



Milesight Release Note For CMS

Firmware Version: 2.4.0.16 Release Date: 20th July, 2022

Milesight Technology

1. Overview

Milesight

Milesight, the best-in-class AIoT surveillance solution provider who manufactures products with superior image quality, exceptional flexibility and reliability for the global market, is pleased to announce the release of the new firmware version 2.4.0.16 of the Milesight CMS.

In this version, Milesight CMS achieves many brand new functions such as **Event Playback and Picture Playback function, Device Search function, Recycle Mode of Storage,** etc. Besides, this version compatible with more functions of Cameras and NVR. And there are many other user-friendly features waiting to be explored. You will have a different experience with this version.

2. Firmware link

Firmware	Download URL
2.4.0.16	https://drive.google.com/file/d/1oJRBt0iLs6WsESCqEH759XX-4imxwu5L/view ?usp=sharing

Note:

If it fails to download the firmware via clicking the link directly, please copy the link to browser manually.

3. What's new

Milesight

3.1 New Features

- 1) More playback features are available for a better playback experience.
- Support Event Playback. Users can filter playback videos precisely by different Event Types as needed. And the event videos will be displayed on timeline according to the corresponding event color. This function helps focus more on what matters most.

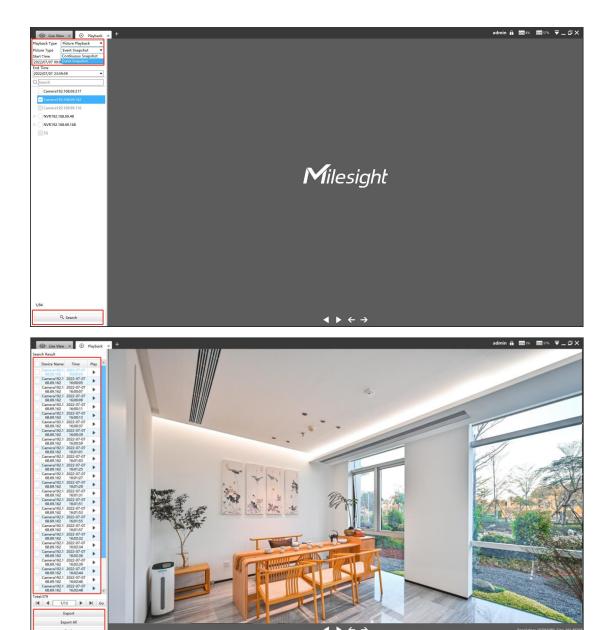


Support Picture Playback. Users can playback by Continuous Snapshot or Events Snapshot of devices. And playback snapshots can also be exported for secure management.

Note:

- Picture Playback supports up to 1 device for each search.
- Picture Playback is unavailable on MS-Nxxxx-xxH.
- Make sure the NVR's version is 7X.9.0.14 or above.
- Make sure the camera's version is XX.7.0.79 or above.
 Firmware download link:

http://www.milesight.com/support/download#firmware



 Support Device Search function. Users can quickly find the target device in the added device list of Live View interface/Playback interface/Device Config interface, greatly improving the user experience.

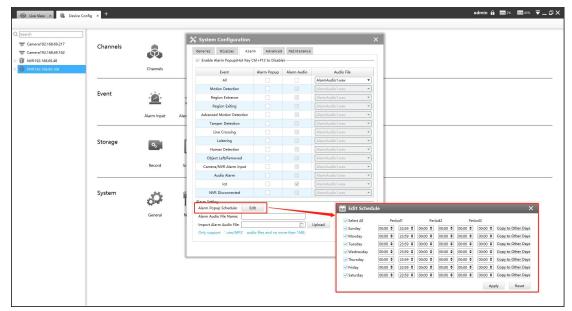


Milesight

- 3) Optimize the Alarm function as follows to facilitate user management.
- Support setting the Alarm Name in NVR Alarm Input, greatly helping to distinguish alarm pop-ups.

