# CMS user manual

## **CENTRAL MONITORING SYSTEM**



Version 1.1(2005.12)

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## **1** Installation

## **1.1 Program Installation**

Run **Setup.exe** file in the installation CD.

Default installation directory is "C:\program files\CMS".

oose Destination Location		and the second
Select folder where Setup will install fil	es.	
Setup will install CMS in the following f	folder.	
To install to this folder, click Next. To i another folder.	install to a different folder, click	Browse and select
T Destination Folder		
Destination Folder C:\Program Files\CMS		Browse
Destination Folder C:\Program Files\CMS		Browse

[pic.1.1 – Set installation directory]

elect Program Folder		Sec. 1
Please select a program folder.		ALC: NO
Setup will add program icons to th	e Program Folder listed below. You may type a ing folders list. Click Next to continue	new folder
Program Folders:	ing forders list. Diek How to continue.	
CMS		
Existing Folders:		
김리 모구		
넵밎틒옼 2.0		
시작프로그램		
의 슬튼 소프트		
파일구리		
한클과컴퓨터		
JAccessories		<u> </u>
IShield		
		-
	< Back Next>	Cancel



[pic.1.3 – Installation process]



[pic.1.4 – Installation complete]

## **1.2 Program Uninstallation**

Control Panel -> Add/Remove Programs ->Select CMS and press remove button

🖬 프로그램 추	가/제거		- 🗆 ×
12	현재 설치된 프로그램:	정렬(S): 미름	
프로그램 변경	A II Hydravision	크기:	10,41718
또는 제거	AXIS Media Control	크기:	480KB
	BCQRE PrintManager	크기:	716KB
2000 새 프로그램	CMS	크기: 사용 빈도:	<u>5,26MB</u> 보통
추가	컴퓨터에서 이 프로그램을 변경하거나 제거하 려면 [변경/제거]를 누르십시오.		거(C)
	🛃 DIMS	크기:	852KB
Windows ⊋	🛃 DirectX 9 핫픽스 - KB839643		
성요소 추가/	👸 eMule	크기:	1,39GB
AII.21	👥 Fileguri	크기:	605MB
Sec.	📉 GVA2000 학생용	크기:	980KB
2 <b>2</b>	🚚 INISafeWeb 5,0		
기본 프로그램 색전	InstallShield Professional 6,3	크기:	2,96MB
	👿 K-Lite Codec Pack	크기:	444KB
	🛃 КиКиВох	크기:	844KB
	🛃 Macromedia Shockwave Player		
	Mol GCord	270	0041/D

[pic.1.5 – Control panel-Add/Remove program]

Click "Yes" when the program ask to confirm Uninstallation.



[pic.1.6 – Confirm Uninstallation]



[pic.1.7 – Uninstallation process]

After successful Uninstallation, below message will appear.

CMS		×
CMS has been s	uccessfully uninstalled from	n your machine,
	확인	

[pic.1.8 – Program Uninstallation complete]

## 2 Running the Program

## 2.1 Agent Server

#### 2.1.1 Running Agent Server

Start – Program – Startup : Click AgentServer menu or after the program is installed, double click AgentServer.exe to run the program from the installed directory. When the program run, it will register itself to system tray like below.



AgentServer program must be running to receive DVR event message.

#### 2.1.2 Agent Server exit

Right click the tray icon to call up the menu and select 'Exit' to finish program.



#### 2.2 Map Generator

Start – Program – CMS : Click Map Generator menu or double click Map Generator icon on the desktop screen to run the program. User can also run the Map\_Gen.exe file from the installed directory.



[pic.2.2 – Map Generator starting screen]

#### 2.2.1 Calling on Map Image

Click "Map Open" button to open file open dialog. Select file for map screen and open. Selected image will appear as map screen and you can set the camera/sensor/relay. Only jpg and bmp files can be used as map.

Map Generato	[ 1 월 전 순 3 전 3]		18	
	Construct Construction Construc	Propression Arr Prints	87100 83100	

[pic.2.3 – Calling on Map Image]

#### 2.2.2 Map Setting





#### 2.2.2.1 Camera Setting

Drag and drop the camera icon to desired location. Drag and drop the camera icon again to move location.



[pic.2.5 – Camera Setting]

Click camera icon in the map to input additional camera information. Input information about camera number, name, PTZ capable. If no input, camera number will be same as camera index, and camera name will be "Camera" + camera number by default.

