-screen function is activated.

□ Sequence mode selection: You can switch to the sequence mode in a real-time way. You can select monitor 1 displayed in 9 Ch layout and monitor 2 displayed in 16 Ch layouts.



- □ Virtual Keyboard: Input the channel number and enter, it will show you fast in white circle.
- Page switch: When you select sequence mode, for example: 4 Ch layout are channel 1 to channel 4, if you want to see channel 5 to channel 8, click the next page.



□ Sequence Tour: This function can active auto page switch. You can adjust the speed of page switch from 5 to 60 seconds.



Remote camera zooms in/out

- □ Remote camera control: You need to enter your login ID and password from the Channel page on the system configuration page if you want to enable this function.
- □ Remote camera zoom in/out: You need to enter your login ID and password from the Channel page on the system configuration page if you want to enable this function.
 - Record Snapshot Playback Audio broadcast
- □ Record: The shortcut of Record, please see chapter 3-3 for details.
- □ Playback: The shortcut of Playback, please see chapter 3-6 for details.
- □ Snapshot: Click the snapshot button to start real-time snapshot.

□ Audio Broadcast: The shortcut of Audio Upload, please see chapter 3-8 for details.



- □ CPU resources: You can monitor the CPU resources to avoid overload.
- □ HDD resources: You can monitor the HDD resources.



- □ Shortcut: You can use shortcut with right click mouse.
- Drag-and-Drop: Click the Channel with left button of mouse and drag it to other location, the location will be changed when you set free the button.



3-2-1. Searching and Setting your cameras

Search and set your cameras in local network.

1. Click the icon at right up corner to start IP Finder program.



- 2. Start to search IP CAM.
- 3. Click the IP CAM that has been searched.
- 4. Input the new name and IP address if necessary.

Note: This program can search all IP CAM in local network. Please see next page if you want to connect to remote camera.

IP Finder	_	_	_		
Index Name		Name	•	MPEG4 VIDEO	SERVER
000 MIPEG4 VIDEO SER 1 001 MPEG4 VIDEO SER 1	69 . 254 . 155 . 27 92 . 168 . 1 . 241	IP		192 . 168 .	1 . 241
Step 3. Clicking the IP CAM		Netm	ask	255 . 255 .	255 . 0
		Gatev	way	192 . 168 .	1 . 1
	Step 4. Input the name and IP address if it is	HTTP	Port 1	80	•••
	necessary.	HTTP	Port 2	0	
Step 2. Clicking search		MAC		00:30:f0:06:00:51	»
				_	Submit
Search	• 1	Appl	y to chann	iel	
Auto fit		ID	root	Password	****
Setting					
	e !> 🕪				

5. Stay on the IP CAM and click right button of mouse to choose which CH and Streaming

protocol you want to set up.

IP Finder	CH 15 •
	CH 16 +
Index Name IP	CH17 • • • Name MPEG4 VIDEO SERVER
000 MPEG4 VIDEO SER 169. 254	CH 18 VDP
001 MPEG4 VIDEO SER 192.100	СН 19 • ТСР • 192 . 168 . 1 . 241
	СН 20 + НТТР
•	H21 Netmask 255 . 255 . 255 . 0
	CH 22
	CH 23 Gateway 192 . 168 . 1 . 1
Step 5. Choosing CH and	CH 24
streaming protocol.	CH 25 HTTP Port 1 ⁸⁰
	CH 26 •
	CH 27 HTTP Port 2
	CH 28 +
	CH 29 MAC 00:30:f0:06:00:5b
	CH 30 Submit
	CH 31 +
Search	CH 32 Apply to channel
	CH 33 ID root Password ****
Auto fit	CH 34 +
	CH 35 +

Search and set your cameras in internet.

Enter Configuration and click the channel setting page to input correct parameters to connect to your remote camera.



