

TRIDENT - CMS Lite

32CH Central Management System Software



Please read instructions thoroughly before operation and retain it for future reference. For video demonstration about CMS Lite operation, please visit AVTECH official YouTube channel <u>www.avtech.com.tw/seo/video</u> or scan the QR code on the right side.



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Further source codes which are subject to the GPL-licenses are available upon request. We are pleased to provide our modifications to the Linux Kernel, as well as a few new commands, and some tools to get you into the code. To get the codes, please write to <u>cmsservice@avtech.com.tw</u>.

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1. OVERVIEW

CMS Lite, the 32CH free software, is exclusively designed for monitoring multiple spots remotely on Windows operating system. Common applications are chain stores and branch offices. Users can easily use functions such as live view, playback and backup with this software installed on a normal laptop / desktop.



Note: For advanced central control applications, AVTECH provides you with 64CH CMS Plus and 96CH CMS Professional. What's more, there are 16CH EagleEyesHD and 4CH EagleEyes for remote surveillance through tablets and mobile phones.

This PC program is compatible with the following AVTECH products:

- 960H DVR
- TVI DVR
- All NVR
- 1.3MP / 2MP / 3MP / 5MP IP cameras

Note: It also supports the AVTECH cloud service to access the products connected via EaZy Networking.

Connect to AVTECH devices by LAN / WAN



Connect to devices which support EaZy Networking (AVTECH Cloud Service)



1.1 Specifications

System Requirements	Minimum Requirements	Recommended Requirements				
CPU	Celeron CPU J1900 or above	intel Core i5 above				
RAM	4GB	Above 8GB				
Graphics Card	Intel HD Graphics NVIDIA® GeForce® GT720					
Hard Drive Type	At least 500GB Above 1TB					
Network	Gigabyte Ethernet					
Operating System	Windows Vista / Windows 7 / Windows 8.1 / Windows 10 (latest service pack) with DX9.0c (latest service pack)					
Browser	Microsoft Internet I	Explorer 9 or above				
Resolution	At least 1366 x 768	1920 x 1080				
Architecture						
Total number of servers in the distributed system	1					
Total Number of Live View	32					
Multiple Monitor Display	1 monitor only					
Camera Management number (NVR / DVR / IP camera)	Unlimited					
Server & Client Mode	Client mode only					
Use Proxy Server Stream	YES					
Live View & Control						
Predefined Display CH Number	32					
Group View Display CH Number	36					
PTZ Control	Yes	Yes				
Digital PTZ Control	Yes	Yes				
Digital Zoom Ratio	1X ~ 11X					
Hotpoint Control	Yes					
Manual Record to PC/Lap	top & Audio Group					
Total Manual Record CH Number	32					
Record Mode	Manual / Event / Timer					
Audio Group	Yes					
Total Audio Group CH Number	16					
E-Map	-					
E-Map Function	Basic					
Playback and Backup						
Local Playback Channel	1CH					
Remote Playback Channel	16CH Max (DVR / NVR)					
Remote Backup	Yes					
Digital PTZ Control	1X ~ 11X					
Detail Check & Snapshot	Yes					
Footage Conversion	AVC / AVI					
Health Check						
Device Status	Basic					
Administration						
User Account & Privilege	Yes					
Windows Account Sync	Yes					
-						

2. SOFTWARE INSTALLATION

2.1 Software download

Step1: Go to AVTECH official website: http://www.avtech.com.tw/SoftWare.aspx.

Select **32** ~ **96CH CMS** and find the version of **CMS Lite 32ch**. Then, select the program to download.

Note: The compatible Windows operating system: Windows 10 / Windows 8.1 / Windows 7 / Windows Vista.



Step2: Double-click the program to install, and follow the on-screen instructions to complete the installation.

Note: You need to run the program as administrator to start installation.

Note: If you're upgrading the program, make sure the currently-installed version is removed manually.

You can choose to install for administrator(s) only, or install for anyone using this computer.

- Administrator Only the one logged in with the Windows Administrator account can see and use this program.
- Anyone using this computer
 - The CMS Lite functions one can use depend on the Windows login account he/she used to log in. Please see "6.3.1 Default user group and its permissions" at page 28 for more details.

This option is recommended when the PC is shared with other people who also need to access CMS Lite but their access permissions need to be limited.

