

Mounting and Operating Manual

Dear Customer!

By selecting this VC product you have chosen a professional device, which guarantees highest possible quality and reliability.

Please read the following instructions carefully before comissioning the product in order to be able to take full advantage of all quality features regarding this product line.

Digital Video Recorder

Art. no. 11564

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F©CE

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received including interference that may cause undesired operation.

Safety Instructions

Warnings & Cautions

Please read the following safety warnings and keep this manual in a place which you can read whenever you need.

- 1. Keep the Video Servers away from water, wet, hot, flammable area or with heavy moisture
- 2. Check the existing electric environment if it's applicable (90V~240V AC) before use
- 3. Avoid to operate it in high temperature environment
- 4. Please put the Video Server and Hub in a flat stable place to operate
- 5. Do not disassemble the product arbitrarily.

	WARNIN	This symbol indicates that personal injury may occur or the product may be damaged when you fail to follow the given instruction
CAUTION	CAUTION	This symbol indicates that property loss may occur or the product may malfunction when you fail to follow the given instruction

Network IP Cameras

nCam Series: 2M/ High-Resolution CCD

Product Front View

Product Rear View



9. Gnd	Gnd
8. Alarm In	Alarm In
7. Audio Out	Alarm Out
6. Audio Gnd	Audio Gnd (for audio
	in & out)
5. Audio In	Audio In
4. GND	GND
3. DC12V In	DC12V In
2. D-(RS485)	RS485 (D-)
1. D+(RS485):	RS485 (D+)



Notes:

- * For nCam Series cameras, the power is provided via POE by Gigabit POE HUB. Thus, it is not necessary to connect the DC12V In (pin-3) and Gnd (pin-4) from the above illustration.
- * Please use the CAT-6 LAN cable to connect each Telexper devices.
- * The effective distance away from the nHub-4P POE Hub is 100 meters.

Properties

2M/ High-Resolution CCD

- CMOS / CCD Sensors, H.264 Compression
- Resolution 640x480 @30fps
 720x480 @30fps
- PoE(Power over Ethernet) Hub to feed power
- Built-in mechanical IR Cut Filter
- Built-in Fixed/Manual/Auto Lens
- IR LED 30~36PCS IR distance: 20M
- 4 Motion detection in one image
- Linux OS
- H.264/M-JPEG SOC dual compression

Video Server

Model: 11572

- Product Front View



- Product Rear View nVS-1P Back Panel Connector illustration



		Back Pa	nel Connector	
	7	Pin No.	Print	Definition
	1	1	1. D+ (RS485)	D+(RS485)
•		2	2. D- (RS485)	D- (RS485)
		3	3. DC 12V In	DC12V In (connect when if w/o PoE)
•	4	4	4. Gnd	Gnd (only for 3. DC12V In)
•	5	5	1. DC12V Out	DC12V Out (only for camera)
•		6	2. Gnd	Gnd (only for camera)
•		7	3. Audio In	Audio In
•		8	4. Audio Gnd	Audio Gnd (only for 3. Audio In)
•		9	5. Audio Out	Audio Out
•		10	6. Aundio Gnd	Aundio Gnd (only for 5. Audio Out)
•		11	7. Alarm In	Alarm In
•		12	8. Gnd	Gnd
	13	13	9. Alarm Out	Alarm Out

Notes:

- * For nVS-1P, the power is provided via POE by Gigabit POE HUB. Thus, it is not necessary to connect the DC12V In (pin-3) and Gnd (pin-4) from the above illustration.
- * For nVS-1, nVS-1 doesn't support the POE. Thus, please input the DC12V, 1.2A (min) electric power in the DC12V In (pin-3) and Gnd (pin-4).
- * Please use the CAT-6 LAN cable to connect each devices.
- * Please use the 75 Ohm coaxial video cable connecting the camera and the video server.
- * The DC12V Output at pin-5 provides the max 8W electric power.
- * The nVS-1 Video Server requests the DC12V, 1.2A (min) electric power.
- * The effective distance away from the nHub-4P POE Hub is 100 meters.



- The states of the Power LED
 - * Red Color: Power on when connect with the nHub-4P (Gigabit POE HUB)
 * Red Flashiness: When the LAN is active

Properties:

- 1. Upgrade any Traditional Analogue Camera to the IP System
- 2. H.264 & M-JPEG Dual-type Codec
- 3. De-centralized & Modularized Design
- 4. Unlimited Number of Camera Expansion at any time
- 5. No Power Cable to Camera Required
- 6. Reduce minimum 50% of Installation Cost
- 7. Less Maintenance Cost than Analogue System
- 8. Up to 30fps @D1, 120fps@CIF Display & Recording
- 9. Multi Video Audio Streaming Design

Gigabit POE HUB

Model: 11574

- Product Front View



- Uplink : 10/100/1000Base-TX uplink ports for connect with the Wan / LAN
- POE 1-4: 10/100/1000Base-TX with POE injectors
- AC Input: for connected with power cable (Range 90V 265V)

Model: 11575

- Product Front View





- The states of the LED

- * Double Green lights: Giga-LAN
- * Left Orange + Right Green light: Mega-LAN

Notes:

• Power Provision Max DC48V, 300mA per each port

Network Video Decoder (Video Matrix)

Model: 11571

- Product Front View

- Product Rear View



Embedded Linux Platform

Properties:

- 1. Provide H.264 video stream decode service.
- 2. VGA (D-SUB) and HDMI video output connector.
- 3. Real-time image decode 30fps, could display by full screen and quad screen.
- 4. High resolution D1 or CIFx4.
- 5. Support POE function.
- 6. CMS could provide monitoring, sequence display, alarm display, and etc functions.
- 7. Could work independently with only cameras, with or without CMS server.

RS485 Controller

Product Description

Each device provides the Video Server additional 4 set of the control unit, could use to connect 4 different alarm input and out-put devices.

Installation

Please connect the RS485 controller DT+ (D+) pin to the D+ pin of the Video Server, and also the DT-(D-) pin to the D-pin of the Video Server. The power could provide from the 12V OUT pin of the Video Server, and make sure both of the GND pin connected well to enable the power supply.

Model: 11573

- Product Front View







- Product Rear View



DIP Switch adjust table: BIT1~4 for ID, BIT5~7 for Baud Rate, BIT8 for transmission mode.

DIP SWITCH BIT 1,2,3,4	DIP SWITCH BIT 5,6,7
ID00: 0,0,0,0 / ID01: 1,0,0,0	Relay Test : 1,1,1
ID02: 0,1,0,0 / ID03: 1,1,0,0	1200 bps : 0,1,1
ID04: 0,0,1,0 / ID05: 1,0,1,0	2400 bps : 1,0,1
ID06: 0,1,1,0 / ID07: 1,1,1,0	4800 bps : 0,0,1
ID08: 0,0,0,1 / ID09: 1,0,0,1	9600 bps : 1,1,0
ID10: 0,1,0,1 / ID11: 1,1,0,1	19200 bps : 0,1,0
ID12: 0,0,1,1 / ID13: 1,0,1,1	38400 bps : 1,0,0
ID14 0,1,1,1 / ID15: 1,1,1,1	57600 bps : 0,0,0

DIP SWITCH BIT 8 : 0->RS485Mode, 1->RS232Mode

Properties:

- 1. Require the DC12V, 350mA input.
- 2. Provide the additional 4 set of alarm input and alarm output.

Network Video Recorder

Installation

Connect the nVR to the CMS network; the CMS system will auto detect the nVR devices without any additional configuration.

Record Function

Add the cameras which need to be recorded by nVR, each nVR works independently.

Playback Function

Playback the video films with CMS.

Model: 11560 / 11561

- Product Front View

11560

11561



Embedded XP Platform

Properties:

- 1. Support All Analogues Camera with Video Server
- 2. Dual-type Codec (H.264 + JPEG)
- 3. Dual-Monitor Display Design (Video + E-Map)
- 4. Pentaplex Design (Live, REC, Playback, Backup, Remote Viewing)
- 5. Hot-standby REC (Always Recording)*1
- 6. Smart Motion Activity Search
- 7. E-mail Alarm (inc HDD Failure) Notification
- 8. CD or/ DVD Burner Backup (optional)
- 9. Dynamic & Static IP supported
- 10. Remote Viewing via 3G handset *2
- 11. Up to 25,600 cam CMS available

Notes: 1. Deduct the dead possibility caused by hard disk failure

2. Support "Windows Mobile OS" 3G Handset ONLY



To avoid the risk of explosion from using incompatible battery, please use batteries with the same specifications or recommended by your original supplier or manufacturer. Dispose of used batteries according to the instructions.

Model: 11562 / 11563 RAID

- Product Front View

-Product Rear View





Embedded XP Platform

Features:

- 1. XP Embedded OS
- 2. SATA I, SATA II Hard Drive
- 3. Auto Partition Allocation
- 4. Duplex Operation
- 5. Compatible with VGA, D1, 1.3Mega, 2Megapixel IP Cameras
- 6. TMSP*1 Protocol Protection Gives Security Data Leak FREE
- 7. RAID 0 / 1 / 5, Hot Swap
- 8. 19" Rack Mountable Housing
- 9. Support up to 64 channels/cameras video recording.
- 10. Dual Power Redundant

Notice: For nVR-15RAID series, don't use GreenPower hard disk series. We recommend to use Seagate hard disk.

nVR RAID 5 Setup Guide

1. Insert HDD to NVR and restart the system. A pop-up window (see picture below) will appear.



2. On your system desktop, double-click HighPoint Web RAID Management shortcut



3. Internet Explorer will be initiated automatically. Please select "Continue to this website (not

recommended)"to continue to the main page of HighPoint Web RAID Management.

🥭 Certificate	Error: Navigation Blocked - Windows Internet Explorer
00-	https://localhost:7402/
🔶 Favorites	🔒 🔊 Suggested Sites 👻 🖉 Web Slice Gallery 👻
🏉 Certificat	te Error: Navigation Blocked
8	There is a problem with this website's security certificate.
	The security certificate presented by this website was not issued by a trusted certificate authority.
	Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server.
	We recommend that you close this webpage and do not continue to this website.
	Ø Click here to close this webpage.
(Sontinue to this website (not recommended).

Manage	Event	Task	Setting	SHI	Logout	Help	Technologies, Inc.
Please Lo	nain						
User Name R	AID						
Password •	••						
Login							

- 5. After log in successfully, you will see Logical Device Information page.
 - Ensure the quantity of HDD is correct. If not, please turn off the system to check whether HDDs were inserted properly or were defective.
 - Under Physical Device Information section, you can distinguish the new/used status of the HDDs from the HDD icon. HDD icon with letter L (Legacy) on it is for used HDD. HDD icon without any letter is for new HDD.