3-2-2. Channel: Parameter settings for each camera

□ Channel: Parameter settings for each camera

- □ IP: Enter the IP address of the camera to be set. When all settings have been completed, click Connect for connection to the camera.
- □ RTSP Port: The TCP port with the default value 554.
- □ RTSP URL: If you are in the Mpeg4 mode, enter /cam1/mpeg4. If you are in the Motion Jpeg mode, enter /cam1/mjpeg. If you are in the sub stream mode, enter /cam1/mpeg4-2.
- □ HTTP Port: The channel for the browser is 80 by default.
- □ Login ID: The login ID of the camera.
- □ Password: The password of the camera. Enter the login ID and password to execute remote camera control.
- Media Type: Select UDP, TCP, HTTP, multicast for video streaming transmission.
 HTTP is recommended if your network is protected with firewalls.
- □ Jitter Buffer: This function can help the video smoother, but it can't apply to UDP type.
- Digital Zoom: Digital Zoom in and out.
- Audio Upload Codec: Choose the channel first and then click the talk button, you can transmit your sound to remote camera.

Note: You have to install microphone in computer first and remote camera must install speaker.

- □ Media Batch Duration: Time for each clip of the video. (Unit: sec.) We recommend that the valve is 600(10 minutes).
- □ Media File Path: The path for storing the recorded video files.
- □ Snapshot File Path: The path for saving your snapshot file.



3-3-1. Pre-Setting for recording the video

Application Config).					
Record	Log	Relay	Alarm Watch	About		Channels:
Foundamental	Channel	Event	Scheduling	User	Audio Upload	1 🔺
	~ c	lick Fundamen	tal for pre-setting	ng of record	ing function.	2
Language		English	-			4
Viewer Ma	trix Layout	64	•			5
Reserved	Space	100	MB 🕶			7
Media Sto	rage Path1	C:\Users\xxx\VM	S\media Browse	e_	C: Free 83.86 GB	9
Media Sto	rage Path2		Browse	e		10
Media Sto	rage Path3		Browse	e		12
Media Sto	rage Path4		Browse	e		14
Media Sto	rage Path5		Browse	e		16
🗆 overwri	te the oldest a	archive if space is	full			17
execute	recycle free	e space for each cl	nannel right now			19
						20
Render vid	leo frame in	full 🝷 FPS				22
🗆 Play ke	ey frames only	y to reduce CPU lo	bad			23
Joystick	None		•			25
	1					26 -
						Apply Save

Basic Recording Setting: Enter the configuration and click fundamental setting page.

- □ Viewer Matrix Layout: You can choose a layout to be your default viewer setting.
- Reserved Space: This function can avoid recordings use up the hard disk space. The default value is 100 MB.
- □ Media Storage Path: Assign the recording to a folder. There are 5 groups of path can be set.
- □ Overwrite the oldest archive if space is full: Active this function and then the system will overwrite the oldest space automatically if space is full.
- □ Recycle free space for each channel right now: Click execute button to recycle free space.
- □ Render video frame in full FPS: when CPU resources reach 100%, you can adjust the value from full to 1/5 to avoid system crash.
- Play key frames only to reduce CPU load: No matter you enable this function or not, it will be executed automatically to avoid system crash when CPU resources reach 100%.
- □ Joystick: When a joystick supported RS-485 connects to PC, you can set a proper value to active joystick control. These function support controls up, down, right, left, zoom in/out.

Joystick	None	-
1000	None	
	COM1 / 2400 Pelco P COM1 / 4800 Pelco P	
		Select a proper value.

Note: We afford another kind of joystick with IP interface; please contact our sales for details.

3-3-2. Record the video directly



□ Record directly: You can click the video first, when the white circle appears, right click the mouse to select record. Select record again to stop recording.



A recording sign appears when you start record.

3-3-3. Group recording

Video recording function: Click the video recording button to open multi recording selection. Snapshot function: Click the snapshot button to start real-time snapshot.