S AVTECH Trident CMS Lit	e v3.0.0.2 Setup		S AVTECH Trident CMS Lite v3.0.0.2 Setup
	Welcome to the AVTECH Trident CMS Lite v3.0.0.2 Setup Wizard		Choose Users Choose for which users you want to install AVTECH Trident CMS Lite v3.0.0.2.
	This wizard will guide you through the installation of AVTECH Trident CMS Lite v3.0.0.2. It is recommended that you close all other applications		Select whether you want to install AVTECH Trident CMS Lite v3.0.0.2 for yourself only or for all users of this computer. Click Next to continue.
	before starting Setup. This will make it possible to update relevant system files without having to reboot your computer. Click Next to continue.	•	 Install for anyone using this computer Install only for administrator(s)
	Next > Cancel		AVTECH Corporation

Step3: Find the shortcut icon (Dec) on the desktop, and double-click it to execute the program. Enter the user name and password to access this program.

The default user name and password are both admin.

Note: Check **Auto-Login** to log into CMS Lite automatically the next time when you execute this program.



Step4: You'll be prompted to change the default access password.

Note: It's highly recommended to change the access password here for security reasons. If you don't want to change the password here, you can change it later in **User**. For details, please refer to "Change default password" at page 28.



Step4: See tutorials or skip to enter the main control panel.

2.2 Software activation

You need to activate the program to ensure the program works normally or it will be expired after 30 days.

On the main control panel, click **Not Activated** on the top left side to activate this program automatically.



2.3 Interface overview



- For details about "System Configuration", please refer to "3. SYSTEM CONFIGURATIONS' at page 6.
- For details about "Device Area", please refer to "6. DEVICE AREA" at page 10.
- For details about "Display Area" and "Display Layout Selection", please refer to "4. DISPLAY AREA AND LAYOUT SELECTION" at page 7.
- For details about "PTZ Control Panel", please refer to "5. PTZ & OTHER CONTROL" at page 8.

3. SYSTEM CONFIGURATIONS

Select on the top right corner to enter the system configuration page.

3.1 General

General Advanced		
CMS Lite 3.0.0.2 Get Plus		
Path	Client Mode —	
Snapshot Path C:\OEM_Snpashot	Data Source:	Local (default)
All Margaret Constants		Remote (Client Mode)
Record Path C:\Record\	Remote server IP	10.1.1.200
	Data Sync:	
Start-up	 Automatic 	🔿 Manual
Autostart with Windows	On CMS start	Daily
Auto-login with this account		

Function	ction Description				
■ Path					
Snapshot Path	Choose the folder where the snapshots are saved when 🔟 is clicked.				
Record Path	Choose the folder where the video footages are saved when 🔟 is clicked.				
■ Start-up					
Autostart with Windows Check this option to enable this program automatically when Windows starts o reboots.					
Auto-login with this account	Check this option to log into this program automatically with the account you're usi currently the next time when you execute this program.				
Show tutorial on next CMS Lite start-up Check this option to show operation tutorials every time when CMS Lite starts.					
■ Client Mode					
Data Source Choose Remote (Client Mode) and enter the IP address of server from v you'd like to synchronize the device list.					
Data Sync This function is used to synchronize the device list with the PC configured as the server mode. The options are: Automatic / Manual / On CMS start / Daily					

3.1 Advanced

General Advanced	
Backup	Media Server
Export data to file	D 1 Use Media Server Strea
Export Target	CMS Pro
Import data from file	🗖 Use Software Decoding

Function	ion Description				
Backup					
Evport data ta filo	This function is used to export all the configurations for backup. You can also import the configurations to the CMS Lite installed on another laptop / PC.				
Export data to file	Browse to where you want to save the exported file, and click " To export the settings. When the export is done, a zip file is generated.				
Import data from file This function is used to import the settings copied from the CMS Lite installed another laptop / PC.					
Media Server					
Use Media Server Stream	This function is used when this PC with CMS Lite installed is used as a client and intended to make requests to another PC configured as a media server. Check this option if needed.				
Software Decoding					
	This function is used to choose how graphics are processed and shown on PC.				
Use Software Decoding	By defaults, the graphics are processed by the graphics card. If your graphics card is not capable of processing camera images properly, check this box and the graphics will be processed by PC CPU instead.				

