

Milesight VMS Pro User Manual

V2.07



More in Sight

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Chapter I Introduction

1.1 Milesight VMS Pro Introduction

Milesight VMS Pro (Video Management System) is one of the most innovative and most powerful video management software systems on the market and it will fulfill your highest requirements and expectations. The simple and intuitive design requires little training while providing easy access to live and recorded video, facility maps and alarms. The user who has the authority can configure all server and cameras settings from a central location. Utilize the left panel navigation tree structure to navigate the server and cameras as well as to access features like search out the online server and cameras automatically, check the information of the server and camera. Use Client/Server architecture, it is a future-proof network video solution for large projects and cam manage unlimited network cameras via unlimited working servers in different locations. It's able to integrate with other cameras over ONVIF.

This manual describes how to use and manage the 'Milesight VMS Pro' in your networking environment. Some knowledge of networking environments would be beneficial to the reader. Should you require any technical assistance, please contract authorized service center.

1.2 Key Features

- \diamond Support 1/2/4/6/9/13/16/36/64 channels playing synchronously
- ♦ H.264/MPEG-4 /MJPEG video compression
- ♦ Client/Server Architecture, support add multiple-server
- ♦ Record locally or to network storage
- ♦ Customizable User Access Levels
- ♦ E-mail Notification/FTP
- ♦ Support dual-stream
- \diamond 4 ch Synchronized Playback and up to 16 ch Asynchronous Playback
- ♦ Alarm or scheduled recording
- ♦ Integrated Motion-Detection from camera
- ♦ Multiple monitors support
- ♦ Human-oriented Milesight UI
- ♦ Support ONVIF



Chapter II Installation

2.1 Software Overview

An installation of 'Milesight VMS Pro' has two components: server software and client software. The 'Milesight VMS Server' as the intelligence management system forward the RTSP stream. And the client software is used to log in the server and provides the user interface for all tasks including monitoring, searching, reporting and configuration. The 'Milesight VMS Client' allows users in different locations to log in to the server, if have the right, it's able to change the system configuration.

2.2 System Operating Environment

OS: Windows XP/7/Vista/Server 2000/Server 2008 CPU: 2.4GHZ or faster Memory: 2G MB or more Graphic memory: 1G or more Internet protocol: TCP/IP

2.3 Installation Guide

Run the Milesight VMS Pro Installation file and install the programs on your computer by following the on-screen instructions. After finishing installation, you will find the programs on the start menu or on the desk.

Step1: Select the preferred language for this installation.

Installin Languages Select pref	g filesight VIS Pro erable language.	2
	Select your preferred language for this installation. Click Next to continue the installation. 简体中文(Chinese Simplified) English	
	<u>N</u> ext >	<u>E</u> xit

Figure 2.1



Step2: Click 'Next' to go on.

🕵 Installin	g Milesight VMS Pro
Welcome Welcome t	o the Milesight VMS Pro Installation!
	This setup program will install Milesight VMS Pro on your computer. Click Exit if you do not want to install this application. Click Next to continue the installation. WARNING: This program is protected by international copyright law and treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties and will be prosecuted to the maximum extent of the law.
	< <u>B</u> ack <u>N</u> ext > <u>E</u> xit

Figure 2.2

Step3: Read the information to know about Milesight VMS Pro and go on.

F	arne Nease read the following information.	1
Ent	ering into this Agreement: (Milesight VMS Pro)	~
Thi bet You	s End User License Agreement constitutes a valid and binding agreement ween Milesight Network Video Recorder Software ('Milesight VMS Pro') and 1, as a user, for the use of the Milesight VMS Pro.	T THE
Arti	icle 1 License and Restrictions	
1.1 a li ass You	License. Subject to the terms of this Agreement, Milesight hereby grants You mited, personal or company, commercial, exclusive, sub licensable, ignable, charge license to download, install and use the Milesight VMS Pro on ur computer.	
1.2 in it dist per	No Modifications. You may copy the installation file of the Milesight VMS Pro ts complete unaltered form but you may not, under any circumstances, rribute any software registration code for any of our programs without written mission from Milesight. In the event that you do distribute a software	*

Figure 2.3



Step4: Choose the destination.

Installing Destination f Select a des installed	Tilesight VIIS Pro Xiolder Tolder stination folder where Milesight VMS Pro will be
	Setup will install files in the following folder. If you would like to install Milesight VMS Pro into a different folder then click Browse and select another folder.
Y.,	Destination folder C:\Program Files\Milesight VMS Pro
	< <u>Back</u> <u>N</u> ext > <u>E</u> xit

Figure 2.4

Step5: Here you need to install the 'Milesight VMS Client' and 'Milesight VMS Server' to complete the installation.