Manage	Event Tas	k Setting	SHT	Lonout	Help	Hight Point
Hanage		k occurs	UTIX	Logour		recumologies, inc.
		Logica	Device Inf	ormation		
Name	Type	Capacity	Cache Policy	SectorSize	OS Name	Status
Device_1	_2 Hard Disk	160.04 GB			HPT DISK 0_0	Legacy
Create Array		Physica	l Device In	formation		
Location	n Model			Capacity	Max I	Free
1/1	ST3150	0341AS-9VS4CC	50	1.50 TB	1.50	тв
🖢 1/2	ST3160	815SV-6RAF9S3I	3	160.04 GB	0.00	GB
1/3	ST3150	0341AS-9V54GP	90	1.50 TB	1.50	тв
1/4	ST3150	0341AS-9VS4EA	9B	1.50 TB	1.50	тв
1/5	ST3150	0341AS-9VS4FR	QS	1.50 TB	1.50	тв
1/6	ST3150	0341AS-9VS4G7	24	1.50 TB	1.50	ТВ
						21. I

6. After checking the HDD Status, go to **Manage**, then select **Device**.

Manage Array	Event	Task	Setting	SHI	Logout	Help	Technologics, Inc.
Spare Pool			Logical	Device Inf	ormation		
Name	Тур	e	Capacity	Cache Policy	SectorSize	e OS Name	Status
Device_	1_2 Har	d Disk	160.04 GB			HPT DISK	0_0 Legacy
Create Arra	У		Physica	l Device In	formation		
Locatio	on M	Model			Capacity	Ν	Max Free
1/1	5	5T3150034	1AS-9VS4CCS	50	1.50 TB	1	L.50 TB
L 1/2		ST3160815	SV-6RAF9S3B		160.04 GB	C	0.00 GB

Initialize Devices

Under Manage page, click

7.

8.

to enter Initialize Physical Device page.

Manage Eve	ent Task	Setting	SHI	Logout	Help	Heffsport
Rescan Devices	Initialize Devi	ces				
	Controller 1	(RocketRA	ID 2340	SATA Cor	troller v1	.4)
Device 1 1	Model	ST315003414	S-9VS4CCS	D	Capacity	1.50 TB
Device 1 2	2 Model	ST31608155\	/-6RAF9S3B		Capacity	160.04 GB
Device 1 3	<u>8</u> Model	ST315003414	S-9VS4GP9	0	Capacity	1.50 TB
Click Select	All to sele	ct all un-ini	tialized ł	IDD, and	then click	Submit to start.
Manage Ev	ent Task	Setting	SHI	Logout	Help	Highsport
		Initializ	e Physica	al Devices	Ē	
Select All	Device_1_2	ST316	50815SV-6R	AF9S3B		160.04 GB
Submit						

9. Click OK on "All data on the disk you selected will be deleted. Do you want to continue?"



10. System will message you for every completion of each HDD.



11. After completion of HDD initializing, there will be no letter on the HDD icons on the **Physical Device Information**.

Man	age Event	Task	Setting	SHI	Logout	Help	Hight Polat
Res	scan Devices	Initialize Dev	ces				
		Controller 1	(RocketR/	AID 2340	SATA Co	ntroller_v1	.4)
	Device 1 1	Model	ST31500341	AS-9VS4CCS	0	Capacity	1.50 TB
	Device 1 2	Model	ST31500341	AS-9VS4FZ7	C	Capacity	1.50 TB
	Device 1 3	Model	ST31500341	AS-9VS4GP9	0	Capacity	1.50 TB
	Device 1 4	Model	ST31500341	AS-9VS4EA9	в	Capacity	1.50 TB
	Device 1 5	Model	ST31500341	AS-9VS4FRQ	s	Capacity	1.50 TB
	Device 1 6	Model	ST31500341	AS-9VS4G72	4	Capacity	1.50 TB
	Device 1 7	Model	ST31500341	AS-9VS4FZC	z	Capacity	1.50 TB
	Device 1 8	Model	ST31500341	AS-9VS4EZR	в	Capacity	1.50 TB
	Device 1 9	Model	ST31500341	AS-9VS4EFT	R	Capacity	1.50 TB
	Device 1 10	Model	ST31500341	AS-9VS4FPC	5	Capacity	1.50 TB
	Device 1 11	Model	ST31500341	AS-9VS4FCB	1	Capacity	1.50 TB
	Device 1 12	Model	ST31500341	AS-9VS4FP6	-	Capacity	1.50 TB
	Device 1 13	Model	ST31500341	AS-9VS4FPG	4	Capacity	1.50 TB
	Device 1 14	Model	ST31500341	AS-9VS4FPS	1	Capacity	1.50 TB
	Device 1 15	Model	ST31500341	AS-9VS4D46	G	Capacity	1.50 TB

Manage Event Task Setting Sitt Logott Help Technolic Manage Event Task Setting Sitt Logott Help Technolic Image Event Task Setting Sitt Logott Help Technolic Image Event Task Setting Sitt Capacity 1.50 TB Image Event Task Setting Sitt Capacity 1.50 TB Image Event Task Setting Sitt Capacity 1.50 TB Click Create Array to enter Create Array Page. Cipcical Device Information Technologies, Image Image Event Task Setting SHI Logout Help Technologies, Image Image Event Task Setting SHI Logout Help Technologies, Image Image Event Task Setting SHI Logout Help Technologies, Image Image Event Task Setting Setting Setting Setting	Manage	Event	Tack	Sotting	SUT	Logout	Help	HightPo
Device Controller 1 (RocketRAID 2340 SATA Controller v1.4) Device 1 Model ST31500341AS-9VS4CCS0 Capacity 1.50 TB Device 1 Model ST31500341AS-9VS4FZ7C Capacity 1.50 TB Device 1 Model ST31500341AS-9VS4FZ7C Capacity 1.50 TB Click Create Array to enter Create Array Page. Create Array Controller 1 Controller 1 Controller 1 Capacity Capacity	Array	Event	TOSK	Setting	511	Logout	пер	Technologies,
Spare Pool Pvices Controller 1 (RocketRAID 2340 SATA Controller v1.4) Device 1 1 Model ST31500341AS-9VS4CCS0 Capacity 1.50 TB Device 1 2 Model ST31500341AS-9VS4FZ7C Capacity 1.50 TB Oevice 1 2 Model ST31500341AS-9VS4FZ7C Capacity 1.50 TB Click Create Array to enter Create Array Page. Circulate Array to enter Create Array Page. Manage Event Task Setting SHI Logout Help Circulate Array Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Device Information Experimentation Experimentation Experimentation Location Model Capacity Cache Policy SectorSize OS Name Status	Device							
Controller 1 (RocketRAID 2340 SATA Controller v1.4) Device 1 Model ST31500341A5-9V54CCS0 Capacity 1.50 TB Device 1 Model ST31500341A5-9V54FZ7C Capacity 1.50 TB Device 1 Model ST31500341A5-9V54FZ7C Capacity 1.50 TB Click Create Array to enter Create Array Page. Create Array Controller Task Setting SHI Logout Help Create Array Manage Event Task Setting SHI Logout Help Create Array Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Device Information Device Information Max Free Location Model Capacity Max Free	Spare Pool	evices	Initialize Dev	ices				
Controller 1 (RocketRAID 2340 SATA Controller v1.4) Device 1 Model ST31500341AS-9VS4CCS0 Capacity 1.50 TB Device 1 2 Model ST31500341AS-9VS4FZ7C Capacity 1.50 TB Click Create Array to enter Create Array Page. Manage Event Task Setting SHI Logout Help Freehoologies. Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Location Model Capacity Cache Policy Manage Manage Status								
Device 1 1 Model ST31500341AS-9VS4CCS0 Capacity 1.50 TB Device 1 2 Model ST31500341AS-9VS4FZ7C Capacity 1.50 TB Citck Create Array to enter Create Array Page. Image: Event Task Setting SHI Logout Help Image: Event Task Setting SHI Logout Help Image: Event Task Setting SHI Logout SectorSize OS Name Status Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Image: Event Model Image: Event SectorSize Status Status		(Controller 1	l (RocketR	AID 234	40 SATA C	ontroller v	1.4)
Device 1 2 Model ST31500341AS-9VS4FZ7C Capacity 1.50 TB Click Create Array to enter Create Array Page. Manage Event Task Setting SHI Logout Help Device Information Mame Type Capacity Cache Policy SectorSize OS Name Status Create Array Location Model Capacity Capacity Max Free	Devic	<u>e 1 1</u>	Model	ST31500341	AS-9VS40	CS0	Capacity	1.50 TB
Click Create Array to enter Create Array Page.	Devic	<u>e 1 2</u>	Model	ST31500341	AS-9VS4F	Z7C	Capacity	1.50 TB
Manage Event Task Setting SHI Logout Help Frechnologies, Internation Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Physical Device Information Location Model Capacity Max Free	Click Crea	te Anay	to enter	Create Arr	ay Pag	e.		
Manage Event Task Setting SHI Logout Help Technologies, I Logical Device Information Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Physical Device Information Location Model Capacity Max Free								MadeDocat
Logical Device Information Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Physical Device Information Location Model Capacity Max Free	Manage	Event	Task	Setting	SHI	Logout	Help	Technologies,Inc.
Name Type Capacity Cache Policy SectorSize OS Name Status Create Array Physical Device Information Location Model Capacity Max Free				Logical De	vice In	ormation		
Create Array Physical Device Information Location Model Capacity Max Free	Name	Туре	Capacity	Cache Policy		SectorSize	OS Name	Status
Physical Device Information Location Model Capacity Max Free	Create Array	/						
Location Model Capacity Max Free				Physical De	evice In	formation	1	
	Locatio	'n	Model			Capacity	Ma	ax Free
☐ 1/1 ST31500341AS-9VS4CCS0 1.50 TB 1.50 TB	1/1		ST31500341	AS-9VS4CCS0		1.50 TB	1.	50 TB
	= 1/2		ST31500341	AS-9VS4F77C		1.50 TB	1.	50 TB

14. Under Create Array page, select RAID 5 for Array Type, Foreground for Initialization

od. Click Select	All to s	elect	all HDD	s, and t	hen click	Create	to b
lanage Event Task	Setting	SHI	Logout	Help	Technolo	Docat wies. Inc.	
	Cre	ate Ar	ray				
Array Type:	RAID 5	-					
Array Name:	Default						
Initialization Method:	Foreground	•					
Cache Policy:	Write Back 👻	•]					
Block Size:	64K •						
Number of RAID5 member disks:	3 *						
	Select All	n Model		Capacit	/ Max Free		
	V 🚍 1/1	ST3150	0341AS-9VS4	CCS0 1.50 TB	1.50 TB		
	☑ 🚍 1/2	ST3150	0341AS-9VS4	FZ7C 1.50 TB	1.50 TB		
	V 🗐 1/3	ST3150	0341AS-9VS4	GP90 1.50 TB	1.50 TB		
	1/4	ST3150	0341AS-9VS4	EA9B 1.50 TB	1.50 TB		
	V 🚍 1/5	ST3150	0341AS-9VS4	FRQS 1.50 TB	1.50 TB		
	V 🖃 1/6	ST3150	0341AS-9VS4	G724 1.50 TB	1.50 TB		
Available Disks:	V 🚍 1/7	ST3150	0341AS-9VS4	FZCZ 1.50 TB	1.50 TB		
	1/8	ST3150	0341AS-9VS4	EZRB 1.50 TB	1.50 TB		
	V 🖃 1/9	ST3150	0341AS-9VS4	EFTR 1.50 TB	1.50 TB		