4. DISPLAY AREA AND LAYOUT SELECTION

- Select display layout: Check LAYOUT on the left side, and select one of 12 layouts.
- Switch one device view with another device view: Drag the device view you want to move to where you want it to be.
- Check one channel from the multi-channel view: Double-click on the channel, or click the device tab on the bottom side. To restore to the multi-channel layout, click on the channel again.
- Remove one device view from the multi-channel view:
 Move to the top right corner of the device view to show x
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5. PTZ & OTHER CONTROL

CMS Lite is able to recognize and control not only AVTECH speed dome and motorized camera series, but also other brand's IP speed dome cameras which support ONVIF.

To control the camera, please select the channel which has AVTECH speed dome camera, AVTECH motorized camera, or other brand's ONVIF speed dome camera connected, and use the panel below to make control.

In this control panel, you can also make snapshot, switch the audio function, open remote desktop console for remote control, access the device configuration page, etc.

Note: The functions available depend on the camera you connected.

Note: For speed dome camera control on CMS Lite, you can also work with AVTECH joystick, AVX102. Just plug the joystick to PC and switch to the channel where the camera is connected, and you're ready for camera control via joystick.



lcon	Function	Description			
M v	Resolution Switch	Select the resolution from H (High) / M (Medium) / L (Low).			
A	Alarm	Click to switch the alarm.			
■ ×	Audio On / Off	Click to switch the speaker on / off.			
Ŷ	Microphone On / Off	Click to switch the microphone on / off.			
	White LED	This function is used for the camera model with a white LED built-in, such as AVN80 Click to activate / deactivate the white LED.			
Ø	Snapshot	Click to take a snapshot of the current view on a new window. Right click on the picture and re-save it to the location you want.			
	Arrow Keys	Move the camera to any direction you want.			
		Click to activate the auto function.			
Auto Pan		Before using it, you need to assign a specific function that will be enabled when "			
		For details, please refer to the user manual of the camera.			
<pre>fill</pre>	Menu	This icon is available only when AVTECH TVI camera series is connected.			
ي ڪ		Click to enter the camera's own system configurations.			
	Move to a	Select a preset point from the drop-down list to move the camera to the point.			
	preset point	Before using it, you need to have at least one preset point assigned in the camera. For details, please refer to the user manual of the camera.			

lcon	Function	Description				
+	Hot Point	Click to enable the hot point function, and click on the live view to center the point you've just clicked on.				
	DPTZ	<text></text>				
	Device Config	Click to access the system configuration page of the recorder or IP camera.				
 *	Remote Desktop	Click to remotely access the recorder's desktop for device control.				
æ , æ	Focus Near / Far	Click to adjust the focus of the image manually.				
[4]	Auto Focus	Click to adjust the focus of the image automatically.				
€ _/ €	Zoom in / out	Click to zoom in / out the current image.				
+ , -	Max. Zoom in / out	Click to zoom in on the image to the largest / zoom out on the image to its original size.				
(Auto Tracking	Click to start auto tracking when your speed dome camera supports this function.				
Υ	Camera Quick Setup	<text></text>				

6. DEVICE AREA

In this area, users are able to:

- Add devices you want to monitor by LAN, manual input, and EaZy Networking. For details, please check "6.1 Add a device" at page 10.
- Manage each device and channel for display, record, playback and backup. For details, please check "6.2 Device" at page 12.
- Assign different user account and access permission. For details, please check "6.3 User" at page 27.

6.1 Add a device

There are three methods to add a device:

- Scan devices in LAN
- Directly enter the access information of the devices connected to the Internet already
- Import devices added by EaZy Networking (AVTECH Cloud Service)



6.1.1 Scan

Before using **Add Device** to add a device, make sure the device you want to add is in the same network segment as your PC / laptop is.

- Step1: Select the scan button as indicated on the right picture to search all the devices connected in the same network segment as your PC / laptop is.
- Step2: Select a device from the list, and the IP information will be automatically shown in the **Add Selected** section, including the access user name and password.
- Step3: Revise the device name if needed.
- Step4: Click + to add the device.
- Step5: Choose **Device**, and you'll see the added device. For the device name, the last segment of the IP address will be added as a suffix.

For example, if the IP address is **192.168.1.204** and the device name you entered is **office**, the final device name will be **office-204**.