Figure 2.5



Step6: Finish the installation.



Figure 2.6





Chapter III Operations and Settings

3.1 How to execute the Milesight VMS Pro

(1) Start 'Milesight VMS Server' first

After installation, you can find it on Go to ->Start All Programs-> Milesight VMS Pro -> Milesight VMS Server, then all the cameras on the server will load automatically.

(2)Then, start 'Milesight VMS Client'

After installation, you can find it on Go to ->Start All Programs-> Milesight VMS Pro -> Milesight VMS Client .

When login 'Milesight VMS Client', a window will pop up as below. Enter the Username, Password. The default user name and password is 'admin' and 'password'. You can also choose which language to be used for the Client. If the [Auto Login] is selected, 'Milesight VMS Client' will login without keying in the Username and Password next time.

Login	×
User Login	
User Name:	admin
Password:	
Language:	English
	🗖 Auto login 🛛 Save Password
	Sign In Cancel



After clicking on the 'Login' button, the window will pop up as follow. Please wait for a few seconds, when load the cameras successfully, the 'Milesight VMS Client' will come into view.



Figure 3.2



3.2 Configration

Before using the 'Milesight VMS Client' for liveview, you need to add the server first. Then you are able to add the cameras via different servers. Only after adding the server and cameras, can you use functions like liveview, playback, E-map etc.

How to add server?

There are two ways to add servers via 'Milesight VMS Client': one way is searching online automatically, the other is adding manually. After adding successfully, you can see the name of the server under '*Default Group*'.

Click on the menu, choose the 'Settings' menu, select the 'Server Management' option, windows will pop up as follow. Click on the 'Search server' button to search automatically, while click on the 'Add Server' button to add manually. Details will be showed in the following figures.



Figure 3.3



1. Search Server

Click the button, the window will show as below. You can search servers automatically.

Name	IP	Port	User Name		Password	Group		
milesight	192. 168. 5. 62	33606	admin	•		Default Group	•	
Milesight	192. 168. 5. 51	33606	admin	•		Default Group	•	
Milesight	192. 168. 5. 28	33606	admin	•		Default Group	-	
Milesight	192. 168. 4. 173	33606	admin	-		Default Group	•	

Figure 3.4

Item	Description
Stop/Rescan	When searching the servers, you can stop it and rescan by clicking again.
Select All	All the servers will be selected at a time.
Clear All	All the servers will be unchecked at a time.
Set Password	Enter the password at a time.
ОК	Click [OK] button to confirm the settings.
Cancel	Exit quit.

2. Add Server

When the button is clicked, the window will show as below. You can add the server manually.

Add Server			×
Server Type:	Milesight NVR Server 👻	Enable:	V
Name*:	Device	IP*:	
Port*:	33606	SQL Port*:	23606
User Name*:	admin	Password*:	
			OK Cancel

Figure 3.5



Item	Description
Server Type	Choose the NVR type you use
Name	The name of server.
Port	The port of the server.
User Name	The user name of the server.
IP	IP address of the server.
SQL port	SQL port.
Password	Password of the server.
Enable	Enable or unable the server.

3. Edit Server

When the button is clicked, the window will show as below. Edit the information of the camera.

Edit Server			
Server Type:	Milesight NVR Server 👻	Enable:	V
Name*:	192. 168. 5. 61	IP*:	192. 168. 5. 61
Port*:	33606	SQL Port*:	23606
User Name*∶	admin	Password*:	•••••
			OK Cancel

Figure 3.6

4. Delete Server

Remove the server from 'Milesight VMS Client' .

5. Configure Server

Here you can do the settings for the server. Including General Settings, Camera Management, Schedule Settings, Motion Detection, Network Settings, User Management, Log Management and Record File Management.

For more details, please refer to the below option 'How to add the IP camera'.



General Camera Management Schedule		Motion Detection Network			linor		1	Proved Ri	
veneral ca	mer a management	Schedure	motion be	rection	Network	036	•	705	necolu 1.
P + Z (3								
Name	Add	.622	0	Model	Type		Status		
161	192.	168. 5. 161	1	IS-C3651	Milesi	ght Device	Normal		
TP.	Netmask		Gatev	ay:		Modify			

Figure 3.7

How to add IP camera?

After adding the server successfully, you need to configure the server further. Including search cameras, add them to the live view window, set motion detections, set recording schedule, etc. Adding, modifying, removing users, SMTP for the server could be also set here. Details are as below.