pplication Config)	_		_			
Foundamental	Channel	Event	Scheduling	User	Audio Upload	Cha	nnels:
Record	Log	Relay	Alarm Watch	About		1	
Manihan	Clie	ck record sett	ing for group re	cording.		2	
Monitor 1	C Monitor2	C Monitor3 (Monitor4			4	
Channels						5	
Camera 1	🗖 Camera 2 🛛 🗖	Camera 3 🔲	Camera 4 🛛 🗖 Cam	era 5 🛛 🗖 Camera	6 🔲 Camera 7	Camera 8	
🔲 Camera 9	🔽 Camera 10 🛛	Camera 11 🔽	Camera 12 🔲 Cam	era 13 「 Camera	14 🔲 Camera 15	Camera 16	
Camera 17	🗖 Camera 18 🛛	🛛 Camera 19 🔲	Camera 20 🔲 Cam	era 21 🔲 Camera	22 🔲 Camera 23	Camera 24	
Camera 25	Camera 26	Camera 27 🔽	Camera 28 🗖 Cam	era 29 🗖 Camera	30 🔲 Camera 31	Camera 32 10	
Camera 33	🗖 Camera 34 🛛	Camera 35 🗖	Camera 36 🗖 Cam	era 37 🔲 Camera	38 🔲 Camera 39	Camera 40 11	
Camera 41	Camera 42	Camera 43 🔲	Camera 44 🔲 Cam	era 45 🔲 Camera	46 🔲 Camera 47	Camera 48	
Camera 49	Camera 50	Camera 51	Camera 52 🗖 Cam	era 53 🗖 Camera	54 🗖 Camera 55	Camera 56	
Camera 57	Camera 58	Camera 59	Camera 60 Cam	era 61 🗖 Camera	62 Camera 63	Camera 64	
	uncheck All	recording b	utton to open	multi recordir	ng selection.	Launch 17 18 19 20 21 22 23 24 25 26	
		- Click	the snapshot I	outton to star	t real-time sna	apshot.	_
•) 🗳 (ं 🖳	Stop 5" 10"	15" 20" 30"	6	Ô 🖓 (§	B 8 12 1	

Monitor: Click Monitor to switch different monitor page. Channels: Select the channels which you want to start record. Launch: Click Launch to enable record function.

3-4. Record the video by event

Name: Name the trigger event here.

Trigger Sources:

- 1. On Boot: The alarm is triggered by reboot. The camera will send an alarm when the system is rebooted due to power shortage, sabotage, or other reasons.
- 2. Alarm Input: The alarm is triggered by the security equipment connected from the DI terminals behind the machine, such as door/window detectors, infrared sensors.

Motion Detection: The alarm is triggered when motion is detected. The camera will send an alarm when any objects appear in the set detection area.

Note: Only N/A and start options are valid at present.

Camera Blind Detection: "Blink Detection" is typically used in high traffic area. For example, to detect whether the exhibit has been destroy or remove in the office lobby.

Note: This function is invalid at present.

Recording Duration: The default is 10 seconds.

ote: event trigg	ered recordin	ig requires rer	note devi	ces to send notifi	cations.
oundamental Chann	nel Event	Scheduling	User	Audio Upload	1
Name Trigger Motion Camera Record NOTE:	ch[1] event Sources On Boot Alarm Input Detection a Blind Detection ing Duration 10 event triggered reco	□ pin1 □ pin2 □ Area1 N/A ▼ A Area1 N/A ▼ A	pin3 □ pin4 vrea2 N/A ▼ vrea2 N/A ▼ devices to ser	Area3N/A Area3N/A	2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

3-5. Record the video by scheduling

Add: Add to the schedule.

Modify: Change the schedule. Enter the time and date and click Modify to complete the change.

Remove: Removal of a schedule. Select the schedule to be removed and click Remove.



3-6. Playback of a recorded video or snapshot

3-6-1. Search a recorded video from event.