6.1.2 Enter manually

Before entering the IP information of a device manually, make sure the device is actually connected to the Internet, and you've known the information needed to access the device, including the IP address, port number, user name and password.

- Step1: Enter the IP address, port number, user name and password used by the device you want to connect.
- Step2: Click + to add the device.
- Step3: Choose Device
- Step4: Choose **Device**, and you'll see the added device.



6.1.3 By EaZy Networking

If your device is connected to the internet by EaZy Networking, the AVTECH cloud service, you can also add it to the device list and see live view.

- Step1: Choose (EaZy Networking) to enter the device page.
- Step2: Log into the AVTECH cloud service with the user name and password you used. A list of EaZy Networking devices added to your cloud account will be shown.
- Step3: Choose the device(s) you'd like to add to the device list.
- Step4: Choose + to add the selected device(s) to the device list, and click **X** to close this window.
- **Note:** To add devices from another cloud account, choose , and you'll be redirected to the login page.



Device Add Device User	EZ Devices	Device Add Device User
Network Scan V A	Login Name freuen	Step5: 00 C C Choose Device Prot Model Rec
IP ADDRESS PORT GATEWAY MODEL	Password Step22 LogInto EZ Login	IP Camera
O IP Camera	AVTECH cloud service	- Andy Taipei Hk 127.0.0.1 527813E2/813A/8
I92.168.1.202 8181 192.168.1.65 (Unknown Model)	Name Device Type Global Address Port MAC Online	the second s
O Unknown Device	Varrie Device type Global radies Port www. Online	The device is added here: ****** Double click or drag it directly
Step18 Click EZ	Step4: Choose 449	ග නොවා ගින හරිනා හැක.
	AVIECH cloud carvice with another account	
Manually Add Device		
Device Name: office		💋 💼 💷 🗟 🗔 📼 🕨
IP Address: 221.33.51.122		
Port: 8080		

6.2 Device

In **Device**, you can see the device list and the control bar:

- Device list: Here shows the device information, such as its title name, its model number, and its recording and connected status. For details, please check "6.2.1 Device list" at page 13.
- Control bar: For details of each function, please check "6.2.2 Control bar" at page 13.



6.2.1 Device list

You can check the devices added and its current connected and recording status.

	Device Add De	vice User					
	HDD: 53/186 GB		٩	e			
	Name	IP	Port Model	Rec			
	IP Camera						
	meeting_room-11	192.168.1.11	88 DGM1306				
	🔗 IP Camera 🗕	Device 1	ype				
Evenend to	🔲 🗕 Andy Taipei H	127.0.0.1	52781 3EZ/813A/8				
Expand to see more	OVR ezum_de	emo (avezum.ddr	ns.eagleeyes.tw:80	80)			
		DVR ezum_c	iemo (avezum.ddi	ns.eagle	eeyes.tw:80	80)	
Ма	in device	ezum_demo	um.ddns.eagleey	8080			
		ezum_demo_1	um.ddns.eagleey	8080	AVT Series		
		ezum_demo_2	um.ddns.eagleey	8080	AVZ408		
		ezum_demo_3	um.ddns.eagleey	8080	AVT553		
		ezum_demo_4	um.ddns.eagleey	8080	AVT503		Device
Sub	devices	ezum_demo_5	um.ddns.eagleey	8080	AVT Series		status
		ezum_demo_6	um.ddns.eagleey	8080	AVT Series		
		ezum_demo_7	um.ddns.eagleey	8080	AVT Series		
		ezum_demo_8	um.ddns.eagleey	8080	AVZ408		
		ezum_demo_9	um.ddns.eagleey	8080	AVZ408		
	💋 📙	23	. Þ . et				
	neo.						

Device type	Here shows the connected device type: DVR, NVR or IP Camera.			
Main device	Here shows the main device information, such as its title name and its model number.			
Sub-device	This shows only when the main device is a DVR or NVR to see what's connected to it. You can add only the sub-device you want to the live display area instead of adding the main device to see all channels, and single channel recording is also configurable.			
Device status	 The device is connected to the internet. The device is not connected to the internet or disconnected physically. Recording is on. 			

Right-click shortcut menu

Right click on the device to show the shortcut menu.

Note: The unsupported function will be greyed out.