Figure 3.8

When click on the 'Config Server' button, window pops up as below. Including General Settings, Camera Management, Schedule Settings, Motion Detection, Network Settings, User Management, Log Management and Record File Management.



General Conce	Log	Report Fi							
General Canel	ra management	Schedure	motion beta	Jetion 1	Retwork	056		TOR	Kecoru ri
P 🛨 🗸 😣	é								
Name	Addr	622	Mo	del	Type		Status		
161	192.	168. 5. 161	HS ⁻	-C3651	Milesig	cht Device	Normal		
TP	Netmask:		Gatewa	7:		Modify			

Figure 3.9

3.2.1 Camera Management

Click '*Camera Management*' button, the pop out window is as below.



Figure 3.10



1. Search Camera

	Address	Port	User Name		Password	MAC	Model	
/	192.168.5.161	80	admin	-	•••••	1C:C3:16:02:00:69	MS-C3651	
1	192.168.5.192	80	admin	-	*****	1C:C3:16:02:00:2B	MS-C3358	
	192.168.5.102	81	admin	•		1C:C3:16:04:00:3D	MS-C3366	
	192.168.5.105	80	admin	•		1C:C3:16:08:00:18	MS-C3676	
	192.168.5.139	80	admin	•		1C:C3:16:08:00:17	MS-C3666	
	192.168.5.152	80	admin	•		1C:C3:16:04:00:2A	MS-C3672	
	192.168.5.157	80	admin	•		1C:C3:16:02:00:58	MS-C3658	
	192.168.4.227	80	admin	-		1C:C3:16:02:00:67	MS-C3651	
	192.168.4.128	80	admin	-		1C:C3:16:02:00:6B	MS-C3651	
	192.168.5.171	80	admin	-		1C:C3:16:OA:00:B5	MS-C3366	
	192.168.5.151	80	a dm i m	-		1C:C3:16:02:00:45	MS-C3658	
	192. 168. 4. 121	80	a.dm i.m	•		1C:C3:16:02:00:1E	MS-C3651	

Figure 3.11

Item	Description
Stop/Rescan	When searching the cameras, you can stop it and rescan by clicking again.
Select All	All the cameras will be selected at a time.
Clear All	All the cameras will be unchecked at a time.
Set Password	Enter the password at a time.
ОК	Click [OK] button to confirm the settings.
Cancel	Exit quit.

Note: Before you register the Milesight VMS Pro, you can only add up to 8 cameras. For more information, please refer to Chapter VII Milesight VMS Server.

2. Add Camera

When the button is clicked, the window will show as below. You can add the camera manually.

1) Through IP address you can add Milesight's cameras and other cameras supporting ONVIF.

2) Through RTSP stream you can add cameras supporting RTSP.

Note: Those with * options are required. Including Name, IP, Port, User Name, Password.



Ailesight	Milesight					
NVIF TSP	Enable:	V				Video Setting
	Name*:			Company:	Milesight	
	IP*:			Port*:	80	
	User Name*:			Password*:		
	Protocol:	💿 UDP	C TCP	Stream Mode:	Automatch	•
	Memo:					

Figure 3.12

3. Edit Camera

When the button is clicked, the window will show as below. Edit the information of the camera.

Milesight	Milesight					
	Enable:	V				Video Setting
	Name*:	MS161		Company:	Milesight	
	IP*:	192.168.5.	. 161	Port*:	80	
	User Name*:	admin		Password*:	•••••	•
	Protocol:	I VDP	C TCP	Stream Mode:	Automatch	•
	Memo:					

Figure 3.13

Click on 'Video Settings' button, you can change the video parameters here.

Item	Description
Video Stream	Choose the main stream or 2 nd stream to play.
Video Codec	Including H.264, MPEG-4, MJPEG.
Frame Size	The resolution.
Maximum Frame Rate	Maximum refresh frame rate of per second
Bit Rate	Transmitting bits of data per second





Figure 3.14

4. Delete Camera

Remove the camera from 'Milesight CMS Client' .

5. Browsing Web

Browse the web of the camera.

6. Modify IP address

Modify the IP address.

3.2.2 General Settings

Click 'General' button, the pop out window is as below. Here you can set the recording Path (support multiple disks at the same time), Server name and Server Port. It's also able to decide how long to keep the recording files and Event/Alarm Log. At the same time, you can decide whether to delete these files automatically and when.