		ange Step 5. Click	start date.		St	ep 5. Click	cena dat	e.
		May, 2009 🕨			•	May, 2009		
	26 27	28 29 30 1 2	k.		26 27 2	ue vved Thu 28 29 30	1 2	
	3 4	5 6 7 8 9			3 4	5 6 7	8 9	
	10 11	12 📆 14 15 16		•	10 11	12 📆 14	15 16	
	17 18	19 20 21 22 23			17 18	19 20 21	22 23	
	24 25	26 27 28 29 30			24 25 2	26 27 28	29 30	
	31 1	Sten 4 Innut start ti	me		31 1	2 3 4	5 6	
00:00	:00	otop 4. input start i	2	3:59:59	÷			
-					Step 6	Input enc	l time	
	rigger Type M rigger Status st	lotion Detectio ▼ art/stop ▼ Pin	n1 active n3 active		n2 active n4 active		Open E Delete I Sear	Event Event rch
Index	Event Type	SW Trigger Type	SW Trigger Status	3 HW Trig	ger Status	Event Start	Date Time	
	TRIGCER	Manual Recording	START	Χ,λ	(,Х,Х	2009-05-13	Wednesda	y 14:54:3
0			START	V 1	XX	2000 06 13	Wednesda	14:55:1
0	TRIGGER	Motion Detection	OTOD	A, 1		.		
0 1 2 3		Motion Detection Motion Detection	STOP	X,	Step 8	. Click	needa	14.00.4
0 1 2 3 4	TRIGGER TRIGGER TRIGGER TRIGGER	Motion Detection Motion Detection	STOP	X, X, X, X,	Step 8 Search	. Click n to start th	ne sda ne nesda nesda	y 14:55:2 y 14:55:2 v 14:55:2
0 1 2 3 4 5	TRIGGER TRIGGER TRIGGER TRIGGE R TRIGGER	Motion Detection Motion Detection Step 7. Choose c event type and tri	stop start hannel,	X, X, X, X, X, X,	Step 8 Search search	. Click n to start th	ne sda nesda nesda nesda	y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2
0 1 2 3 4 5 6	TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER	Motion Detection Motion Detection Step 7. Choose c event type and tri	stop hannel, gger type.	X, X, X, X, X, X,	Step 8 Search search	. Click n to start th 2009-05-13	ne sda nesda nesda nesda Wednesda	y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2
0 1 2 3 4 5 6 7	TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER	Motion Detection Motion Detection Step 7. Choose c event type and tri	stop stapt hannel, gger type.	X, X, X, X, X, X,	Step 8 Search search	. Click to start th 2009-05-13	nesda nesda nesda nesda wednesda	y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2
0 1 2 3 4 5 6 7 8 9	TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER	Motion Detection Motion Detection Step 7. Choose c event type and tri	stop hannel, gger type.	x, x, x, x, x, x, x, x, x,	Step 8 Search search (X,X) ne video	Click to start th 2009-05-13 directly or	nesda nesda nesda wednesda Wednesda Click da	y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2
0 1 2 3 4 5 6 7 8 9 10	TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER	Motion Detection Motion Detection Step 7. Choose c event type and tri Step 9. Double Dene Event b	stop hannel, gger type. e click the file utton to play	to play the video	Step 8 Search search (X,X) ne video	Click to start th 2009-05-13 directly or	needa nesda nesda nesda wednesda Wednesda Click da da	y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2
0 1 2 3 4 5 6 7 8 9 10 4	TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER TRIGGER	Motion Detection Motion Detection Step 7. Choose c event type and tri Step 9. Double Open Event b	stop hannel, gger type. e click the file utton to play	to play the video	Step 8 Search search (X,X ne video	Click to start th 2009-05-13 directly or	needa nesda nesda nesda Wednesda Click da da	y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2 y 14:55:2



Step 10. The program will call VSC Media Player to play video.

Step 1. Media options. Step 2. Click start date	e. Step 3. Click end date.
🔳 May, 2009 💽	📕 May, 2009
Sun Mon Tue Wed Thu Fri Sat 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Sun Mon Tue Wed Thu Fri Sat 26 27 28 29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31 1 2 3 4 5 6	24 25 26 27 28 29 30 31 1 2 3 4 5 6
filename	creation time duration
2009.05.11_15-58-34_345ms.mp4 2009.05.11_16-18-05_607ms.mp4 2009.05.11_16-59-09_448ms.mp4 2009.05.12_18-17-37_966ms.mp4 2009.05.12_18-20-53_055ms.mp4 2009.05.12_18-23-04_905ms.mp4 2009.05.12_18-33-36_815ms.mp4	5/11/2009 3:58:34 PM 00:00:04s 2 5/11/2009 4:18:05 PM 00:00:51s 4 5/11/2009 4:18:05 PM 00:00:05s 4 5/11/2009 4:18:05 PM 00:00:05s 5 Step 4. Choose channel. s 7 5 5 7 5/12/2009 6:33:36 PM 02:22:47s 9
2009.05.12_18-40-52_874ms.mp4 2009.05.12_19-15-59_670ms.mp4 2009.05.13_14-54-37_346ms.mp4 2009.05.13_14-57-28_523ms.mp4 Step 6. Click	5/12/2009 6:40:52 PM 00:00:19s 10 5/12/2009 7:15:59 PM 00:01:41s 11 5/13/2009 2:54:37 PM 00:01:24s 12 5/13/2009 2:57:28 PM 00:00:11s 13 Search to start the search. 14 15 16
Step 5. Choose video or snar	pshot. 17 18 19
Step 7. Double click the file to p video directly or click Play butto the video.	on to play 22 23 24 25
Play Delete	
Sequence Tour	Setting