	-				
Live Display					
Open this device in Live	Directly open the device in the live display area.				
Add to Live	Select a layout first, and add the selected device to one split view of the layout in the live display area.				
■ Record					
Start / Stop Recording	Start / stop recording in CMS Lite. When recording is on, you'll see •.				
Device Control					
Add NVR/DVR Channel	This function is available only for NVR / DVR, and is used to add channels which are currently not added under the selected device.				
Set as PTZ Device	Enable this function when the connected speed dome camera is not AVTECH's camera and you want to control it as you do on DVR / NVR. When this function is enabled, the PTZ panel will be enabled, too.				
Set DVR Live mode	This function is available only for NVR / DVR.				
	Choose the live mode from Split / Merge .				
	• Split: Each channel of the recorder is a single stream and can be viewed individually without affecting the display at the local site.				
	• Merge: The display in CMS Lite is the same as the one at the local site and direct channel switch is not possible from CMS Lite				
	To see in different display mode, please use 🗔 (Remote Desktop) to change from the local site. For details, please see "5. PTZ & OTHER CONTROL" at page 8.				
Edit Device	Choose to edit the device.				
Delete Device	Choose to remove the device.				

Device Control	Device Control				
Open Device Config	Choose to access the device configuration page for setting change.				
Open Remote Desktop	Choose to open the remote desktop console to control and operate the device just like when you're at the local site. The display layout change made from the console will synchronize the display in CMS Lite when the display mode is Merge .				
Backup Device Config	Choose to copy the device configuration for later use.				
Update Device Firmware	Choose the upgrade the device. Make sure you've had the files needed for device upgrade and save them to the PC where CMS Lite is installed.				

6.2.2 Control bar

The control bar enables you to do device recording, playback and backup, and add devices to the live display area or user group.

2	Record Setting	Configure CMS Lite to record and save in the PC for later checking. Please check "Record Setting" at page 15 for details.	Device Add Dev HDD: 53/186 GB Name	ice User	Port M	Q	C Rec
REC /	Start / Stop Recording	Start / stop recording on the PC. Please check "Start Recording / Stop Recording" at page 16 for details.	IP Carnera meeting_room-11 IP Carnera	192.168.1.11	88 DGM	M1306	
	Recording Playback	Search, play and copy video footage recorded and saved in CMS Lite. Please check "Recording Playback" at page 17 for details.	Andy Taipei Ho	127.0.0.1 mo (avezum.do	52781 3EZ/ Ins.eagleeye		• • :0)
r 6	Backup Recording	Copy video footage saved in CMS Lite. Please check "Backup Recording" at page 20 for details.					
5	Add to Group	Add the channels desired to a group for quick access. Please check "Ad to Group" at page 20 for details.					
•	Add to Live	Display channels to the live display area. Please check "Add to Live" at page 22 for details.	Controlbar				
	Device Playback	Search, play and copy video footage recorded and saved in the device itself. Please check "Device Playback" at page 22 for details.		l 🕰 3	5	¢,	►

Record Setting

Configure CMS Lite to record and save in the PC for later checking.

Note: To change the record setting configured in the device, please go to the device's configuration page.

Each device can be configured up to two record modes among **Manual Record**, **Event Record** and **Timer Record**. The default record mode for all devices is **Manual Record**,

which will be enabled automatically when rec is selected.

Before configuring record setting for each device you want, make sure:

- You've specified where to save video recording in **Output Directory**.
- Based on which hard drive you want to save video recording, select the drive in **Overwrite** to allow the system to overwrite video recording data starting from the oldest one, or the system will stop recording since the hard disk is full.