			Config	Server			
General	Camera Manageme	nt Schedul	e Motion Detection	Network	Vser	Log	Record Fi
Server							
Server 1	fame: Milesight	Server	Port: 33606				
Record Pa	th						
	Drivers	Capacity (GB)	Free Space(GB)	S			
V	C:	48.9	21.5				
	D:	100.0	55.3				
	E:	146.8	48.9	When the	e Free Space Left: 1	1024 MB 🦳 Auto	delete file
	F:	170.0	85.2				
				Number of days	to keep Event log: 4	Always 🔻	
				N-1			
				number of days	co keep wrarm rog. [Always 🔻	
				_			

Figure 3.15

3.2.3 Schedule

Set the time schedule. When the button is clicked, the window will show as below.

Here you can choose the schedule which is going to use as an auto recording schedule or as an alarm schedule.

		Config	Server			
General Camera Management	Schedule	Motion Detection	Network	User	Log	Record Fil
Add Edit Del	ate					
Index Name	Туре	Start Date	Stop Date	Status		

Figure 3.16

Step1: Click 'Add' button to add a new schedule as a time templet. You can draw the timeline for each day. Here you can choose the schedule is going to use as an auto recording schedule or as an alarm schedule. Make sure the [Enable] button is checked.





Figure 3.17

The schedule settings include:

Item	Description
Name	The schedule name.
Enable	Enable or disable the schedule.
Date from/Date to	Begin or stop to put in the schedule.
Record Type	Including alarm or continuous
Trigger	Motion Detection from the 'Milesight VMS Client' or IPC itself.
Capture Image	Capture how many pictures per second when alarm is triggered.
Record Video	The length of the recording file.
SMTP	Enable to use the SMTP.

Step3: Choose a type under the 'Record Type'.

Note: If you choose the 'Alarm' type as the record type, you can also do some settings including trigger condition, action when alarm is triggered.

Step4: Select the cameras on the left camera list and move them to the right camera list. Step5: Click [Apply] or [OK] to confirm the settings.



3.2.4 Motion Detection

Do the alarm settings here. When the button is clicked, the window will show as below. Draw the areas where to be motion detection.





Step 1: Select the camera on the left tree which you want to set as motion detection. Make sure the 'Enable' button is checked. Draw certain areas by mouse.

ltem	Description
Select All	Select all the area to be detected
Clear All	Clear all the area
Level	Different levels to trigger alarm
Detection Interval	How often to trigger alarm

Step 2: Select the cameras on the left camera list and move them to the right camera list. Step 3: Click [Apply] or [OK] to confirm the settings.



3.2.5 Network

			Config	Server			
General	Camera Management	Schedule	Motion Detection	Network	Vser	Log	Record
SMTP							
SMIP Serve	r:						
SMTP Port:							
SMTP Sende	r:						
Password:							
SMTP Reciev	ver:						
Tort							

Here you can do the settings for SMTP. Click on the 'Network' button and the window will pop up as below.

Figure 3.19

SMTP: Enter the SMTP server, port, SMTP sender, password and the SMTP receiver, then when the alarm is triggered, the server will send u an email to inform you what happened. If you are not sure, contact with the connection provider or the network administrator. If you want to send a test email, click 'Test'.

3.2.6 User Management

Users are managed in the User Management dialog box.

Users can be created, modified, and deleted from the User Management dialog box in 'Milesight VMS Client'. Several properties for a user, including user name and password can be changed here. When the button is clicked, it shows as below.

Note: Different users have different permission to access the server.

User Type:

Administrator: Full access to do any settings.

Operator: Do anything except to creating a new user.

Viewer: Can't change any settings but view.



g Server							_
			Config	Server			
General	Camera Management	Schedule	Motion Detection	Network	Vser	Log	Record File
Add	Edit Del						
Index 1	User Nane admin	User Type Administrator					
					OK	Cancel	Apply

Figure 3.20

When the 'Add' button is clicked, it will show as below.

User Config	X
192. 168. 5. 61]
	User Type: Viewer 🔻
	User Name:
	Password:
	Confirm:
	Save

Figure 3.21

3.2.7 Log Management

When the button is clicked, it will show as below. You can change the different log under the option, including 'Event Log' and 'Alarm Log'.