3-6-2. Search a recorded video and snapshot from Media.

When you click Play, the program connects to the player automatically. It is recommended to use VSC Player. You can install this software following the setup of the main program. (Refer to Chapter 1.)

3-7. Rotate function

You can use this function for cameras that are hung upside down.



When you click the Rotate button, th image is presented upside down.

3-8. Audio upload

This function can help you make a group audio broadcast.

- 1. You have to connect a speaker to your IP camera.
- 2. Check the setting of audio in IP camera, the audio mode must be active.
- 3. A microphone connected must be regular.

Application Confi	9	-					×
Record	Log	Relay	Alarm Watch	About		С	hannels:
Foundamental	Channel	Event	Scheduling	User	Audio Uplad	1	~
	Step 2. Na	me a group.	in the second			2	
-Andio Upl	oad Group	Select Cha	nnels	Ea	able List		
est		Disable Lis				5	
	Add Craws	CH02	<u>^</u>	C	H01	6	=
	Add Group	CH03		C	H14	7	
test	-	CH06	E			9	
		CH07				10	
	реак Оп					11	
Ren	nove Group	CH10				12	
		L CH11		Step 4. N	love to enable list.	14	
		CH12				15	
		CH15		1		16	
		CH+6	>	>		18	
		CH17	<	<		19	
		CH10				20	
		CH20	 Step 3. 	Select cha	nnel.	21	
		CH21	-			23	
		17-033				24	
	Step 5. Click	this button to	o speak on.			25	
		01					•
		Step 1. Au	dio upload sh	ortcut butto	n.	Apply	Save
	~	Sequ	ence Tour		Setting		
		Stop 5" 10"	15" 20" 30"	607		A 16	10)
						· · · ·	

3-9. Alarm Watch

You can see an alarm channel displayed on another monitor.

For example: If you want to see channel 1 displayed on first channel (Ch37) of monitor 2 when motion is active.

Step 1: Set motion area in IP camera.



Step 2: Set motion detection in event.

Application Config							x
Record	Log	Relay	Alarm Watch	About		С	hannels:
Foundamental	Channel	Event	Scheduling	User	Audio Upload	1	*
л Т С (1	Name ch[1] ev Frigger Sources C On B C Adam Motion Detection Camera Blind Do Recording Durat NOTE: event trig	rent ninpot etection ion 100 igered record	T pin1 ⊂ pin2 Γ Area1 start/s ▼ Area1 N/A ▼	pin3 pin4 Area2 N/A ▼ Area2 N/A ▼ e devices to sen	Area3 <mark>N/A ▼</mark> Area3 <mark>N/A ▼</mark> d event notifications	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 3 24 25 26 26	
						Apply	Save

Application Config	g	and the second second	and the second s		and the		E
Foundamental Record	Channel Log	Event Relay	Scheduling Alarm Watch	User About	Audio Upload	CI	nannels:
Alarm View Grou C Alarm View Alarm View C Alarm View C Alarm View	P 1 N/A 2 2 CH37 3 N/A 4 N/A 4 1. is o	Idle CH CH02 CH03 CH04 CH05 CH06 CH07 CH08 CH09 CH10 CH11 CH12 CH12 CH13 CH14 CH15 CH16 CH17 CH18 CH16 CH17 CH18 CH19 CH20 CH22 CH23 CH22 CH23 CH04 CH05 CH06 CH07 CH08 CH09 CH07 CH08 CH09 CH09 CH10 CH11 CH12 CH13 CH14 CH15 CH16 CH17 CH18 CH19 CH19 CH19 CH19 CH19 CH19 CH19 CH19	el which	CH01	2. The channel y want to see.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 16 17 18 19 20 21 22 23 24 22 23 24 25 6 6 7 7 8 9 10 11 12 13 14 14 15 16 16 17 18 19 10 11 12 10 10 10 10 11 12 10 10 10 10 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	H
						Apply	Save

Step 3: Select which channel you want to see when motion is active.