#### 2.2.2.2 Sensor Setting

Drag and drop the Sensor icon to desired location. Drag and drop the Sensor icon again to move location.



[pic.2.6 – Sensor Setting]

Click Sensor icon in the map to input additional Sensor information. Input information about Sensor number, name, connected camera number. If no input, Sensor number will be same as Sensor index, and Sensor name will be "Sensor" + Sensor number by default.

#### 2.2.2.3 Relay Setting

Drag and drop the Relay icon to desired location. Drag and drop the Relay icon again to move location.



Click Relay icon in the map to input additional Relay information. Input information about Relay number, name, Relay type. If no input, Relay number will be same as Relay index, and Relay name will be "Relay" + Relay number by default.

#### 2.2.3 Apply Map Setting

Press 'Apply' button after setting the camera, sensor, relay location.

This setting will be saved as a separate file and you can open this file later to add/edit/delete the map.

You can select the map from the CMS main program's DVR setting to monitor events of selected map.



#### 2.2.4 Finish Map Generator

After the Map setting, press 'Close' to finish Map Generator.

#### 2.3 CMS

#### 2.3.1 Run CMS

Start – Program – CMS : Click CMS menu or double click CMS.exe from the installed directory to run program.

In order to run the CMS correctly, user must change the monitor resolution to 1280 x 1024 resolution.

Input user name and password.

(default user name is "admin", password is "admin")

😻 -CMS MAIN-	×
User Name Password	þadmin
OK	Cancel



[pic.2.8 – CMS starting Screen]

Program Title Bar DVR Site List Map/Live/Search/System information swap function tab Map/Live/Search/System information display screen Relay List Event Log List Setting/statistics/search/finish function button

#### 2.3.2 CMS setting

Press Setting button in the [pic.2.8] (a location)

#### 2.3.2.1 User Registration

User	5116		Scenario	HIARM NOTIFY	Uther
admin	User List				
		US	er Name		
		P	assword		
		P	assword		
		C	omment		
				2)	
		CM:	S Setting		
	_		ve Video Viewing	9	
		<b>P1</b>	ayback		
	<b>U</b>	Re:	lay Control		
		■ Sy:	stem Control		
		St.	at/Report Genera	ation	
	101		47		
Add	Modify	Dele	rte Ap	oply Clo	ise 3

[pic.2.9 – User Registration]

Show registered user list.

- If you select a user from the list, according information will be displayed in 2 Area.

User information and authority will be noted and edited in the area.

- CMS Setting : CMS setting change authority
- Live video viewing : Live Video Viewing authority
- Playback : Remote search authority
- System Control : System reboot/shutdown authority
- Stat/Report Generation : Statistics and Report program use authority

**Function Button** 

- Add : Add DVR
- Modify : Modify existing information
- Delete : Delete selected DVR setting information
- Apply : Apply modified DVR setting information
- Close : Close setting screen

수유소	220.68.167.12	DVR Port 6808	Audio Port 6809	Agent Port 8801
		Sec approximation	200000000	
		(1)		
		$\smile$		
				E
		Map 1		
DVR Name				
IP Address		Map 2		
DUR Name IP Address DUR Port	68 98	Map 2 Map 3		
DUR Name IP Address DVR Port Audio Port	68 09	Map 2 Map 3 Map 4		
DUR Name IP Address DUR Port Audio Port Agent Port	68 09 88 01	Map 2 Map 3 Map 4		

#### 2.3.2.2 DVR Registration

[pic.2.10 – DVR Setting]

Show registered DVR list and their setting information.

- If user select the DVR from the list, selected DVR will change to sky blue color.

Data area where user input new DVR information, or edit existing DVR information.

- DVR port, Audio Port, Agent port should be as recommended as above, but modifying will not affect any performance.
- If user want to setup Map, press right side button ... of each text field (Map1~4) to open up [pic.2.11] screen. User can have up to 4 maps connected to one DVR site. This map should already have modified adding cameras and sensors from the Map Generator in chapter 2.2
- Select map from the list and press 'Select' button.