Overwrite

			video data	a
		Where to save video recording	when HD	D is full
CMS Record Settings				- D X
DEVICE LIST		Output Directory: C:\Record\	Overwrite	Remote
DEVICE NAME	SETUP	PROFILE Step2: Choose the video profile STREAM Step3: Choose the stream		•
Single Channel		PROFILE RESOLYOU Want and Click table STREAMING URL	EVENT SNAPSHOT	REMOVE
Andy Taipei Home		Record Stream + //ive/video/h264/pc/ch3	۲	×
OVR ezum_demo (ave	zum.ddns.eagl	Sub Stream +		
ezum_demo		Mobile Stream 🕂		
ezum_demo_1	√	Trigger: Record Mode: Step48 Choose (the record mode	evouwant	
ezum_demo_2		Motion Alarm PIR Duration: 20 • Manual Record for the stream		
ezum demo 3	- -		arm (sec):	
Step1:4	 Image: A second s	• Timer Record		
Choose the de		00 01 02 03 04 05 06 07 08 09 10 11 12 13 14	15 16 17 18 19 20	21 22 23
you want to co	onfigure	Sun		
ezum_demo_7	✓	Mon		
ezum_demo_8 ezum_demo_9	✓ ✓	Тие		
ezum_uemo_s	×	l wed		++++++
		Тпи		
		Fri		
		Sat	Step	5: SAVE
4 Reload)	fy REFRESH		SAVE

Step1: Choose the device you want from **DEVICE LIST**.

Step2: When a device is selected, you'll see its supported video profile(s) in **PROFILE**, and the default video profile in **STREAM**.

For recorders, three profiles are available:

Record Stream	The resolution is the same as configured in recorders. In STREAM , you'll see " record " in STREAMING URL .
Sub Stream	The resolution is the same as configured in recorders. In STREAM , you'll see " pc " in STREAMING URL , and it's the default profile for recorders.
Mobile Stream	The resolution is QVGA. In STREAM , you'll see " mobile " in STREAMING URL .

Step3: Choose the streaming you want for recording in **STREAM**, and you'll see the **Record Mode** section is enabled.

Note: Up to two profiles can be added to STREAM for recording setting later.

Step4: In **Record Mode**, choose which record mode you want to configure.

Note: Only one record mode can be chosen for one streaming. To add another record mode, choose another streaming in **STREAM**.

Manual Record	Recording is on continuously until you stop (
	Event Record is available only for IP cameras , and make sure the event type you've chosen here has been configured properly in the camera.				
	Recording is on only when the event selected in Trigger occurs.				
	When this option is chosen, the Trigger section is enabled with supported event				
	types (Motion / Alarm / PIR) and the current live view of the chosen IP camera.				
	 Choose the event type you want how long the recording will last (5 / 10 / 20 / 40 seconds). 				
	 Choose how long you want to record before and after the event, at least 5 seconds. 				
Event Record	Trigger: Record Mode: Motion Alarm PIR Duration: 20 • Manual Record Record also before and after the event				
	Working Providence Prov Providence <t< td=""></t<>				
	Cording lasts Fimer Record 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19				
	Sun U U U U U U U U U U U U U U U U U U U				
	Fri				
	Select the day (Y axis) and time (X axis) you want recording. Each time bar is 30 minutes, and the selected time bar is marked in blue.				
	Record Mode:				
	● Manual Record ● Event Record Pre-Alarm (sec): ♦ ♀ Post-Alarm (sec): ♦ ♀				
	© Timer Record				
Timer Record	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Sun Image: Construct on the second se				
	Wed				
	Sat				

Step5: Choose **SAVE** for this setting before choosing another device to setup.

Start Recording 🚾 / Stop Recording 💻

Select the device you want to record, and choose **to** start recording and save in PC. You'll see **•** appearing in the **Rec** column of the device.

The video recording will be saved in the folder specified in extension of .mp4. You can directly go to the folder to find the video you want, or choose find the footage you want by **List** and **Calendar**.

Note: When ● is on for a device or its sub-device, it will occupy one online user of the selected device. For example, the maximum online user number of your DVR is 20. When you've chosen to record CH1, CH3 and CH5, only 17 online users are allowed to access your DVR.

To stop recording, choose

Recording Playback

This function is used to access the surveillance footage saved in PC when **(Start Recording)** is chosen for you to see (**Play**) or copy (**Backup**). The footage could be found by **List** or **Calendar**.

Note:	To search the surveillance footage saved in the DVR / NVR / IP camera, please choose $lacksquare$	2
	(Device Playback) instead ("Device Playback" at page 22).	

■ List

Select List, and record logs are listed by record types: Event record / Manual record / Motion.

Choose the even type you're looking for, and select the record log you want to see (**Play**) or copy (**Backup**).