12. Go to Manage and select Array.

15. A message will appear upon completion.



16. Initialization process will begin upon array creation.

Mar	nage	Event	Task	Setting	SHI	Logo	out	Help	Technologies, Inc.
				Logica	al Device	Informa	ation		
1	Name	Туре	Capacity	Cache Policy	SectorSize	OS Name	Status		
	RAID_5_0	RAID 5	21.00 TB	Write Back	512B		Initializ remair	zing (Foregro ning time:05	ound) 3% 23:41
Cre	eate Array								
				Physic	al Device	Inform	ation		
	Location		Model			Ca	pacity		Max Free
	1/1		ST315003	341AS-9VS4C	C SO	1.5	50 TB		0.00 GB
	1/2		ST315003	841AS-9VS4F2	27C	1.5	50 TB		0.00 GB

17. Upon initialization process, the status will become Normal.

Ma	nage	Event	Task	Setting	SHI	Logout	Help	Reght Polate Technologies, Inc.
				Logical De	vice Info	ormation	0	
	Name	Type	Capacity	Cache Policy	Sectors	Size OS N	ame	Status
	RAID_5_0	RAID 5	21.00 TB	Write Through	512B	НРТ	DISK 0_0	Normal <u>Maintenance</u>
Cı	reate Array							
				Physical D	evice Inf	ormation	1	
	Location	Ν	1odel			Capacity		Max Free
	1/1	5	5T31500341	AS-9VS3Z5RS		1.50 TB		0.00 GB

18. Please restart the system.

When you restart the system, the System Process window will appear. This time, please do not click reminate and wait 30 seconds for this window to disappear.

SYSTEM PROCESS	
Click Terminate to Stop Program	
[Terminate]	

20. The system will ask for HDD formatting. Please click Format All to begin HDD formation process.

	HDD F	rocess	
	Format	Option	
(Format All)	Skip All	Format	Skip

21. Upon HDD formation, the system will automatically restart again and start NVR program.

Notice: If the network video recorder is nVR-15 or nVR-15 RAID series, please insert the HDD rack from left bottom to the right top, in order to prevent no detection of HDD.

Commander Station (Central Management Server software built-in)

Model: 11564 bis 11570

- Product Front View



- Product Rear View



ltem	Component	Description
1	Power button	Press to turn the nCS on.
2	Recordable DVD	Use this drive to install programs, store files onto recordable
2	Drive	DVDs.
3	USB port	Plug USB devices.
4	HDD Caddy * 4	For HDD installation.
5	Video Out	Video output connector for Monitors.
6	Speaker Out	Plug an external speaker into this jack to listen voice.
7	Mic In	Plug an external microphone into this jack to transmit voice.
8	USB ports * 4	Plug USB devices.
9	Ethernet Jack	Plug 10/100/1000 Ethernet network cable into the jack.
10	Keyboard	Plug the keyboard.
11	Mouse	Plug the Mouse.
12	Power In jack	Plug the power cord into the port.



Default manufacturer setting is set to 230V.

If the environment is under the 115V electric power supplied.

Please ensure to use the correct voltage 115V before turning on the nCS.



To avoid the risk of explosion from using incompatible battery, please use batteries with the same specifications or recommended by your original supplier or manufacturer. Dispose of used batteries according to the instructions.

System Requirements for the LVC and RemoteCMS Software

IP CCTV Solution provides the best performance, stability and reliability for you all to have the best quality on the Surveillance and security.

Regarding the LVC (Local View Client), or RemoteCMS, please refers to the Recommended Hardware Environment as below.

Minimum Computer Requirements for LVC (Local View Client) and RemoteCMS:

- Operating System:Better to have the Windows XP SP2 at least or most updated patch- CPU:Intel Dual-Core 2.66GHz, or higher- Ram:2GB Memory or more- HDD:Minimum 300MB space size for software application installation
- **Display:** Best Recommended Resolution at 1680x1050

Recommended Computer Requirements for LVC (Local View Client) and RemoteCMS:

- Operating System:	Better to have the Windows XP SP2 at least or most updated patch
- CPU:	Intel Core2 Quad 2.66 GHz, or higher
- Ram:	4GB Memory or more
- HDD:	Minimum 300MB space size for software application installation
- Display:	Best Recommended Resolution at 1680x1050

Chapter 1 System Setup

System Setup Flow Chart



Setup under Firewall Environment

Among the anti-virus products in the market, many have the firewall feature included. If your IP Network devices were installed under the environment with firewall, you will need to <u>manually open</u> <u>ports to allow CMS system to detect ALL the IP devices.</u>

1. Ensure port numbers are opened.

Required port numbers for IP Network System:

Purposes	Port Number
Central Commander Station, Hybrid DVR	6741
IP cameras, video servers, matrix decoders, NVR (network video recorder)	34000
Remote CMS (Remote playback of WinNVR)	6742
Web service for CMS	80

- If you were still **not** able to detect IP devices after opening all ports listed above, please **shut down** your firewall or anti-virus software.
- 3. If you were able to detect all devices after closing down the anti-virus software or firewall, please **check and adjust** your firewall or anti-virus software settings accordingly.

Quick Installation

Model: 11572

Step-1



Step-3



Step-5



Step-2







For the Wall-mount bracket



IP CCTV Installation Diagram

For the assembly of the speed dome camera, please refer to the complete manual.



Chapter 2 IP Address Setup (DeviceSetting)

IP Address Setup (DeviceSetting) software is designed specifically for user with complex internet network to easily update each device's network parameters.

Enter DeviceSetting

After installation from the Application CD, an icon



will appear on the desktop.

Double-click the icon to begin the software.

DeviceSetting—Main Menu

	es Setting v1.0.5.13	General	Current Devi	ce _ ⊡ ×
Type: 17:Mul	ItiPD		Network Para	ameters
Network Infomat	ion	Static Information		Link Info
MAC (0040A2B0009B	Static IP	192.168.3.65	dev count 64
IP Address	197 168 3 65	Default Gateway	192.168.3.254	Type Co
ii Address	102.100.0.00	Default SubMask	255.255.255.0	MultiPD 64
Port 3	34000	DHCP TimeOut	0	
VVAN Infomation				
Domain Nam	e 0040A2B0009B.ho	meplus-tii.net		
Port Numbe	er 34065	DNS Register	NO	
Reload Devices	Reset Device	Modify Settings	Language	
Connect Device	Batch Setting	Fw Update	English	Import Export
Device List Mu	lticast Seting			
Туре	IP Address	Port MAC	>: :	Static IP 🛛 🔼
17:MultiPD	192.168.3.65	34000 0040	A2B0009B 1	192.168.3.65
17:MultiPD	192.168.3.19	34000 0040	A452006E 1	192.168.3.19
17:MultiPD	192.168.3.38	34000 0040	A2BUUUA5 1	192.168.3.38
	192.168.3.18	34000 0040	A2BUUUAA 1	192.168.3.18
	192.108.3.40	34000 0040	AZBUU3UC 1	
<	III (>
2011/02/16 14:4	15:55 A 0	Con	vright(C)VisionSoft Inter	Device List

Current Device Network Parameters

Use the cursor to select one device from the Device List, then the information will display :

Type (e.g. 18: Video Server)

Network Information: Show the current MAC/ IP Address/ Port data of the selected device

Static Information: Show the current Static IP Address of the selected device

WAN Information: Show the current network parameters of the Dynamic IP network of the selected device. Those parameters will be assigned by Telexper DNS servers automatically.

Domain Name: The Domain Name (e.g. 0040A250053C.homeplus-tii.net) is used to connect the device remotely via WAN if the device is using the dynamic IP to WAN (internet)

Buttons Descriptions

Connect Device

- 1. Select one device from the Device List and click Connect Device to view directly.
- 2. User name and password are required:

Default Username: admin Default Password: 99999999

- Once logged in, the live view will display as below. You may control the PTZ or I/O devices by clicking on the small icons or right-clicking on the channel. The **Snapshot** function allows user to save the current image as JPG file.
- 4. You may also adjust the device settings such as resolution and fps.

	וען	•
	30 fps	•
	deinterlace	
Сате	ra: 25X-IP-Dome	
Came	ra: 25X-IP-Dome	

- Check the Alarm box to enable alarm notification for Alarm-In-enabled device. When the alarm is triggered, a red alarm icon will appear on the screen. For Alarm In setup, please refer to <u>Chapter 7—Alarm In and Alarm Out Setting</u>.
- 6. Click 🕞 to exit.

Reload Devices



Devices	Setting v1.0.5.13	General		×
Name: B-87 Network Inform MAC IP Address Port	ation 0040A2B0009B 192.168.3.65 34000	Update	Static Infomation Static IP Default Gateway Default SubMask DHCP TimeOut	192.168.3.65 192.168.3.254 255.255.255.0 0
Static IP/Port :	Settings		UID/PWD Settings	3
Static IP	192 168 3	65	New PWD	
GateWay	192 168 3	254		Update Uid/Pwd
SubMask	255 255 25	0		
New Port	34000		DNS Register Set	ungs
	Update IP/P	ort	DNS Register	NO 🔽 Update

Static IP/ Port Setting:



- 1. Uncheck is DHCP box to disable DHCP.
- 2. Key in the assigned IP/ Port setting for the selected device.
- 3. Click **Update IP/Port** to save the settings.

User ID/ Password Setting:

-UID/PWD Setti	ngs		
New UID			
New PWD		i	Default Username: admin
			Default Password: 99999999
	Update Uid/Pwd		

DNS Server Registration Setting:

We have DNS servers located in different locations around the world to serve the customers at NO COST.

ettings		
NO	~	Update
	ettings NO	NO V

General Note for Device Setting:

- 1. Please ensure the device has been connected to the internet during this setup.
- 2. DNS server will assign a Domain Name & Port Number for you automatically; and show on the main page as below.

-WAN Information			
Domain Name	0040A2B00309.ho	meplus-tii.net	
Port Number	34010	DNS Register	NO

 It takes 20 to 30 seconds to upload the modified settings to the device. The background color of device status list will become the color GRAY during uploading period; and back to WHITE after completing the upload.