	ime 2013-05-13 🔲▼ 00:0	00:00 🚔 End Ti	me 2013-05-14 🔍 🕶 23:	59:59 🚔 Event Log 🔻 Sear	ch
Index	Datetime	Vser	Event/Alarm	Detail	
1	2013-05-13 09:27:08	admin	Login	Login	
2	2013-05-13 09:28:47	admin	Logout	Logout	
3	2013-05-13 09:31:12	admin	Login	Login	
4	2013-05-13 13:58:05	admin	Logout	Logout	
5	2013-05-13 14:35:57	admin	Login	Login	
6	2013-05-13 14:50:57	admin	Login	Login	
7	2013-05-13 15:59:15	admin	Logout	Logout	
8	2013-05-13 15:59:25	admin	Login	Login	
9	2013-05-13 16:05:44	admin	Logout	Logout	
10	2013-05-13 16:16:27	admin	Login	Login	
11	2013-05-13 16:23:11	admin	Logout	Logout	
12	2013-05-13 16:23:23	admin	Login	Login	
13	2013-05-13 16:26:51	admin	Logout	Logout	
14	2013-05-13 16:26:56	admin	Login	Login	
15	2013-05-13 16:38:33	admin	Login	Login	
16	2013-05-13 16:42:57	admin	Login	Login	
17	2013-05-13 16:47:38	admin	Logout	Logout	



3.2.8 Recording Files

Here is for the downloading the recording files from the Milesight VMS Client.

Over the 'Milesight VMS Client', you can download the recording files to your local pc. Choose the start time and the stop time for the recording files, select the file type, including alarm type and schedule type.

Step 1: Choose a destination where to save the files on your local PC.

Step 2: Right-Click on the list, select the '*Download*' option to download the recording files.

Step 3: Right-Click on the list, select the 'Locate File' option to find out the files.

			Config	Server			
General	Camera Management	Schedule	Notion Detection	Network	User	Log	Record F
■ 192.168. 	5.61 Sta	rt time: 2013-07-23	00:00:00	Stop time: 2013-0	7-23 🖉 🛪 23:59:59	All All	• Search Set Open
	I	ndex File Name		File Type	Start Time	Duration(s)	Status
		161+1_20130723	-091913_2_30. avi	Motion	2013-07-23 09:19:13	30	No Down
						Down	load
						Cance	l Download
						Locate	e File

Figure 3.23



3.3 Client Settings

Local Settings

This part is mainly used for local settings. Select a disk to store the recorded files and images. You can also set how long to keep the operation logs and alarm logs here. (Mainly used in the local recording and snapshoot)

Note: The default disk is the destination disk where you install the 'Milesight VMS Pro'. When click 'Settings->Local Settings' button, the window will show as below.

cordi	ng Path			
	Drivers	Capacity(GB)	Free Space(GB)	
/	C:	108.82	3.46	
1	E :	29.89	7.87	
1	F :	47.74	10.71	
1	Q:	11.72	1.40	
tions				
ptions When	the Free Space I	.eft: 1024 MB	Delete the Earl	ier Files
ptions When The ir	the Free Space I iterval for carou	eft: 1024 MB usel: 30 seconds	Delete the Earl Connect IFC str	ier Files eam directly
ptions When The ir	the Free Space I Merval for carou Enable Alarm Au	.eft: 1024 MB usel: 30 seconds udio: Unable 💌	 Delete the Earl Connect IPC str Enable alarm pop 	ier Files eam directly pup

Figure 3.24

Carousel Settings

Choose an interval between each other. After settings, the cameras in the liveview mode will alternates with different cameras at a time within an interval.

Connect IPC stream directly

Decrease the load of the server when connect IPC stream directly and the server needn't to forward the video stream.

Note: Don't recommend to check this opinion on when several servers connect the same IPC at the same time.

Audio Alarm

Play audio when alarm triggered.

Alarm action

Enable alarm pop up: Check on this option, so If the camera is offscreen, it also going to record. If not, the camera will not going to record.

Windows always on top when alarm: Check on this option, if the 'Milesight VMS Pro' program was minimized, it'll restore to the original size when alarm triggered.



Change Password

Here you can change the password of the 'Milesight VMS Client'.

3.4 File

File->Lock

When click the [Lock] button, the GPI page will be locked. Then click it again, the window will show as below.

admin
OK Cancel



You have to key in Username and Password to unlock it.

File->Exit

Username and Password are required when logging out 'Milesight VMS Client'. And if the [Auto Login] is checked, 'Milesight VMS Client' will login without keying in the Username and Password next time.

Logout	X
User Info	
Vsername:	admin
Password:	00000
	Auto Login 🛛 Save Password
	Logout Cancel

Figure 3.26



3.5 Tool

Tool-> Change Language

Select the language for 'Milesight VMS Client'.

Tool-> Mutil Monitor

Now the 'Milesight VMS Client' support multiple monitors. Here you can do these settings. When click on the 'Mutil Monitor' button, windows pop up as follow. 'Milesight VMS Client' support to use up to 4 monitors now. There are 3 modes you can choose to use in each monitor. Including Live screen mode, Fullscreen mode and alarm screen mode. What you need to do is to drag the cameras to the position of the monitor you want to show.