Hight resolutior	Low resolution Pre ala	arm(sec) 10	Post alarm(s	sec) 10 🌲	Event record Manual record Motion
Name	Time	Channel			
Manual	2016/11/15 15:50:11	0	Play	Backup	
Manual	2016/11/15 15:49:50	0	Play	Backup	
Manual	2016/11/15 15:11:25	0	Play	Backup	
Manual	2016/11/15 15:09:30	0	Play	Backup	
Manual	2016/11/14 18:15:24	0	Play	Backup	
Manual	2016/11/11 15:51:21	0	Play	Backup	
Manual	2016/11/11 15:30:59	Play	Play	Backup	Backup
Pre Nex	t Cancel				

When **Play** is chosen, the playback panel shows and start playing the event log you just chose. Slide the timeline to quickly search the moment you want, and take snapshots if needed.



When **Backup** is chosen, the backup panel will be shown for you to choose the time segment within which includes the footage you'd like to backup.

	СН
	Begin: 2016年11月29日下午 02:27:12 \$ End: 2016年11月29日下午 02:32:12 \$
Backup	Backup

Then, choose **Backup**, and you'll be prompted to browse to where you want to save the footage. The backup file will be in .AVI format.

Calendar

Select Calendar to show video recordings displayed by Calendar.

Select the date which includes the footage you need, and slide the timeline to search the time segment you need.



Time with recording

When **Play** is chosen, the playback panel shows and start playing the event log you just chose. Slide the timeline to quickly search the moment you want, and take snapshots if needed.



Note: The snapshot picture will be saved in the location specified in **System** Configuration).

Record timeline

When **Backup** is chosen, the backup panel will be shown for you to choose the time segment within which includes the footage you'd like to backup.

	сн
	Begin: 2016年11月29日下午 02:27:12 \$ End: 2016年11月29日下午 02:32:12 \$
Backup	Backup

Then, choose **Backup**, and you'll be prompted to browse to where you want to save the footage. The backup file will be in .AVI format.

Backup Recording

This function is used to copy the surveillance footage saved in PC when key is chosen to wherever you want.

Click to show the backup panel. Choose the time segment which includes the footage you need, and assign a directory for saving. The backup file will be in .AVI format.

Begin Time	2016/11/16 11:29:27		
2016年11月	16日 🔽	11 : 29 : 27	¢
———			
End Time	2016/11/16 11:40:27		
2016年11月	16日 💽	11 : 40 : 27	¢
Directory	C:\Users\Tracy.Chien\D	esktop	
		\checkmark	×

Add to Group

This function is used to:

- Gather the video channels you want to see at the top priority and add them to a video group for quick display ().Up to 16 devices could be added to a video group, and up to 36 video groups could be created.
- Gather the audio channels you want to broadcast and add them to an audio group (III). Up to 16 devices could be added to an audio group, and up to 36 audio groups could be created.



Video Group 20



Audio Group

For the video group, double click it to directly show video channels selected for the group in the live display area.

For the audio group, double click it to directly open the audio broadcasting panel and start broadcasting at your site. Before using this function, make sure the channels you've selected support audio out and have related equipment connected.





Choose the channels you'd like to see in the live display area, and click

Note: You can also directly drag the channels you want directly to the live display area to see the live view.



Device Playback

This function is used to access the surveillance footage saved in the recorder (DVR / NVR) or IP camera for you to see (**Play**) or copy (**Backup**). The footage could be found by **List**, **Calendar** or **Allinone**.

Note: To search the surveillance footage saved in PC, please choose (Recording Playback) instead ("Recording Playback" at page 17).

Device Playback					
Address	Name				
avezum.ddns.eagleeyes.tw:8080	ezum_demo	List	Calendar	Allinone	
220.163.286.163:82	home	List	Calendar	Allinone	
		Backu	p list		

■ List

Select List, and record logs are listed by record types: Event record / Manual record / Motion.

Choose the even type you're looking for, and select the record log you want to see (**Play**) or copy (**Backup**).

Hight resolutior	Low resolution Pre ala		Post alarm(s	sec) 10 🗸	Event record Manual record	Motion CH
Name	Time	Channel				
Manual	2016/11/15 15:50:11	0	Play	Backup		
Manual	2016/11/15 15:49:50	0	Play	Backup		
Manual	2016/11/15 15:11:25	0	Play	Backup		
Manual	2016/11/15 15:09:30	0	Play	Backup		
Manual	2016/11/14 18:15:24	0	Play	Backup		
Manual	2016/11/11 15:51:21	0	Play	Backup		
Manual	2016/11/11 15:30:59	Play	Play	Backup	Backup	

When **Play** is chosen, the playback panel shows and start playing the event log you just chose. Slide the timeline to quickly search the moment you want, and take snapshots if needed.