Reset Device

Click Reset Device button to reset the network parameters of the selected device back to default.

Batch Setting

This function enables user to synchronize multiple devices with the same settings at once. Using the

mouse and the **Control key** to select multiple devices and click **Batch Setting** to enter the set

up page.

Devices Setting v1.0.5.13	General	×
Static IP/Port Settings		
Static IP	192 168 3 65 - 65	
GateWay	192 168 3 254	
SubMask	255 255 255 0	
New Port	34000	
	Update IP/Port	

Firmware Update

Fw Update

Click

to access to firmware update page. Another window will display the current

firmware of camera.

					×
Name	Mac Address	IP Address	Version	Progress	^
B-87	0040A2B0009B	192.168.3.65	4.4.1.63	0%	
A-37	0040A452006E	192.168.3.19	4.4.1.63	0%	
A-19	0040A2B000A5	192.168.3.38	4.4.1.63	0%	
A-53	0040A2B000AA	192.168.3.18	4.4.1.63	0%	
BUS	0040A2B0030C	192.168.3.46	4.4.1.63	0%	
A-(1)	0040A2B000AB	192.168.3.13	4.4.1.63	0%	
A-4	0040A2B000AC	192.168.3.31	4.4.1.63	0%	
A-25	0040A2B000A0	192.168.3.22	4.4.1.63	0%	
A-21	0040A2B000A6	192.168.3.24	4.4.1.63	0%	
B-79	0040A2B00097	192.168.3.34	4.4.1.63	0%	
B-101	0040A2500222	192.168.3.44	4.4.1.63	0%	
B-71	0040A2B0034F	192.168.3.53	4.4.1.63	0%	
A-17	0040A2B000A4	192.168.3.21	4.4.1.63	0%	
B-97	0040A2500220	192.168.3.48	4.4.1.63	0%	
A-31	0040A2B000A3	192.168.3.8	4.4.1.63	0%	
🗆 A-33	0040A452006C	192.168.3.39	4.4.1.63	0%	
□ <mark>B-81</mark>	0040A2B00098	192.168.3.62	4.4.1.63	0%	
A-01	0040A2B0009C	192.168.3.5	4.4.1.63	0%	
A-49	0040A2B000A8	192.168.3.6	4.4.1.6	0%	
🗆 A-59	0040A2B00349	192.168.3.27	4.4.1.6 2	0% (3)	
B-127	0040A2B0035F	192,168,3,40	4.4.1.6	2%	~
				Open Up	date

- 1. Select IP devices by checking the box for firmware update.
- 2. Click Open to select file directory of firmware.
- 3. Click Update to start updating.

Chapter 3 CMS - General Operations Getting Started CMS

Login CMS (Central Management Server Software)

Double-click the CMS shortcut icon to begin the software.



Then, there will be a window pop-up, key in username and password on it.



Press Keyboard button, the On-Screen Keyboard will be enable for input.

📰 Or	n-50	cre	en	Ke	/bo	oard																				_1	×
Eile	Keγ	/bo	ard	5	etti	ings	Hel	р																			
esc			F1	F	2	F3	F4		F	5	F6	F	7	F8		F9	F:	10	F11	F12	psc	slk	brk				
	1	I	2	3		4	5		6	7	Ι	8	9	I	0	-	-		bk	sp	ins	hm	pup	nik	7	•	-
tal	5	q	Τ	₩	e		r I	t	у		u	i	Ι	o	F		Ε]		1	del	enc	pdr	7	8	9	
loc	ck	Ι	a	5		d	f	Ι	g	h	Ι	j	k	Ι	I I	;	ŀ	Ι	er	nt				4	5	6	+
si	hft	-		z	x		;	v	b	Ι	n	п	Ι	,			1		shft			†		1	2	3	
ctrl		2		alt											alt			E	c	trl	+	Ŧ	-	()		ent

For the first-time login, CMS will detect automatically and display all cameras on the main screen.

After the first-time login, go to

Setup, click Search and Refresh to detect and update

new devices.

Change the password of the user

Check on "Change Password", the dialog window will expand.

Password		
Change Password		
//authoosed	OK]	

Key-in the new password, and input again to confirm the new password, then, press "**OK**" to finish the modification.

Password		

Change F	assword	
New Passw	ord	-
Confirm No.	v Doceword	
COUTINUMER	v Passworu	

The "Change Password" function is also available in CMS-Setup Menu.

Please help to refer the Chapter 7 CMS-Setup Menu \rightarrow User Management.

Chapter 4 CMS - Main Menu (Live Mode)

For the first-time login, CMS will detect automatically and display all cameras on the main screen.

After the first-time login, go to

Setup, click Search and Refresh to detect and update new devices.



Main Menu Buttons Overview





Live: Default mode for viewing the live view of the all camera channels



Playback: Switch to playback mode, please refer to Playback Mode chapter.



E-Map: Enable the E-Map mode; please refer to E-Map Chapter



Monitor (TV Wall): Enable the Monitor mode, please refer to Monitor Chapter



Disable Alarm Notification: Disable or enable the alarm sound.



Snapshot: Take a screen photo of currently selected camera screen.



Setup: Switch to the CMS Setup page. Please refer to the CMS Setup chapter



View Log: Open the log of System and Alarm list.



Alarm List: List of the 50 latest alarm messages. Click on the highlighted event to acknowledge the alarm.



Logout: Logout the current to switch to another log in user.



Exit: Close the CMS server system.
Hot Key

Alt + Enter: Switch the Camera display area to Full-Screen.



Camera Live Window



No Device

No Device picture appears when a camera device has not been installed to this channel or the installed camera cannot be detected by CMS.



Video Loss

Video Loss picture appears when there is a disconnection between CMS and camera or the camera is broken.



Device Directory 😑 🖳 All Cameras(4) All Cameras: It will show all cameras which are auto-detected by the CMS. 🖄 Camera-01 Click on the camera icon to view live video display on the right side. 📸 Taiwan 🔡 bs-2 Right-Click the mouse button on the camera will allow you to 1001(1) setup the camera. All NVR 📄 ALL Monitors All NVR: It will show all the NVR (Network Video Recorder) devices which are auto-detected by the CMS. Right-Click the mouse button on the NVR will allow you to reboot or shutdown the NVR. All Monitors: It will show all the monitor devices which are auto-detected by the CMS. Except the directories tree of auto-detected devices, the system allows you to create your own device groups* to manage all the devices on the system. For device group settings, please refer to the Chapter 7 CMS – Setup Menu. Sequence

* All Cameras does not count as a group. Only the customer defined groups can start up the Monitor (TV Wall) function. .

*All Cameras only shows all the cameras which were auto-detected by CMS system.

Sequence

Sequence	
----------	--

Sequence rotates and plays camera groups in every designed time frame.

- 1. Click **Sequence**, check boxes of the group you wish to play, and then select the time interval (5-60sec/min/hr).
- 2. Click Start Sequence to start or click Exit to cancel.
- 3. Click **Stop Sequence** to return to normal live view.

Interval	5	•	sec	
	Start S	equen	ce	
	E	Exit		

Screen Display



Supports the 4/8/9/10/13/16/25/36/64 display (CMS Lite version supports 16 display, Hybrid 16 version supports 36 display, Hybrid 32 version supports 64 display)

For Full-Screen Display, please help to click directly on the desired channel to select, and then click again to switch to full-screen. Click again to return to the previous screen display.

Hide Cameras on the Live Screen

Drag and drop one channel to the **Camera Directory** to remove channels from the live screen. There are two ways to include the channel back to the live screen:

- 1. Double-click the camera icon on the Camera Directory.
- 2. Drag and drop the icon back to the live screen.

Organize Cameras on the Live Screen

Drag a channel and drop it on the position on the live screen to re-organize the order of the channels.

Shortcut to Device Settings, PTZ

Moves the mouse to the camera picture, then presses down the mouse right key to choose "Settings", then may enter the camera directly the setting menu; enlarges after the camera picture, presses down the mouse right key to chooses "Move Image", then may adjust the picture's display area horizontally, press down a time mouse right key then to cancel the towing again.



PTZ Icon 蜝

RS485 Control

Please ensure the RS485 Control box is checked in the Setup page





PTZ Protocol: Support Pelco_P, Pelco_D, Bosch, VC, Panasonic, TX1 and Kalatel. **Baud rate:** 1200, 2400, 4800, 9600, 19200

Click Preset to extend the window as below:

× ×	1 🗸	Stay Time(sec): <mark>5 📚</mark>
	Set	Add	No. Stay Time
Q+Q-	Go	Edit	
×+×-		Del	
	OSD	Save	6
		Run	
Preset		Stop	
, Speed = 0			

- For PTZ position setup, you may store up to 256 angles: Position the angle by using the PTZ joystick controller, select Preset # and then click "Set" to save the changes. After the first setup, you can adjust the camera to pre-set angle by selecting the Preset # and click "Go".
- PTZ OSD Setup: The majority of the Speed Dome in the current market has OSD preset value at 95. Please select 95 for preset value, click Go and then click OSD to call out OSD window.

Note: If you were not able to call out the OSD window, please refer to the manufacturer's camera user manual.

Using the PTZ joystick on the CMS to operate the OSD window. Click ☆ + to enter and click ☆ - to close the OSD window.

Listen 🔊

Click the listen icon on a live channel to enable the **Listen** function. Click again to disable the function. Please make sure the **Audio In** box of this device is checked when you setup this **LAN Device**. (See <u>Chapter 7 CMS – Setup Menu</u>) for LAN Device setup.

Broadcast 🍂

Click the **Broadcast** button to transmit audio to the selected device. Click again to disable the function. Please make sure the **Audio Out** box of this device is checked when you setup this **LAN Device**. (See <u>Chapter 7 CMS – Setup Menu</u>) for LAN Device setup.

I/O Device 🧼

You could click the icon on the channel you want to control to open the I/O control panel (See <u>Chapter 7 CMS – I/O Device</u>)

Alarm In 🔎

Click Alarm In button for disable this function.

Alarm Out 🗢

Click Alarm Out button for TTL signal output.

Snapshot



CMS can take and save a single screenshot at the maximum resolution for the selected channel. Click a channel on the live screen and then press **Snapshot** button to save the image as a JPG file. To view or change the image folder, go to **Setup, MISC** to update the **Snapshot Folder**. (See <u>Chapter 7 CMS – Setup Menu</u>) for MISC.



Click on View Log button to open User Log or Alarm Log.

- 1. User Log: User Log documents the user access information
- 2. Alarm Log: Alarm Log allows you to see all events with camera name, alarm type, start and end time.
 - Double-click the alarm log to start the video/audio playback. Click Cancel to exit.