[pic.2.11 – Map Setting]

Other Function key

- Add : Add DVR
- Modify : Modify existing information
- Delete : Delete selected DVR setting information
- Apply : Apply modified DVR setting information
- Close : Close setting screen

User	Site	Event	Scenario	Alarm Notify	Other
Very Hig	jh High	Norma	1 Low	Very Lov	
	U				
■ Map Po	oup				
Save E	vent Loa				
Beep A	larm		*		
E-mail					
SMS					
		2	)		
			( Apj	oly Clo	ise

#### 2.3.2.3 Event Level Alarm Setting

[pic.2.12 – Event Level Alarm Setting]

Set Alarm event level.

Set Alarm kind according to event level.

- Map Popup: If check this box, event will pop up map window.
- Live View Popup: If check this box, event will pop up live video window of event site.
- Save Event Log: If check this box, event will save to Database.
- Beep Alarm : Set how many times the beeper will beep (pull down menu will let user choose from 1 to 5 beeps)
- E-mail, SMS : Set to send E-mail or SMS when event occur. (SMS function will be optional/additional cost)

Function key

- Apply: Apply edited event level alarm to map.
- Close: Close setting window



#### 2.3.2.4 Event Scenario Setting

[pic.2.13 – Event Scenario Setting]

Show registered DVR/camera/sensor list. Select event from the tree directory. Select event level of the selected camera/sensor from the tree.

Text input of detailed action scenario of the selected event from the tree. Additional sound file can be selected to be played with the alarm by pressing the **...** button. You can also listen to the sample sound file by pressing the **button**.

Additional Keys

- Apply: Apply the changed event alarm setting.
- Close: Close setting window.

User	Site	Event	Scenario	Alarm Notify	Other
Very Hi	gh High	Norma	1 Low	Very Low	
Subjec			From To		
From					
То					
	2			3	
			App	oly Clo	se 4

#### 2.3.2.5 Email & SMS Setting

[pic.2.14 – Email & SMS setting]

Select the event level of the event.

Check box next to e-mail to use input field.

- Subject: Subject of Email.
- SMTP: Address of SMTP.
- From: Sender's e-mail address.
- To: Receiver's e-mail address.

Check box next to SMS to use input field.

- From: Sender's hand phone number.
- To: Receiver's hand phone number. (Double click the grid to input.)

Additional Keys

- Apply: Apply the changed event alarm setting.
- Close: Close setting window.

F							
	MC	OB File C:	₩Program Files₩(	CMS₩cms.mdb		<u>+</u>	
			(1	)			
					211	Riose	

#### 2.3.2.6 Database Setting

[pic.2.15 – Database Setting]

MDB setting : At the installed directory, open cms.mdb file by pressing **under setting** button to designate the file path.

(Default path c:\program files\cms\mdb)

Additional Keys

- Apply: Apply the changed event alarm setting.
- Close: Close setting window.

#### 2.3.3 Main Program



#### 2.3.3.1 Map display and device control

[pic.2.16 – Map Display screen]

Press "MAP" button to display list's map. Maximum map is 4, and you can change 1 screen or 4 screen map by double clicking screen.

Double click the camera icon to view channel's live video like [pic.2.17]

Double click the relay icon or press relay button in to control relay real time.

When there is event, the icon in map will blink or change according to event.



[pic.2.17 – 1ch live viewer screen]



Double click event log list to view live video like [pic.2.18]

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#### 2.3.3.2 Live video display



[pic.2.19 – Live display screen]

Press "Live" button in 1 o see live display screen.

User can select 1/4/9/16 screen division from (2) area.

From 1 screen viewer if user is watching Number 1 screen, press 2 rea's 1 screen division again to see Number 2 screen. Press once more to see Number 3 screen and so forth.



#### 2.3.3.3 System information display and system control

[pic.2.20 – System information display screen]

Press 'SYSTEM INFO' button at to display selected DVR's system information from

This system information will be displayed at

- Refresh: Refresh system information
- DVR Reload: Reload DVR software.
- Shutdown: Shut down DVR system.
- Reboot: Reboot DVR system.





[pic.2.21 – Main Screen]

Press power button in to close program.

## 2.4 Remote Search

#### 2.4.1 Run Search program



[pic.2.22 – Main Screen]

Click "Remote Search" button from 1 rea to start remote search.

#### 2.4.2 Search Screen



[pic.2.23 – Remote Search Screen]

Please check the "Search" manual from the DVR Manual for more details.

## 2.5 Statistics & Report

#### 2.5.1 Run Program



[pic.2.24 – Main screen]

Click "Report" button from (1) ea to start CMS report program.