Live screen mode: For this mode, you can add any cameras which you want to show on the screen. Just drag the camera and move it into the specified monitor.

Fullscreen mode: Click on the main console monitor, double click on the individual position of the camera, then the livevideo will be showed with Fullscreen on the specified monitor.

Alarm screen mode: When the camera is triggered, the livevideo will play on the monitor. (Now only support to display 16 channels at the same time)

Multi-Monitor	×
Monitor List	
Monitor 1:	Main Console 👻
Monitor 2:	Unable -
Monitor 3:	Unable -
Monitor 4:	Unable -
	Cancer

Figure 3.27



3.5 Help

Help->Online Help

Here you can feedback any questions to Milesight and seek any help from Milesight. *Help->About Milesight VMS Pro*

'Milesight VMS Client' information can be checked here.



Figure 3.28

3.6 Toolbar

Add short cut icons for toolbar as below.

	CPU: 41% Memory: 41%
Figure 3.23	

Num	Item	Description
1	Server Settings	Please refer to 3.2.1 Server/Client Settings.
2	Lock/Unlock	Lock/Unlock the 'Milesight VMS Client'. For details, please refer to
		3.3File.
3	Display play toolbar	Display or hide play toolbar.
4	Hide the PTZ	Display or hide PTZ interface.
г	Fullcoroon	You can view the live window in full screen mode. To return to the
5	Fullscreen	normal screen, press [Esc] button on the keyboard.
6	Live view modes	Support 1/2/4/6/9/13/16/36 channels playing synchronously.
7	Synchronous Playback	In the playback mode, choose to playback 4 cameras synchronously.
8	Previous Page	Switch to the previous group cameras when in carousel mode.
9	Next Page	Switch to the next group cameras when in carousel mode.
10	Start/Stop Carousel	Start or stop the carousel mode.



Chapter IV Live view

The 'Milesight VMS Client' software provides the user interface for all tasks including monitoring, searching, reporting and configuration. The interface seems as below.



Figure 4.1

This part is mainly used for real-time video preview and polling mode setting. The first time 'Milesight VMS Client' is started, you should add some cameras to it. You can add the camera manually or by searching cameras. For details please refer to 3.2.1 Camera Settings->Add Camera and 3.2.1 Camera Settings->Search Camera. After adding the camera, you have to drag it to the live window to display the video.

How to connect the camera

Step1: Select a camera at 1 window.

Step2: Double-click on the camera or drag and drop the camera to the individual position. The camera is connected automatically and live videos will show in the selected window. Step3: Repeat step1 to 2 to connect other cameras.

Note: Please make sure the camera is available

How to disconnect the camera

Step1: Select a camera at 1 window.

Step2: Right click the camera name. Select [Enable], the camera will be disconnected. If you want to connect again, click it again.

Step3: Repeat step 1 to 3 to disconnect other cameras.

4.1 Camera Tree Window

This part is to display the added camera name. There are 3 types when click the right mouse button will show as follow.

(1) Right-click on the group

Pop-up Menu:



		Conver Management	Managa the comican
	Server Management	Server Management	wanage the server.
	Server Online	Server Online	Search out the online-server
	Play All	Play All	Play all the livevideo.
1	Stop All	Stop All	Stop all the livevideo.

Figure 4.2

Note: The status of server like follow means the server is out of connection.



Figure 4.3

(2) Right-click on the server

Pop-up Menu:

	Config Server	Config Server	Configure the server.
	Search Camera	Search Camera	Search out the online-camera.
	Server Information	Server Information	Server information.
\checkmark	Enable	Enable	Enable/Unable the server.
	Enable All	Enable All	Enable all the cameras under the server.
	Unable All	Unable All	Unable all the cameras under the server.
	Play All	Play All	Play all the livevideo.
	Stop All	Stop All	Stop all the livevideo.

Figure 4.4 (3) Right-click on the camera

Pop-up Menu:

	Camera Information
	Browse Web
\checkmark	Enable
	Play
	Stop

Figure 4.5

Note:

Camera Information	Please refer to 3.2.2 Camera Settings->Edit Camera.
Browsing Web	Please refer to 3.2.2 Camera Settings->Browsing Web.
Enable	Connect or Disconnect the camera.
Play	Start the live video.
Stop	Stop showing all the videos.