Alarm List



Alarm List shows the 50 latest alarm messages. Click the highlighted event to acknowledge the alarm. Check **Popup when Alarm Occurred** box to bring up Alarm List when an alarm is triggered. You may update the status of the new alarm to Unresolved, Resolved or Pending. Once the status is updated, the event will be removed from the Alarm List. To further update the status of the alarm event, you will need to go to Alarm Log which contains the full list of alarm events.





Click the Logout to change the user.



Click the Exit to close the CMS.

Chapter 5 CMS – Setup Menu

LAN Device



For the first-time login, CMS will detect automatically and display all devices on the screen.

If it is not the first time launch, the previous connected devices will show on the Device List.

1. Device Auto Detect: This is the default setting of the system.

Search Refresh Search button detects and adds new devices to the Device List.

Refresh button updates the Device List and removes unavailable devices.

There will be many kinds of devices of the LAN Devices, such as Video Server, IP-Camera, Video Matrix Decoder and Network Video Recorder, etc.

Please note that all settings of the unavailable devices will be deleted.

Click on each device to edit its settings including name, functions, image quality and alarm. Click **Save** to confirm the update and exit device setup.

2. Manual Detect Device: Unchecked the 🔽 device auto detect

box to enter the Manual Detect screen.

		9 2 10			2011/02/17 14:56:23
	Device	list			
	Туре	MACAddre Title	IP	Port L	
LAN Device					
WAN Device					
Device Group	Total D	uico (60)			
E-map	Type	Mac Address	Name	Select	
Alarm Schedule	Storage	6CF049AAA3D2	15HD-6		Westerne
Recording Schedule	Storage	6CF049AC6E79	NVR-01		
E-Mail	Camera	0040A2500BED	Cam1-2M03		
User Management	Camera	0040A2D40130	Cam9-2M32		and a section of the s
Misc	Monitor	0040A2FE060E	NMD		
Advance	Camera	0040A2500C04	Cam1-2M05		A Martin and A Constant
	Camera	0040A2D40176	Cam9-2M06		Cam1-2M03
	Storage	1C6F653CB8D8	NVR-03		
	Camera	0040A2D40098	Cam9-2M36		
	Camera	0040A2D4018F	Cam9-2M04		
	Camera	0040A2D4019D	Cam9-2M35		
	Camera	0040A2D40188	Cam9-2M14		
	Camera	0040A2500C03	Cam1-2M07		
	Camera	0040A2500BF0	Cam1-2M06		
	Camera	0040A2D4017B	Cam9-2M11		
		Scan	Select All	Clear	Ok Exit
	Ad	d Modify Re	emove Import	► Scan	☑ Alarm when device is disconnected
1. Click Add	to man	ually inpu	t device	informa	ition.
		say import		morma	

- 3. Click Scan to manually select devices that you wish to display on the current system.
- 4. Click Remove to manually remove device from the list.

Video Server / IP Camera

Setting					
Title Faraday V	GA	~	Motion Setup		
Video Control			Motion		
Resolution	: VGA	~	ball .		
Picture Quality	. High	~	and an allow of		
Record FPS	: 5	~			
Mode	InDoor	~		1	
			Had -		LE
Video Source	NTSC	~			
Video Quality				1 A	
Brightness(0) <		TO SE /	RA	
Contrast(40) < 🚺	>	KON PE	1 Sto	
Hue(0) 🖌			And a state of the	
Color(60		>	Conco(4)		
Silaipiless(40			001100(1)		· 00
Options Uideo Loss D Audio In Audio Out Noise Reduct Change RTSP Log	etection tion	J	Alarm In Name: Alarm Out Name: RS485 Control RS485 9600	PTZ Pe	ed Enabled NO o to preset: None Enabled (co_P CH 1
Userr	iame:		Pa	ssword:	
Alarm Notification	_				1
	Buzzer	Audio	Audio File		Duration(Sec)
Motion Alarm:			Default		5
Sensor Alarm:			Default	🕨	5
VLoss Alarm:			Default	🕨	5
			Apply	Save	e Cancel

Title: Rename the device. Host will update the device name accordingly.

Video Control Setup: You can adjust image quality of each camera on the **Video Control** section. Click the camera icon and then adjust image quality if needed:

- Resolution (1280 x 720, 1600 x 1200 */ 1280 x 1024 * / D1 / CIF / VGA)
- Picture Quality (High/ Normal/ Low)
- Record FPS (1 / 2 / 3 / 5 / 15 / 30)

- Mode (Indoor / outdoor)*
- Video Source (NTSC / PAL)*

*Mode option is only available for VGA device.

*Video Source option is only available for VGA, 1.3M and 2M device.

*1280 x 720, 1600 x 1200 is for 2 mega Pixel IP camera; 1280 x 1024 is for MEGA Pixel IP Camera.

Video Quality Setup: On the Video Quality section, you could adjust Brightness, Contrast, Hue, Color or Sharpness to the scene environment.

Option:

Check the box of Video Loss Detection to detect any video loss.

Check the box of Audio In to enable receiving sound from the camera.

Check the box of Audio Out to enable transmitting sound to the camera.



Motion Setup

- Click is to frame the motion area. Left-click on the screen and move the cursor to frame the desired area for motion zone. Each Camera can be set up to four (4) detection zones. You can adjust the zone size and drag it to the desired position.
- Select the detection zone you want to delete and
 Click to delete it.
- 3. Adjust the sensitivity of the detection.(1-10; 10: highest sensitivity)

Alarm In and Alarm Out Setting

- 1. Insert name and check **Enable** box. This name will be shown on the E-map.
- 2. For Alarm In Setting, click NC button to switch to NO when needed.

Alarm In Name:	🗌 Installed 🔲 Enabled	NO
	Go to preset: None	. 💌
Alarm Out Name:	🗌 Ena	abled

I/O Device

Click the

```
IO Device
```

will open the 4IN/4OUT RS485 I/O controller setup page for current video

server.

In	Out
NO	Toggle

And then you could click the click the icon on the channel you want to control to open the IO control panel.

	In	Out
V	NO	Off
	NO	Off
	NO	Off
	NO	Off

RS485 and PTZ Control

- 1. Check on the box to enable the PTZ control function.
- 2. Protocols supported by CMS currently are: Pelco_P, Pelco_D, Bosch, VC, Panasonic, TX1 and Kalatel.
- 3. Baud rare supports 1200, 2400, 4800, 9600, 19200.
- 4. Channels defined as the ID which can support ID1 to ID255 devices.



Acknowledge Alarm Event

When a motion alarm is triggered, the system will automatically start recording.

To acknowledge a motion alarm, click the flashing icon $|\uparrow|$ on the live screen.

You may also have a quick view of the last 50 events from Jar Alarm List.

Check **Popup when Alarm Occurred** box to bring up Alarm List when an alarm is triggered. You may update the status of the new alarm to Unresolved, Resolved or Pending. Once the status is updated, the event will be removed from the Alarm List. To further update the status of the alarm event, you will need to go to **Alarm Log**, which contains the full list of alarm events.

Alarm Notify

- 1. Motion Alarm: Could define the sound type and the duration for each single camera.
- 2. Sensor Alarm: Could define the sound type and the duration for each single camera.
- 3. VLoss Alarm: Could define the sound type and the duration for each single camera.

	Buzzer	Audio	Audio File		Duration(Sec)
Motion Alarm:			Default		<u> </u>
Sensor Alarm:	•		Default		· · · · · · · · · · · · · · · · · · ·
VLoss Alarm:	V		Default		J [30

Monitor (Video Decoder)



Monitor helps you to setup the **Video Wall** or **Video Matrix** with the monitor output devices auto-detect by the CMS server. Each Video Decoder has up to quad-screen display. With the **Sequence** display function, it could display up to 64 cameras.

Setting

1. Go to **Setup** page

and select monitor device from the **Device List**.

You may enter **Monitor Mode** and right-click monitor icon to go to the **Setup Menu**.

2. Setting Page:

Select devices from the **Camera List** and then click is to add to the selected **Display**

Cameras List. You may drag and drop camera from the Camera List to Display Cameras List.

Then check on the cameras on the **Display Cameras** List. You may re-arrange the order of the

camera by using



CMS – Setup Menu



Video Title: User is able to key in or modify the device title.

Video Type: Select the display type of output device, NTSC or PAL.

Output device: Allow you to change the output setting when you are connecting the Video Decoder with a different output such as VGA, or HDMI.

Sequence Duration: To setup the duration time for display when using the Sequence function.

The Monitor device will display each camera by the time interval of the **Sequence Duration**.

- Mode: Select 1X1 for full-screen display or 2X2 for quad-screen display. The yellow highlight of the cameras is for the ease of review for 1X1 or 2X2 group display. You may use to rearrange cameras between groups.
- Alarm Display: Check this box to enable auto-switch to live view of the alarmed camera. The screen will automatically switch to live view and return back to TV Wall until the alarmed is cancelled.
 - **Display by Group**: Check this box to only enable auto-switch to live view of the video wall which the alarmed camera belongs to.
- **Duration**: Select the duration of the display of alarmed camera. Select **Always** to continuing display alarmed channel until the alarm is manually acknowledged.

RS485 Baudrate : Select the corresponding Baud rate for the RS485 device.

Network Video Recorder

Title	Default	0 🔿				
Reco	rding Camera					
Reco	rding Camera	C	lear	Available C	amera	Add All
Cam	iera			Camera		
	D-449(449)			Cam	One MT9M131	
	D-450(450)		=	Cam	One OV7725	
	D-451(451)			🔲 МТ9М	1131-1.3M	
	D-452(452)			C VGA		
	D-453(453)					
	D-454(454)					
	D-455(455)					
	D-456(456)		_	_		
	D-457(457)		_			
	D-458(458)		_	-		
	D-459(459)		_			
	D-460(460)		_			
	D-461(461)		_			
	D-462(462)		_	_		
	D-463(463)		_	-		
	D-464(464)			-		
	d Alarm Buzzer Duration: 0	C 8ec (0	: unlimite	rd)	Stop Buzzer	
					Save	Cancel

Title: Rename the device. Host will update the device name accordingly.

Recording Camera: You may drop the camera icon from the Available Camera list to Recording Camera list for recording.

- **Clear**: This button clears **Recording Camera** List and stops NVR recording. All cameras will stop recording disregarding the recording schedule you have set up.
- Add All: This button adds all camera icons from Available Camera list to Recording Camera list.

- **HDD Alarm Buzzer**: Check this box to enable alarm buzzer when the HDD is malfunctioned or crashed. Adjust **Duration** for length of alarm buzzer time.
- Save: Click this icon to save all updated setting of this page.

WAN Device

The WAN Device option allows you to connect the remote IP camera through the Internet.



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When you clicked the Add or Modify the WAN device settings menu will

pop-up, then please select the of Camera.