Step 4: When motion is active, a yellow indicated icon flashes. (Ch 1 of monitor 1)





Step 5: A video displays on Ch37 of monitor 2.

3-10. Lock

You can use this function to lock all functions of the product to avoid unauthorized access. The password for this function is admin.



3-11. Link to the main page of IP CAM quickly.

	http://60.248.204.239/=Windows Intern	et Explorer	• + X Google	2 ·	
	Google	· · · · · · · · · · · · ·	🏷 拼字檢查 ・ 🎦 田島峡人 ・ 🌽	《 · ◎ 2人 ·	
	😪 🐼 🎓 http://60.248.204.239/		🖞 • 🔯 • 🖶 • 🕃 ARA	• • • IA(0) • "	
		CMOS PT IP CAMERA	Live View Setting		
	Language English +	Video Format MPEG4 (Main • IX •	Streaming HTTP • Brightness • Ale	11 11	
	Speed 5 + Preset 1.1 +	Gates 1	4-30		
	Go St Tour 1 Start, Stop St AutoPan Start, Stop Alert Message				• •
	Alert Snapshot Glear			W.	
	94	Report file parts (D'/REC) Bregarius	ine path: [crun-sphild] ④ 網路網路 近信編偉式: 繁荣	R 100% -	
夏第一五月 11 2009 22 03 25 CPU 19%	Eeponts Tor	ee corole#			· 2000 -
		Ľ	 Click this bu 	itton to connect	to the

webcam page automatically.

3-12. User

Settings for access permission

Application Config	g							
Record	Log	Relay	Alarm Watch	About			Channel	s:
Foundamental	Channel	Event	Scheduling	Uter	Audio Upload		1	*
3. 5 4. pa	Select an acc Change and ssword.	Current Pas Current Pas New Pas Confirm Pas	admin sword: sword: Chalige P e	∠ 2	. click user set	ting page.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	E
			. Click Config.				22 23 24 25 26	-
005	Setting		_					

3-13. Log

Record the information about program boot up, user log in and channel event.

Application Config										
Foundamental	Channel	Event	Scheduling	User	Audio Upload		Channels:			
Record	Log	Relay	Alarm Watch	About	Ì		1 🔺			
							2			
[21:55:42 05/1	1/09] info: syst	em start up	Click Lo	g page.		*	3			
[21:55:42 05/1	1/09] info: adm	in login					4			
[20:24:53 05/1	1/09] info: syst	em shutdown					0			
[20:24:31 05/1	1/09] info: syst	em start up				=	7			
[20:24:31 05/1	1/09] info: adm	in login					8			
[20:23:41 05/1]	1/09] info: syst	em shutdown	0/ 1				9			
[19:37:13 05/1	1/09] warn: CP	U loading over 95	%, turn on play i	keyframe only 30	J seconds.	2000 05 11	10			
[16:59:12 05/11/09] info: media with duration 5s is recorded in C:\Users\xxx\VMS\media\01\video\2009.05.11										
[10.10.34 05/1	1/09] into: med 1/09] info: med	ia with duration 5	a is recorded in	C. Users XXX (VI	S/media/01/video	2009.05.11	12			
[15:13:21 05/1	1/09] mild. med 1/09] warn: CD	L loading over 94	% turn on play l	conframe only 3) eeconde	2003.03.11	13			
[13:58:41 05/1	1/091 info: svst	em start un	, vo, tunn on play i	cynanic only 50	occonds.		14			
[13:58:41 05/1	1/091 info: adm	in login					15			
[22:37:21 05/0	3/091 info: svst	em shutdown					16			
19:35:52 05/0	8/09] warn: CP	U loading over 95	%, turn on play I	keyframe only 30) seconds.		17			
[19:30:41 05/0	3/09] info: adm	in save schedule	settings				18			
[19:30:41 05/08	3/09] info: adm	in save event set	tings				19			
[19:30:41 05/08	3/09] info: adm	in save channel s	settings				20			
[19:30:41 05/08	3/09] info: adm	in save fundamer	ntal settings				21			
[19:24:38 05/08	8/09] info: syst	em start up				-	22			
110-04-38 mc/ms	R/001 into: adm	in login III				F.	24			
						clear	25			
			1. Click Conf	fig.						
	Setting									
207		e ki								
Recorded Street Laboration										