User can search the event report with statistics and also print results.

#### **2.5.2 Statistics Report**

	Date: 8	3/21/2005 💽	~ 8/21/2005	•	
	DVB:				Search
	Divition 1				
	Event:	II <u>▼</u>			
DVB Name	DVB IP	Event	Camera	Sensor	
조모소	220 68 167 12	Motion Start	2	0	
주육소	220 68 167 12	Motion Start	9	ň	
주유소	220 68 167 12	Motion Start	10	ň	
즈므소	220 68 167 12	Motion Start	8	ů.	
즈모소	220,68,167,12	Motion Start	7	ň	
~~~ ㅈㅇㅅ	220 68 167 12	Motion Start	Ś	Ő	
조모소	220 68 167 12	Motion Start	1	0	
즈므소	220 68 167 12	Motion Start	3	ő	
즈므소	220 68 167 12	Motion Start	13	ŭ	
70X	220 68 167 12	Motion Start	14	ő	
~~~ ㅈㅇㅅ	220 68 167 12	Motion Start	15	0	
~~~ ㅈㅇㅅ	220 68 167 12	Motion Start	12	ů.	
· · · · · · · · · · · · · · · · · · ·	220 68 167 12	Motion Start	16	Ő	
조모소	220 68 167 12	Motion Start	11	ő	
· · · · · · · · · · · · · · · · · · ·	220 68 167 12	Motion Start	1	ő	
즈므소	220 68 167 12	Motion End	2	ŭ	
~~~ ~ ~ ^	220 68 167 12	Motion End	3	0	
~~~ ~ ~ ^	220 68 167 12	Motion End	1	0	
<b>エロエ</b> スロ人	220 68 167 12	Motion End	16	0	
707 707	220,68,167,12	Motion End	15	0	
<u>구규</u> 소 ㅈㅇㅅ	220,68,167,12	Motion End	14	0	
<b>大田上</b> 天日人	220 68 167 12	Motion End	13	0	
<u>구규</u> 소 ㅈ০ㅅ	220 68 167 12	Motion End	12	0	
<u>구규</u> 소 ㅈ০ㅅ	220 68 167 12	Motion End	11	0	
70× 70×	220,60,107,12	Motion End	10	0	
<u>구규</u> 노 조미소	220,68,167,12	Motion End	9	0	
782	220,60,107,12	Motion End	8	0	
702	220,68,167,12	Motion End	7	0	
70×	220 68 167 12	Motion End	5	0	
<b>テカエ</b> スロ人	220,00,107,12	Motion End	4	0	
<u> </u>	220,00,107,12	Motion Stort	14	0	
772	220,00,107,12	Motion Start	14	0	
	220,00,107,12	Moudin Start	10	0	
777 <sup>2</sup> 707	220 60 167 12	Rection Stort			

[pic.2.25 – Statistical Program screen]

From the menu, select "Statistics-Event"

Again select period of time, DVR, event kind

Press "Search"

Event data will be printed on screen as above.

89 C	MS -	- Statistics and Report -	[Report-Total Event]					_ 🗆 ×
	File	Statistics Window List	: Help					_ 8 ×
	80 - E	Event	Total Event	-				
		Relay Control Log	DVR Event K Camera Event					
		System Control Log	Sensor Event		~ 2005-09-01	·		- I I
	1.		DVR:	- -			Search	
		E	vent: All	•				
	Dat	te Time	DVR Name	DVR IP	Event	Camera	Sensor	

Excel : Save above data as Excel file

Report : Rearrange above data to report format on screen

Close : Exit program

#### 2.5.3 Report Print

The Statistic	:s Window list Help 확대/축소 1100% 💌						1
	ي					5	
	_						
	R	eport-To	tal Event				
	(2	2005/05/03 ~	2005/08/30)				
	2	94	5	40			
	Date Time	DVR Name	EVENT	Camera No	Sensor No		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	T.		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		N
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	T.		15
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	D	1		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	I.		
	2005-06-22 오후 1:23:30	sdlee	Sensor Start	0	T		
	2005-06-22 ♀ ≐ 1:23:30	sdlee	Sensor Start	0	1		

[pic.2.26 – Report Screen]

This is a screen of the report, and if the user wish to print out from the printer, please press the printer button in the left top corner.



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