Domain :	122.116.169.208
Port :	34172
	Test
Login :	admin
Password :	*****
Confirm :	*****
Type :	Camera

Input the Domain of the RemoteCMS server and the port which was assigned to the remote IP camera, also the login account with password of the RemoteCMS server.

(The Domain information could be found on the "**Misc**" page)

		2009/11/02 18:00:08
	Version Version 2.0.0.8	
	language	
LAN Device	Language English	
WAN Device	Snapshot Folder Destination Path: E\Program Files\DVR\CMS\Canture Browse	Open
Device Group	PTZ Controller	
E-map	Enable PTZ Controller	
Alarm Schedule		
Recording Schedule	Time Settings Properties of Date and Time	
E-Mail	✓ Calibrate NVR Time	
User Management	Web Server	
Misc	Enable Port: 80	
Advance	Audio Device	
		1
	Domain: UUTU/UUU4A27. homepius-tii. het	
	CMS-Server	
	Copyright(C)VisionSoft International Inc., 1992-2009.	

The port information could be found on the RemoteCMS server while you move mouse over the IP camera.



For example:

- The IP address we found for the camera is 192.168.2.178 and local port is 34000.
 You can use 34000 plus the 178, and then it would be 34178. This number will be the WAN device port information for people to connect remotely.
- 2. After input those information then use the <u>Test</u> button to test the connection, if the connection is ready then the MAC Address of the remote IP camera will show.
- 3. When the test was done then please presses _____K to add or change the IP camera's settings.

After all the remote cameras connected, you can manage and adjust setting of the cameras. About the settings please refer to the **LAN Device** settings pages.

Device Group

Device group allow you to add and define the groups for all the devices, for you to management the cameras, monitors and network video recorder more convenient.



- 1. Add a new group by clicking **Add Group** Add Group
- 2. Click on **Remove Group** to delete the selected group. Remove Group



Move the selected camera up in the order.



Move the selected camera down in the order.

5. Select one device from the **Device List** and then click

to add to the selected Group List.

6. To remove devices from the Group List, select the desired camera and then click

E-map

E-map helps you to installed cameras and devices from a floor map.

You could set up one E-map for each camera groups.



- 1. Select a device group.
- 2. Click the link on the screen or click **Import Map**. Choose a map file from the folder to upload or update E-map. The map format could be BMP or JPEG.
- 3. Locate devices on the E-map
- Drag and drop device icon to the desired location. Camera with Alarm In and Alarm Out settings will have an Alarm In icon and an Alarm Out icon next to the camera icon. (For the settings, please go to **Alarm In and Alarm Out Setting** in this chapter)
- To relocate the device, simply drag and move the icon on the E-map
- * Once the E-Map setting of the device groups is done, we can enable the E-Map mode on the Live-View.

Alarm Schedule

CMS allows you to set up a schedule to for motion and sensor alarm.



- 1. Select one device from the **Device List**.
- 2. Select alarm type tab: Motion, Sensor, or I/O Device.

3. Setup Alarm Schedule

Draw time bar to schedule alarm activation for each camera.

Example: 08:00 - 18:00 Sunday REC

```
Sun
```

- 4. **Import From**: Click **Import From** to apply other camera's schedule to the current selected camera.
- 5. Apply To: Click Apply To to apply current camera's schedule to other cameras.

Recording Schedule

Recording Schedule function is only available when there is connecting with the NVR.



1. Hard Drive Selection:

Select the Hard Drive you want to save for recording video/audio files.

CMS will display the Estimated Total Hard Drive Storage automatically.

- 2. Setup Storage Space: At least 1GB shall be reserved for REC.
- 3. REC Speed Setting: Recording speed: 1~30 fps for the cameras
- 4. Full Speed Recording When Alarm

Check on the box to enable Full speed recording (30fps) when alarm.

5. REC Schedule Setting

Draw time bar to schedule and enable video/audio REC for each camera.

Example: 08:00 - 18:00 Sunday REC

Sun

6. Storage Space Check

During the schedule settings, the system will automatically display the required Hard Drive Space.



The following message will pop up if the estimated space has exceed the allocated hard drive space

Please note that the estimated required space has exceeded the maximum space allowed for recording. Home+ will be using the recycle technique



1. Please make sure that the designated Hard Drive space is greater than the estimated space for recording, we do not recommend to set up the recording space on the Drive C:.

2. It will do recycle recording while the recording space is full.

	Pr	e-Alarm	OFF	🖌 🛛 Alarm	30(sec) 🔽 🗖	Keep F	Recording Until End of Alarm.
		Speed	30 💌	🔽 Full Speed Re	ecording When Ala	rm Oco	ured
	Hard Driv	/e Settin	igs:				
	Drive	Т	otal Space	Recorded Space	Free Space	M	
	C:	74	.5GB	0.00GB	55GB	Fu	Full
	🗹 D:	74	.5GB	0.20GB	40GB	Fu	1 011
\mathbf{N}	🔲 R:	11	9.7GB	0.00GB	3GB	Fu	Up To 52 C GB
	<					>	

Alarm Recorder

Pre-Alarm Save the footage (0-10 second) **before** the alarm.

Alarm Save the footage (up to 60 second) **after** the alarm.

The default recording time is 30 seconds.

Check the" Keep Recording until End of Alarm" up; CMS will not consider the settings of "Pre-Alarm" and "Alarm", CMS will record "Pre-Alarm" 10 seconds and "Alarm" 60 seconds.

Camera-07 Camera-07 Camera-06 Camera-05 Camera-04 Camera-03	
Camera-06 Camera-05 Camera-04 Camera-04 Select All Deselect All	
Camera-05 Camera-04 Camera-03 Select All Deselect All	
Camera-04 Camera-03	
Camera-03	
Select All Deselect All	~
	Deselect All

Click **Clear** to remove checked cameras' schedules. Select the desired cameras and then click OK.

Camera-03	-
Camera-03	
Camera-02	
Camera-01	

Click **Import From** to apply other camera's schedule to the current camera.

CMS – Setup Menu

Camera-07	
Camera-06	
Camera-05	
Camera-04	
Camera-03	-
Camera-02	-
Select All Deselect Al	I.

Click **Apply To** apply current camera's schedule to other cameras.

Click on the Hard Drive Status will pop up the Recording Information window.

It will list all the Hard Disk information on the list

Idd No	Hdd Name	Total Size	Free Space	Records Used	Max Size	Percent	Status
Local Re	cording						
1	IP Video(E:\)	61.15 GB	2.00 GB	59.60 GB	Full	96.73%	Recording
							Close

HDD No	: By the HDD attached order.
HDD Name	: As Windows system default.
Total Size	: Add total size which depends on the HDD spec.
Free Space	: The space left.
Records Used	: The space which the recorded files had already taken.
Max Size	: The size of the HDD which you defined for recording.
Percent	: The HDD percentage of the recorded files.
Status	: The recording status of the HDD.

E-Mail

				2010/12/15 17:03:44
	Sender Email Account Info Name:	Example: Name:	Central Management Server	
LAN Device	From: SMTP Server:	From: SMTP Server:	CMS-Sample@CMSSampl CMSSample.com	
WAN Device	Login:	Login:	CMSSample	
Device Group	Password:	Password:	****	
E-map	Import From Outlook Express:			
Alarm Schedule	Import			
Recording Schedule	Import			
E-Mail	Send a Test Mail:			
User Management	Send			
Misc	Send mail if alarm occurred			
Advance	✓ Attach Alarm Image			
	Subject:			
	Recipient Addresses			
	Add Mail Address Remove Mail Address			

 Input user (sender) name, sender's email address, sender's SMTP server and sender's email account's user name and password.

If you have Outlook/Outlook Express installed on CMS already, click **Import** for email account information.

- Send Mail if Alarm Occurred: Check this box to enable email notification when an alarm is triggered.
- 3. Attach Image: Check this box to attach alarm image to the email notification.
- 4. Enter a subject for your email in the **Subject** field.
- 5. Click **Add Mail Address** to insert and add recipient email address.

Select existing email address and click **Remove Mail Address** to remove.

6. Click <u>Send</u> to send a test message.

User Management

User Management helps establishing authorities for each user and group.

			2010/12/15 17:03:53
	User list	Group Privileges	
	Gr Administrator Gr Operator	LAN Devices Sett WAN Devices Set Group Settings	ings tings
LAN Device		EMap Settings	ula Sattings
WAN Device		☐ Recording Sched ✓ Misc Settings	ule setulitys
Device Group		 Advance Settings Playback View 	
E-map		EMap View	
Alarm Schedule		✓ Mail Settings	
Recording Schedule		View User Log	
E-Mail		🗌 Delete Logs 🔲 Set Alarm Schedu	le
User Management		PTZ Settings PTZ Control	
Misc		Shutdown NVR	lorm Been
Advance		Exit System	апп веер
	Add Group Add User R	emove Change Password	pecifically for User
1. Add Group	Add Group : Click A	dd Group to create a new grou	р.
Add User	Add User : Select a	user group you want the new us	ser to be under and

click Add User to create a new user, and Password

- 2. **Remove** Remove : Select a member or group and click **Remove**.
- 3. Change Password Change Password : Select a user and click Change Password to update user password.
- 4. Privileges Group Privileges / Live View Privileges : Select a user group, check or uncheck the privilege boxes, and then click Save to confirm. Please note that all changes will apply to all the users in that associated group.

Miscellaneous

Miscellaneous page listed the language settings, PTZ settings, SNTP settings and etc.

		2011/02/17 11:37:47
	Version Version 2.0.76.11	
LAN Device	Language TCP PORT LISTEN 6741	
WAN Device	Snapshot Folder	
Device Group	Destination Path: C:\Documents and Settings\TX\Desktop\CMS-16 NoLogo\Green\Capture Browse	Open
E-map	PTZ Controller	
Alarm Schedule	Enable PTZ Controller Rez232 CTCP CODP	
Recording Schedule		
E-Mail	Properties of Date and Time	
User Management	Calibrate NVR Time	
Misc	Web Server	
Advance	✓ Enable Port: 80 Ex: http://192.168.3.254/	
	Audio Device Paabled Speakers/Microphone and set volumn to maximum Domain: CMS-Server	
and the second second second second second second	Copyright(C)VisionSoft International Inc., 1992-2011.	
	CMS-Server Copyright(C)VisionSoft International Inc., 1992-2011.	

- 1. Version: It will show the version of CMS.
- 2. Language: Scroll down the language bar and select the language for the system.
- 3. **TCP PORT LISTEN**: The default port for remote connection is 6741. Please change the Port if needed.
- 4. **Snapshot Folder**: Click Select and choose a folder for the saving the snapshots.

Click Open to view saved snapshot images.