Record timeline

When **Backup** is chosen, the backup panel will be shown for you to choose the time segment within which includes the footage you'd like to backup, and which video format you'd like to save (**.AVI** or **.AVC**).



Then, choose **Backup** and you'll be prompted to browse to where you want to save the footage.

Note: .AVC is a special video format and can only be played by our own video player (Click <u>here</u> to download).

Calendar

Select Calendar to show video recordings displayed by Calendar.

Select the date and channel(s) which include the footage you need, and slide the timeline to search the time segment you need.



When **Play** is chosen, the playback panel shows and start playing the event log you just chose. Slide the timeline to quickly search the moment you want, and take snapshots if needed.

Note: The snapshot picture will be saved in the location specified in **(System Configuration)**.



When **Backup** is chosen, the backup panel will be shown for you to choose the time segment within which includes the footage you'd like to backup, and which video format you'd like to save (**.AVI** or **.AVC**).

	СН
Time	Begin: 2016年11月9日 上午 12:00:00 💲 End: 2016年11月9日 上午 12:05:00 💲
Resolution	Hight resolution Low resolution
Video format	AVC AVI
Backup	Backup

Then, choose **Backup** and you'll be prompted to browse to where you want to save the footage.

Note: .AVC is a special video format and can only be played by our own video player (Click <u>here</u> to download).

Allinone

Select **Allinone** to directly open the playback panel. You can choose the time you want to see for the selected device, and select to copy the video footage you need.



When is selected, the backup panel will be shown for you to choose the time segment and channels to backup. Click **Start** to start copying the backup file to where you specified. The progress bar will show the backup percentage.



The backup file format is **.AVC**, and has to be played by our video player (Click <u>here</u> to download).

To covert the file format from **.AVC** to **.AVI**, choose **.....** on the playback panel of the video player.



6.3 User

In **User**, you can:

- Create an account and assign it to a user group with pre-defined access permissions.
- Create a user group and customize its access permissions for a new account to be added.



6.3.1 Default user group and its permissions

By defaults, there are four user groups as listed below with their respective access permissions.

Note: The access permissions can be modified by right-click the user group to show the shortcut menu, and choose **Edit Group**, or you can create a user group by choosing (Add User Group).

	Administrator	Power User	User	Guest					
Default User Account				1					
Account Name	admin	poweruser	user	guest					
Password	admin	poweruser	user	guest					
Windows OS Account									
User Name & Password Used for Windows Login	into CMS Lite, and account type you u	 You can also use the same account name and password for PC login to log into CMS Lite, and the permissions you have are depending on the Windows account type you used. The account can't be removed or modified since it's related to the Windows OS you're using. 							
Allowed Setting									
Add New Devices	✓	✓ ✓							
Open Device Config	✓	\checkmark							
User Accounts	✓								
Change Password	✓								
Default Device Permissio	ns								
Live	✓	\checkmark	✓						
Playback	✓	\checkmark							
Backup	✓	\checkmark							
Record	✓	\checkmark							

Change default password

It's highly recommended to change the default password for the default account for your account safety, especially for the administrator account.

To change the default password, find the account you want to change, and click M to enter and confirm the new password.



6.3.2 Add a user group

You can create a user group to customize its access permissions other than the default user groups.

When the group is added, double-click on the group to enter the group and create an account. To modify or remove the user group, right-click on the group to show the shortcut menu.



6.3.3 Add an account

To add an account, you need to choose which user group this account should belong to first. When the account is added, it follows the permissions specified for the user group.

Device	Add Device	User			D	evice Add Devid	ce User		Device	Add Device User			
E	engin S	tep1: Cho	ose 🔶	20	•	Login Name	engineer1	?₊	E	engineer			
	Login	Name	Туре			Full Name	engineer_chen			count addad Name	Туре		
						Password	•••••		eng	ineer1 engineer_chen			
						Confirm Pass	word ••••					ا بو	
					-	Step2: Enterti &pass	↓ he account na word	″X me					