3-14. About

Show the information about software version and release date.

Application Confi	9			-				x
Foundamental Record	Channel Log	Event Relay	Scheduling Alarm Watch	User About	Audio Upload		Cha 1	innels:
	:	2. Click Abo	out page.	Ĭ			2 3 4 5 6 7 8	ш
		Version		п.,			9	
		Poloas	n. 2, 0, 0, 0				11	
		Copyrig	ht(c) 2006-2008, al	rights reserved	I.		12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	-
			1. Click Co	nfig.		Apply		Save
005	Setting	e > 1			_	_		

3-15. eMAP

Tips for Installation Positions

- □ New: Create a new map information file.
- □ Open: Open a map information file.
- □ Save: Save a map information file.
- □ Save As...: Save as a map information file.
- □ Select Map Image: Load a JPG file. It can be an interior ground plan or an actual installation picture.



IV. VMS 2.0 Relay Viewer

This function allows you to monitor the video remotely. The max monitoring IP cameras are 16 channels.

							4 DO :			
			VN		0^{R}	elav v	/iewe	Stalled		
						citty	10			
A XXX	-PC		VMS Cor	nect Dialog						
ี ส	Camera	1	Съ			_				
ส	Camera	37	○ URI	192.168.	1.5					
		•	•	VM	IS Port 1977					_
		•	••••	admin Pas	sword					
1	Camera Co	onnect			-					
(Camera Disc	connect			<u> </u>	Input I	D and p	bassw	ord to lo	g ın.
	VMS Con	nect	_							
	VMS Disco	nnect	-							
Left	Home	e Right								
	Down	, <u> </u>								
Zoom	In	Zoom Out								
Focus N	lear	Focus Far	_							
	Configu	re	-							

1. Connect to VMS 2.0 Relay viewer; just input the IP address of PC that installs the VMS.

- Input ID and Password to log in.
 Note: ID and Password are the same as VMS.
- 3. Select the video lay out first and double click the camera channel, a video will be displayed.

Note: The same effect if you use camera connect or camera disconnect.



- 4. VMS Connect / Disconnect: You can connect to other VMS if you have several VMS needed to be monitor.
- 5. Up / Down / Left / Right / Home: Control the directions of IP camera.
- 6. Zoom In / Out: Control the zoom of IP camera.
- 7. Focus Near / Far: Control the focus of IP camera.
- 8. Configure: Set the path of record and snapshot.

VMS 2.0 Relay Viewer

n x	(X.₽C ¶ Cam ¶ Cam	era 1 era 37		Ga	tes 14-3			
				Reco	rd Path	C:\Users\xxx\\/MSRelay\media		Path
	Camera	Connect		Snap	shot Path	C: \Users\vx\\/MSRelay\media		Path
	Camera	Disconnect	1					
	VMS C	onnect					Save	Cancel
	VMS De	sconnect						
	1	JP.						
Left	H	ome	Right					
_	De	own			_	Set path of re	ecord and	snapsnot.
200	mIn	Zoo	m Out					
Focus	Near	Foo	us Far					
_	Con	figure	-					
1	2x2	3x3	4x4					

9. Sequence mode selection: You can switch to the sequence mode in a real-time way. There are 4 kind of sequence can be selected; 1, 4, 9 and 16 layout.

VMS 2.0 Relay Viewer

	era 37		
Camera Camera D VMS Ci	Connect isconnect onnect		
VMS Dis	connect		
Left Ho	r me Right		
Do	wn		
Zoom In	Zoom Out		
Focus Near	Focus Far		
Confi	gure		
1 2x2	3x3 4x4	•	