- 5. Enable PTZ Controller: Check on the box for enabling the PTZ controller feature Port, Baud rate.
- 6. **Time Settings**: Check on the box to synchronize, automatically an internet time server.
- 7. Web Server: Check this box to enable web server to connect to CMS.
- Audio Device: Check this box and the CMS server will output audio with connected speakers while the CMS server got alarms.

Domain shows the domain name which this server had registered.

CMS – Setup Menu

Advance

		Tes)						2011/02/17 11:38:09
	Firmware Upgra	de						
	FW Path:					Bytes		
LAN Device	Camera IP:	Name	MACAddress	IP	Version	Progress		Update
WAN Device		Cam9-2M40	0040A2D401	192.168.3.108:34000	4.12.9.64h			Reset
Device Group		Cam1-21009	0040A2500C 0040A2D401	192.168.3.63:34000	4.12.0.64h 4.12.9.64h			Reboot
		Cam9-2M08	0040A2D401 0040A2D401	192.168.3.81:34000 192.168.3.91:34000	4.12.9.64h 4.12.9.64h			
E-map		Cam9-2M35	0040A2D401	192.168.3.103:34000	4.12.9.64h			
Alarm Schedule		Cam9-2M13	0040A2D401 0040A2D401	192.168.3.86:34000 192.168.3.75:34000	4.12.9.64h 4.12.9.64h			
Recording Schedule		Cam1-2M13	0040A2500C	192.168.3.67:34000	4.12.0.64h		~	
E-Mail	Disable W	indows Taskhar. St	artMenu and Task	Manager				
User Management				managai				1
Misc	🗹 If a DHCP	server present in th	e network, chang	e the network setting to d	hcp mode (instea	ad of static IP)		
Advance			(ada		Dealer	OMB 8-#1	De ete	010 010
-	Proprietary Mode ORTSP Mode Backup CMS Settings Restore CMS Settings							bre CMS Settings
	Power off /	After System Exited	1		Show Liv	e Screen Before	Login	
		Power of Arter System Exited						
	Realtek PCIe	GBE Family Contr	oller - Packet Sch	eduler Miniport				
	Static IP Default Gateway Preferred DNS Server Alternate DNS Server							
							_	

- Firmware Update: You can update the selected cameras with Firmware Update.
 Enter the FW path, check the boxes of the cameras you wish to update, and then click Update.
- 2. **Reset**: If you encounter IP conflict after LAN setup, you may reset your whole system to the initial status. Click Reset button to reset the system.
- 3. **Disable Windows Taskbar, Start Menu and Task Manager**: Check on the setting to disable the keyboard "Windows" button, disable the "Start Menu" pop-up function, and disable the "Task Manager" function.
- 4. If a DHCP server present in the network, change the network setting to dhcp mode (instead of static IP): If in the network there is a DHCP who allocate IP, then system will automatically change network setting to DHCP mode.

5. Proprietary Mode/RTSP Mode:

Proprietary Mode: This is the default mode that CMS do internally communicate with our products. **RTSP Mode:** This is the convenient mode that all hardware and software are able to do independently communicate together with supported RTSP without using CMS.

- Backup CMS Settings : Save the backup file (.bak) to the desired directory.
 Restore CMS Settings : Import backup file (.bak) to the current CMS. The system will automatically restart.
- 7. **Power off After System Exited:** Check this box to power off the system when users exit the system.
- 8. Show Live Screen Before Login: Check this box to enable system to display live screen before login.
- For LAN network without DHCP, please uncheck the option of "If a DHCP server present in the network, change the network setting to dhcp mode (instead of static IP)", and then insert information such as Static IP and Default Gateway.

Chapter 6 CMS – Playback Mode

Playback function is only available when there is connecting with the NVR.

When you click the Playback button on the control panel on the top of Live View Screen, it does

pop-up the window for you to select Play NVR Records / Play Local Records / Exit.

Then the CMS server will connect to the video recording database and display all the recorded video flies of the cameras from NVR or Local server

Note: CMS-Ultimate must connect to the extended storage devices (No Local Records) and it does not pop-up the window below the picture.

O Play	NVR Records			
	NVR-01			
			 vont l	
			 venti	ayer
Playba	ack Time			
0.5.4		5		
OExit				

Then the CMS server will connect to the video recording database and display all the recorded video flies of the cameras from NVR or Local server according to the recorded video images from the cameras which you have selected might be different from Live-View.

The Playback mode of the CMS helps you to easily display those channels which you want to review by group.

- Group By: Auto
 The system will display the cameras according to their names consequential order (warehouse-1, warehouse-2, warehouse-3 ... etc.) to play back. You can click on each group title to play the recorded image simultaneously in channels of 4, 9, 13, 16, 32 and so on.
- 2. Group By: NoSort Creation : The system will display the cameras randomly (warehouse-1,

purchase-2, production-1 ...etc.) to play back. You can click on each group title to play the recorded image simultaneously in channels of 4, 9, 13, 16, 32 and so on.

3. Group By: Device Group : The system will display the cameras according to

their GROUPS' consequential order (Group-1, Group-2, Group-3 ...etc.) to play back. You can click on each group title to play the recorded image simultaneously in channels of 4, 9, 13, 16, 32 and so on.

Basic Playback



3. Click on the play speed bar to adjust the speed (1X, 2X, 4X, 8X) of playing the footage.

1X	<
Speed	

Time Search Playback

- 1. Click Time Search button 🕒
- 2. User can input the desired start time, or click **Advance** to setup a time range to search

	2010 🤶 /	8 🗘 /	13 🔷
	13 🔪 :	52 🔶 :	20 🔶
End Time	9:		
	2010 🔷 /	8 🔷 1	18 🔶
	11 🔪 :	6 🔷 :	42 🗘
	Normal	OK	Cancol

3. Click **OK** to start.

Event Playback

1. You can easily watch all alarmed videos with Event Player. Click on the icon

the icon



the Event Player for motion and sensor alarm events.



- Motion: To search for motion alarms from the alarm log, left-click and right-click mouse to search for the previous and next alarm accordingly.
- Sensor: To search for sensor alarms from the alarm log, left-click and right-click mouse to search for the previous and next alarm accordingly.
AVI Export

1. Click AVI button, and Key in Time Range.

Start Time : 2010 0 1 13 0 : 5	8 / 13 - 2 : 20 -	End Time : 2010 / I 11 / :	8 v / 18 v 6 v : 42 v
Camera	MAC Address		
CamOne MT9	0040A25001F4		
MT9M131-1.3M	0040A250017C		
VGA	0040A250017D		
			A Real Property lies and the
Hard Drive	~		
Select Directory for E	Export :		
DA			
Export	Player		
		Start	Exit

- 2. Then select the directory where you want to save the exported files.
- 3. Click "Start" Start to execute the command.
- 4. When the "Finished" is showed on the status bar, then, the AVI export is completed.
- 5. Then click the "exit" to leave the AVI Export
- Note: The exported AVI file has to be played by CMS Player and could not be played by Windows Media Player. For first time CMS Player installation, check on the "Export Player" box. Selected footages will be saved under the designated directory and the

CMS Player will be installed and a shortcut

t CMS Player

will be created on the Windows

Desktop.

Playback Main Menu Buttons



Click Live button to return to CMS Live mode.

Listen



Select one channel and then press **Listen** button to play the recording. Click again to disable the f unction. Please make sure the **Audio In** box under **LAN Device** is checked.

Image Editor



CMS can take and save a single screenshot at the maximum resolution for the selected channel. During playback, click the **Image Editor** button to call out the image editor. You may zoom in/out of the image, adjust image resolution (manual, optimized, or default setting).



OPTIMIZE: Auto adjust the picture settings.

DEFAULT: Restore the default settings of pictures.

PRINT: Print the picture.

SAVE: Save picture to file.

CLOSE: Close the image editor.



LVC can take and save a single screenshot at the maximum resolution for the selected channel. Click a channel on the live screen and then press **Capture** button to save the image as a JPG file. To view or change the image folder, go to **Setup, MISC** to update the **Snapshot Folder**.

Smart Search 🔮



Smart Search provides a narrower search function.

Note: CMS-Lite free software does not support this function.



- 1. Select channel from the Playback page that you would like to search on.
- 2. Click on Smart Search icon to pull out the Smart Search page.
- 3. Left-click on the screen and move the cursor to frame the motion detection area.
- According to the sensitivity and detect object ratio, check on Dynamic or Static Object
 Search box. You may adjust the Sensitivity (1-100) bar and Detect Object Ratio (1-100) bar if

needed. Detect Object Ratio is the degree of changes of the framed area you selected in step #3. The higher the degree, the fewer results will be found.

- 5. Click **Start** to start searching. The search results will show on the right screen.
- 6. Use the Playback Control **• •** to play/backward/stop the video. You may double-click on one of the search results to play the footage on Playback screen.
- 7. Check on the **Manual Search** box for narrower search:
 - a. Select one result from the 9-grid screen and click Start Time. Select another result from the 9-grid screen and click End Time.
 - b. Click Expand to execute more detailed search.

Start Time 2010008/17 14:38:08 End Time 201008/17 16:01:42 Cameras: I Click View Log I Click Cancel to exit.	View Log [
Alarm Log allows you to see all events with camera name, alarm type, start and end time. 2010/08/17 16:01:42 Cameras: VAR VAR VAR VAR VAR VAR VAR VAR	Start Time	_	
End Time start and end time. 2010/08/17 16:01:42 Formation of the main menu. 2010/08/17 16:01:42 Formation of the main m	2010/08/17 14:38:08		arm Log allows you to see all events with camera name, alarm type,
2010008/17 16.01:42 Image: Cameras: Image: Cameras:	End Time	sta	art and end time.
 Adjust Start Time, End Time, Alarm Type, and Sort Order to filter the search. Click Refresh to confirm the criteria. Double-click the alarm log to start the video/audio playback. Click Cancel to exit. Click Cancel to exit. 	2010/08/17 16:01:42	1.	Click View Log from the main menu.
 Work and the search. Click Refresh to confirm the criteria. Double-click the alarm log to start the video/audio playback. Click Cancel to exit. Click Cancel to exit. Click Cancel to exit. 	NVR-01	2.	Adjust Start Time, End Time, Alarm Type, and Sort Order to filter
 3. Double-click the alarm log to start the video/audio playback. 4. Click Cancel to exit. 4. Click Cancel to exit. 4. Click Cancel to exit. 5. Double-click the alarm log to start the video/audio playback. 4. Click Cancel to exit. 5. Double-click the alarm log to start the video/audio playback. 4. Click Cancel to exit. 	MT9M131-1.3M		the search. Click Refresh to confirm the criteria.
Y D-473 Y Y D-477 Y Y D-483 Y Y D-483 Y Y D-487 Y Y D-499 Y Y D-501 Y Y D-411 Y Y D-503 Y Y D-411 Y Y D-411 Y Y Notion Y Y Disconnect Y Sort: Y Search Y Y Y Y Y Y Y Disconnect Y Descending Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	- 🔽 D-473	3.	Double-click the alarm log to start the video/audio playback.
Sort: Start Time Descending Search < 1/2 >		4.	Click Cancel to exit.
Start Time Search Search 1/2	Sort		
Descending Search	Start Time	~	
Search >	Descending	~	
< 1/2 >	Search		
	< 1/2 >	>	



Alarm List shows the 50 latest alarm messages. Click the highlighted event to acknowledge the alarm. Check **Popup when Alarm Occurred** box to bring up Alarm List when an alarm is triggered.