Item	Description	Item	Description
- 👷	available	🎯	unusable
O P	failed to connect	1	alarm status

When the camera is failed to connect successfully the first time, it will try to reconnect at an increasing intervals until it succeed. If it is failed to connect for a long time, drag it into the view to play again. You can also click the camera and enable it, and then enable it again, it will connect successfully again.



4.2 Live toolbar



Figure 4.6

lcon	ltem	Description
ð	Record	Record manually. And this icon will turn into
4	Audio	Play Audio or stop it.(Audio is unusable in the polling live view window)
Ø	Snapshot	Take a snapshot when live-preview.
M	Display	Display.
•	Stop Display	Stop showing the videos.
©,	Zoom In	Enable to zoom in on a specific area of video image with mouse wheel.
8	Fullscreen	You can view the live window in full screen mode. To return to the normal screen, press [Esc] button on the keyboard.

4.3 Live view workspace

This part is use for displaying the live view. Click the right mouse button will show as follow. *Pop-up Menu:*

	Play	Play	Display.
	Stop	Stop	Stop showing the videos.
	Remove	Remove	Remove the camera from the live window.
	Remove All	Remove All	Remove all cameras from the live window.
	16:9	16:9	The original screen size can adjust to 16:9.
	4:3	4:3	The original screen size can adjust to 4:3.
	Resize	Resize	The original screen size.
\checkmark	Mute	Mute	Stop audio.
\checkmark	Mute All	Mute All	Stop playing all the audio.
	Mute Other	Mute Other	Stop playing other audio.
	Exit Fullscreen	Exit Fullscreen	Return to the normal screen.
	Fullscreen	Fullscreen	You can view the live window in fullscreen mode.

Figure 4.7



4.4 PTZ control

This part is for flexibility of remote pan/tilt/zoom through operator control. It is possible to zoom in on small distant objects with exceptional clarity. The user can easily track objects with high precision by using a mouse or joystick.



Figure 4.8

Item	Description
Speed	PTZ rotation speed control.
Brightness	A brighter scene appears if a higher level of brightness has been selected.
Contrast	The difference in color and light between parts of an image.
Saturation	A vivid scene appears if a higher level of saturation has been selected.
Default	The default values of Brightness/Contrast/Saturation.



Chapter V Playback

In this part, you can search and play back the recorded files of a selected IP camera. When click [Playback] button, the window will show as below.



Figure 5.1

How to replay the recorded files

Way1: Asynchronous Playback

Step1: Select which camera to replay on the left, and then check it.

Step2: Select a date and the file type you want to search. The File Type includes: All / Manual / Motion / Schedule.

Step3: Click [Search] button.

Step4: Choose a playback mode, 1/2/4/6/9/13/16 is able to use without synchronously playback. Note: Synchronously playback only supports for 4 panes mode.

Step4: Click the file on the list and it will begin to play the recorded files.

Play toolbar 🕨 🗉 🖷 🗰 🛋 🔍 🔿 😐 🗙

lcon	ltem	Description
•	Play	Play the video.
н.	Pause	Pause the video.
•	Stop	Stop the video.
*	Slow	Slow down to catch details.
*	Fast	Speed up to skip some details.
1	Mute	Play or stop audio.(The default state is to play audio)
e,	Zoom	Enable to zoom in on a specific area of video image with mouse wheel.
Ø	Capture	Take a snapshot when playing the file.
ð	Record	Record the video.
<u>.</u>	Download	Download the recording file.



FullScreen Fullscreen

Color of recorded files on the list.

Red Refer to those alarm type recorded files.



Operative Skills

Timelines will help you find the correct videos when there are too many files on the list. It's easy to zoom out the area by scrolling the mouse wheel to find exactly the incident you are looking for. Take a file near 10:00 for example, when the position of mouse is between 08:00 and 10:00, then scroll up the mouse wheel, the position of this file will show as follow. Scroll down to turn back. You can hold down the left mouse and drag the mouse left or right (between the intervals from 00:00 to 24:00) to get the exact recorded files. Begin:



Figure 5.6



Method 2: Synchronous Playback

MilesightCMS	the second s	- 6 - X
File Settings Tools Help		CPU: 10%
Live Playback Nap		ffen or y: 52%
Default Group	Pane 1 0000-00-00 00:00 00 Pane 2	0000-00-00 00:00.00
		0000-00-00 00:00.00
File Type: All		
	▶ II ■ ◀ ≫ @, <u>+</u> ☆	
Search Time: 2013-07-23 -	00:00 02:00 04:00 06:00 08:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00	24:00
	Pase 1	A
	Page 2	
	Pane 3	
	Page 4	



Step1: Click on the 'Sync palyback' button.