You may update the status of the new alarm to Unresolved, Resolved or Pending. Once the status is updated, the event will be removed from the Alarm List. To further update the status of the alarm event, you will need to go to **Alarm Log**, which contains the full list of alarm events.



Press the Setup button to go to the CMS setup page.

Screen Display



Supports the 4/8/9/10/13/16/25/36/64 display (CMS Lite version supports 16 display, Hybrid

16 version supports 36 display, Hybrid 32 version supports 64 display)

For Full-Screen Display, please help to click directly on the desired channel to select then click again to switch to full-screen. Click again to return to the previous screen display.

Chapter 7 CMS – E-Map Mode

E-map helps you to view the installed cameras and devices from a floor map of each group.



Camera: You could click the camera icon on the E-map and highlight the live video of that particular camera. Right click on the mouse button on the camera could directly see the small size camera image on the E-Map.





Alarm: When the alarm is raising the camera icon will display in red and the display of the live view screen will also jump to display the alarm camera image.



Motion: When the motion detect active the camera icon will display in red as the icon show and the display of the Live-View screen will also jump to display the alarm camera image.



Control I/O: Allow you directly to switch the I/O device on and off such as light.



GPIO: Allow you to control the attached nGIPO device – RS485 to extend the I/O control I/O to 4 devices for each nGPIO module.

The E-Map mode has two kinds of the display which due to you might use one monitor or dual monitors for the CMS system.

For Dual Monitors: There will be a separate display of both Live View and E-Map screens.



For One Monitor: The E-Map will become a Quarter-size window of the Live View screen.



Chapter 8 CMS – Monitor Mode

The Monitor let you to control the nMD (video decoder) on the system easily.



The configuration of monitors, please reference to the CMS Setup chapter.

- 1. Click **F** from the Main Menu control panel and enter Monitor Mode.
- 2. Depending on the monitor devices you attached to the CMS system, the monitor controlling menu will auto-adjust the displaying screen size.
- 3. Click on 🚯 to enter to setting page.
- 4. Click and drag the monitor on the screen to re-arrange the order of the physical monitors.
- 5. For Monitor setup, please refer to Chapter 7: LAN Device--Monitor Setup.
- 6. Click 避 to start the Sequence mode.

Single Monitor/Dual Monitor

The E-Map can be displayed in quarter-size window under Live-View screen or displayed separately on the second monitor for dual monitor system.

Chapter 9 RemoteCMS

Getting Started RemoteCMS

1. Login RemoteCMS

Double-click the RemoteCMS



icon to begin the software.

2. Connect	IP	122.116.169.208
	PORT	6741

Input the IP address of the server which you want to connect. The default port is 6741.

Address Book



You can save multiple RemoteCMS server IP addresses (up to 128 entries) to the Address Book. To save IP address:

1. Scroll down address entries (1-128) and select one entry #, and then click Edit.



2. Create a name for the RemoteCMS, input IP address and Port for the RemoteCMS. (See above instructions).

IP	
PORT	
PORT	

- 3. Click **OK** to save the entry.
- 4. Click Connect to connect.
- 5. In the future, you may go to the **Address Book** and simply connect to previous saved RemoteCMS without inputting the information again on the main menu.



Press the login Icon to open the login menu

Then, there will be a window pop-up. Insert Username and Password to sign in RemoteCMS.



Default Username: admin Default Password: 99999999

Note: Please go to



setup page for further connection setup.

Display Mode



It could be changed 1 / 4 / 9 / 16 screen display mode.

You may double-click on the selected camera to switch to full screen. To return to the original display mode, click on the screen once.

RemoteCMS Screen - Live Mode

Allow you to connect to the CMS server remotely, can even control the PTZ or I/O devices on the web based RemoteCMS application.

You could also right click the mouse button on the channel to open the TTL and PTZ control. It will allow you to open the device like alarm, light, etc.



Click the Icon can snapshot the current channel.

Disable Alarm Notification 🍕

Disable or enable the alarm sound.



Click the Exit Application to close the RemoteCMS.

RemoteCMS Screen - Playback Mode

- 1. Please click the icon on 🔐 the RemoteCMS live mode to enter the remote play back mode.
- 2. Select the date/time of the recorded video/audio by clicking the scrolling arrow
- 3. Click Search button Search
- 4. Playback Control



Fast Fast Backward Forward Stop

Notes: Because the data of remote playback was gotten from the local CMS site.

We have to consider the bandwidth between local and remote side via Internet transmission. We recommend to do remote play back function fewer than four channels at the same time for better video performance.

5. To export and save the footage as AVI format, click

AVIEXPO and then

select the desired folder.

	0K
Open Folder	Cancel

Select the footage time frame.

2010/08/15 08:49:21		Frame = 68 free space = 82507 M			
44	•	-	Þ	••	End AviExpo

Chapter 10 LVC - Local View Client Settings(Optional)

LVC (Local View Client) software has the same installation, setting and operations as CMS. Please refer to CMS related chapters in this manual.

	Same as CMS
System Login	\checkmark
Live Mode	\checkmark
Playback Mode	\checkmark
E-Map Mode	\checkmark
TV Wall	\checkmark

Chapter 11 IE Remote Connection Settings

Directly use the IE browser to connect the CMS

CMS server provide WEB interface for users to use the IE Browser connecting to the CMS server. Users can use IE Browsers to watch and operate the cameras with their settings. The WEB connection settings list below:

 Close the setting page after the setting was done, and restarts the IE browser. Input the CMS server WAN-IP which you want to connect, as example <u>http://122.116.169.208</u>, the system will ask you to install the required ActiveX component, press the "Install" few time for each prompt.



2. Choose the "Install ActiveX Control" on webpage, then click the "Install" Button to accept the installation.

nternet Explorer - Security Wa	arning	×
Do you want to install this softw	are?	
Name: RemoteCMS.ca	ab	
Publisher: Telexper Inte	ernational Inc.	
More options	Install	Don't Install
While files from the Interne your computer. Only install	t can be useful, this file type c software from publishers you l	an potentially harm trust. <u>What's the risk?</u>

3. When the installation is installed successfully, the webpage will refresh automatically, and display the login-in dialog box.



4. After the components were be installed complete will pop-up a login window, Please input the user name and password which is allowed to login into your CMS server.

Default account is admin / 99999999, if login fail please press 🤹 to retry.

5. It will show the remote cameras on the screen if you login successful.



6. Click on one screen the frame will become green, right click the mouse on the screen to adjust the camera and control alarm out device as light and alarm.



7. Snapshot 🔯

Click a channel on the live screen and then press **Snapshot** button to save the image as a JPG file.

8. Zoom in/out

Click "+" zoom in and " - " zoom out.

9. Click

to enter Remote Playback Mode. The operations for the Remote Playback

Mode are the same as CMS Playback Mode. Please refer to prior chapters for detailed instructions.

Directly use 3G smart phone to connect to CMS

Our 3G phone viewer allows you to connect to your IP cameras without installing any software to your phone.

- For CMS version 2.0.76.11 or above.
- No software needed
- Supports iPhone, Android, Symbian OS
- View on any Internet explorer* that supports JAVA Script & Cookie
 *Note: For Microsoft IE, we support IE 6.0 and above.

Before you start, please make sure to set up port forwarding:

1. Port Mapping:

Under CMS's Misc page, please Enable Web server port 80.

- 2. **Disable** Default Website on your system's Computer Management:
 - i. On your PC's desktop, right-click on **My Computer**, and then select management.
 - ii. Under Internet Information Service, disable Default Web Site.

📮 Computer Management 📃 🗆 🗡					
Action ⊻iew	1 🗟 😫 🗍 💂				
Tree	Name	Path 🔺			
 Computer Management (Local) System Tools Event Viewer System Information Performance Logs and Alerts Shared Folders Device Manager Local Users and Groups Storage Disk Management Disk Defragmenter Logical Drives Removable Storage Services and Applications WMI Control Services Indexing Service Default FTF Site Default Web Site (Stopped) Default Web Site (Stopped) 	Scripts IISAdmin IISSamples MSADC IISHelp Webpub Luti_bin Printers ActInternetSync aspnet_client images Lprivate Lyti_cnf Lyti_log Lyti_pvt Lyti_script Lyti_txt Iglobal.asa InternetSide IISHelp	c:\inetpub\scripts C:\WINNT\System32\inet c:\inetpub\iissamples c:\program files\common c:\winnt\help\iishelp C:\Inetpub\webpub C:\Program Files\Commor C:\WINNT\web\printers C:\Program Files\ACT\AC			

3. Now open the internet explorer on your phone, and go to

http:// your CMS IP address /cellphone/ (For example, http://122.116.169.208/cellphone/)

 Log in with your CMS username and password.
 For multiple viewers, you could create different log-in accounts and manage the channels they are allowed to view. Go to Setup page under your CMS to create different log-in accounts.

Appendix A – Technical Support

If you still have questions about our products, you can contact the dealer you purchased from in your country.

Visit our website for more information.

Website:

E-mail:

Telephone :

FAX :

Appendix B – Warranty Information

Our company warrants Gigabit POE Hub and Network Commander Station against any defect in material and workmanship, under normal use, for a period of one year from the date or purchase. In the event this product is found to be defective within the warranty period, our company will, at its option, repair or replace the defective product.

This warranty is void if; a) the product was operated or stored under condition of abnormal use or maintenance; b) if the product is repaired, modified or altered, unless such repair, modification of alternation is expressly authorized in writing by our company) if the product was subject to abuse, neglect, lighting strike, electrical fault, improper packaging, or accident; d) if the product was installed improperly; or e)if the serial number of the product is defaced or missing; f) if the attached warranty card is not presented.

Our company will not, under any circumstances, be liable for direct, special or consequential damage such as, but not limited to, damage or loss of property or equipment, loss of profits or revenues, cost of replacement goods, or expense or inconvenience caused by service interruptions. Under no circumstance will any person be entitled to any sum greater than the purchase price paid for the products.

To obtain warranty service, you should first contact the vendor from whom you purchased your IP-CCTV products. You may be asked to furnish proof of purchase to confirm the products are still under warranty.

Your local distributor



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