Step2: Select which camera to replay on the left, and then check it.

|| ■ ≪

Step3: Select a date and the file type you want to search. The File Type includes: All / Manual / Motion / Schedule.

Step4: Click [Search] button.

Play toolbar

Step4: Click the file on the list and it will begin to play the recorded files.

▶ 🕀 🔸

Note: Synchronously playback only supports for 4 panes mode. If you want to change the camera in different pane, just right click on the window and choose the 'Remove' option.

lcon	Item	Description
•	Play	Begin to play the video.
н	Pause	Pause to play the video.
	Stop	Stop play the video.
*	Slow	Slow down to catch details.
*	Fast	Speed up to skip some details.
÷,	Zoom	Enable to zoom in on a specific area of video image with mouse wheel.
<u>.</u>	Download	Download the recording file.
\times	Fullscreen	Fullscreen

How to download the recorded files

Here is for the downloading the recording files from the 'Milesight VMS Client'.

Over the 'Milesight VMS Client', you can download the recording files to your local pc. Choose the start time and the stop time for the recording files, then select the file type, including alarm type and schedule type. Then choose a destination where to save the files on your local PC. Right-Click on the file list, select the 'Download' option to download the recording files.





Figure 5.8



Chapter VI Map

In this part, you can add an electronic map and different cameras to the map. The display of map graphics in the Map window can be controlled. The size of the map can be selected, and the map moved in the window to show the required area. Use the zoom in / zoom out buttons or with the mouse wheel to adjust map size. Right-click on the map and choose the 'Lock' option, this would prevent the accidental deleting of the map.

It is easy to navigate between different layers of maps, and to show the maps for cameras in various locations. Here you can add different maps for each server.

Note: Only on the layers of the server, you can drag the cameras to the server map. When click [Map] button, the window will show as below.



Figure 6.1

6.1 Toolbar

Modify When [Modify] button is clicked, the window will show as below. Different image formats such as bmp / gif / png /jpg are supported.

dit Map		×
Map path:		
		Gravi
_	40	Lancel

Figure 6.2



lcon	ltem	Description
8	Delete Map	Remove the map from the 'Milesight VMS Client'.
⊕	Zoom In	Enlarge the picture to see more details.
Q	Zoom Out	Zoom out of the map.
4 7	Reset	Return the map to its original size.
Ŷ	Delete Hot	Remove the camera from the map.

6.2 Pop-up Menu

Right-click the map (anywhere except the cameras). A menu will pop-up as figure 6.3.

Lock Unlock	If the map is locked, you can do nothing with the map but zoom in or zoom out. You can do anything if the map is unlocked.	Lock ✓ Unlock
		Figure 6.3
Right-cli	ck the camera. A menu will pop-up as figure 6.4.	
Dalata	Remove the camera from the man	Delete
Play Liv	ve preview.	Play
-		Figure 6.4

6.3 Add the hot

Click the camera and drag it to the E-map, then it will be added successfully. After the camera has been added on the E-map, you can double click on the hot to play.



Figure 6.5



Chapter VII Milesight VMS Server

An installation of 'Milesight VMS Pro' has two components: server software and client software. The server functions as the intelligence management system forward the rtsp stream. After log on

the 'Milesight VMS Server', it will appear on the right-button like this 🚺.

Right-Click on the icon, the window shows as below.



Figure 7.1

It	tem	Description
Stop	o/Start	Stop/Start running the 'Milesight VMS Server'.
Holp	Online Help	Feedback any questions to Milesight.
пеір	About Us	About 'Milesight VMS Server' version information.
Run Wh	en Startup	Running the program when computer startup.
Regis	ter now	Active the 'Milesight VMS Pro'.
l	Exit	Exit the 'Milesight VMS Server'

Note: Before active the 'Milesight VMS Pro', you can add up to 8 cameras. If you want to use more cameras, please contact with Milesight to active the 'Milesight VMS Pro' via 'Milesight VMS Server'.



Chapter VII Service

Milesight Technology Co., Ltd provides customers with timely and comprehensive technical support services. End-users can contact your local dealer to obtain technical support. Distributors and resellers can contact directly with Milesight for technical support.

Technical Support Mailbox: support@milesight.com

Web: <u>http://www.milesight.com</u>

Online Problem Submission System: <u>http://www.milesight.com/service/feedback.asp</u> Address: Room 606, No.23 Wanghai Road, 2nd Software Park, Xiamen, China Zip Code: 361006 TEL: +86-592-5922772 FAX: +86-592-5922775

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