NVIC AIdi	rm Input	IPC	Alarm	Input												
Alarn	m Input No	. [1												•	
Alarn	m Type:		NO												•	
Alarn	m Name:	(xx													
	1					Sel	ect All	Cle	ar All							
		0	2	4	6	8	10	12	14	16	18	20	22	24		
Su	unday	0	2	4	6	8	10	12	14	16	18	20	22	24		
M	londay															
-		0	2	4	6	8	10	12	14	16	18	20	22	24		
Tu	Jesday	0	2	4	6	8	10	12	14	16	18	20	22	24		
W	/ednesday	0	2	4	6	8	10	12	14	16	18	20	22	24		
Th	nursday		2	4	0	•	10	12	14	10	10	20	22	24		
		0	2	4	6	8	10	12	14	16	18	20	22	24		
Fri	iday	0	2	4	6	8	10	12	14	16	18	20	22	24		
Sa	aturday															
		0	2	4	6	8	10	12	14	16	18	20	22	24		
Ala	oliday rm Actio dible Warn		Emai	l Linka	ge i	PTZ Act	tion /	Alarm (Dutput	Whi	te LED	0	thers			
Ala	rm Actio		Emai	l Linkaç	ge i		occel les			Whi	te LED	0	thers			
Ala	rm Actio	ing				Sel	ect All	Cle	ar All					24		
Alar	rm Actio	ing 0	2	4	6	Sel 8	ect All 10	Cle 12	ar All 14	16	18	20	22	24		
Alar	rm Actie	ing				Sel	ect All	Cle	ar All					24		
Alar	rm Actie	ing 0	2	4	6	Sel 8	ect All 10	Cle 12	ar All 14	16	18	20 20	22 22		Арр	ŀy
Alar	rm Actie	ing 0	2	4	6	Sel 8	ect All 10	Cle 12	ar All 14	16	18	20 20	22 22	24	Арр	ŀly
Alar	rm Actie	0 0	2	4	6	Sel 8	ect All 10	Cle 12	ar All 14	16	18 18 Co	20 20 py	22 22 0	24	Арр	ly
Alar	rm Actie	0 0 0	2	4	6	Sel 8 8	ect All 10	Cle 12	ar All 14	16	18 18 Co	20 20	22 22 0	24	Арр	ły
Alar	rm Actie	0 0 0	2	4	6	Sel 8 8	ect All 10	Cle 12	ar All 14	16	18 18 Co	20 20 py	22 22 0	24	Арр	ły
Alar	rm Actie	0 0 0	2	4	6	Sel 8 8	ect All 10	Cle 12 12	ar All 14	16	18 18 Co Cla	20 20 py	22 22 0	24	Арр	ly
Alar	rm Actie	0 0 0	2	4	6	Sel 8 8	ect All 10	Cle 12 12 Alar	ar All 14 14	16 16 put	18 18 Co Clo	20 20 py	22 22 0	24	Арр	lıly

 Support Alarm Popup Schedule Settings. Users can customize the alarm pop-up push time. This function meets different use requirements.

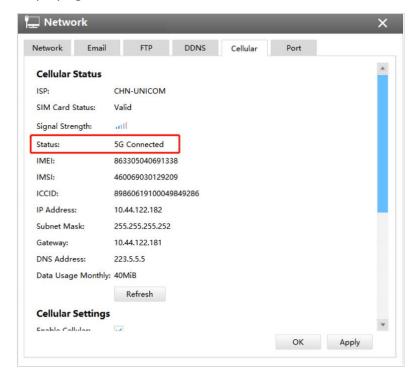


Milesight

4) Support **Recycle Mode** for video recording. Users can make great use of storage space when enabling the Recycle Mode, ensuring the reliability of video files.

	Alarm Advanced	Maintenance	
General:			
Auto Login			
Run CMS when Wind	2.		
Run CMS as Administ	trator		
Quick Exit	2		
Language:	English		•
Log Retention Period:	1 Week		•
Video Save Path:	C:\		D
Snapshot Save Path:	C:\		ŭ
Play Mode:	Least Delay		Ŧ
Recycle Mode:	Disable		
	Disable		
	Enable		
2			

- 5) Compatible with some new features in XX.8.0.2 version or above of Milesight cameras.
- Support displaying the network status of 5G camera.



Support Multi-line Detection or Multi-area Detection for VCA functions. Users

Milesight

can draw up to 4 detection lines or detection areas for corresponding functions, greatly improving monitoring efficiency.

VCA	_		_	_	_		
gion Entrance	Region Exiting	Advanced Motion Det	Tamper Detection	Line Crossing	Loitering	Object Left/Removed	
ieneral Sett	ings	_					
egion		1 🔻					
hable Region I	Entrance	2					
ensitivity:		3					
etection Objec ffective Time	t:	Veh	icle				
		Edit					
et Region		Select All Cle	ar All				
bject Size Limi			eset				
oject size Limi	rts:	Edit K	eset				
		Towner and					
	Region	2					
Region1							
928777 10 10							
0003	Region						
		- 1					
			gion4				
•			Terrory (
Min. Size:	55	x 94	pixel(1x1~3	20x240)			
						OK	App

 Add SFTP protocol type and the alarm video files can be sent to the specific SFTP server for greater security.

Network	Email	FTP DDNS Port	
FTP Serv	ver Settings		-
FTP Type		SFTP	
Server:		FTP	
Server Por	t:	SFTP 22	
User Nam	e:	admin	
Password:		•••••	
FTP Stor	age Setting	gs	18
Storage Pa	ath:	Parent Directory	
Parent D	irectory:	Date	•
Alarm Acti	on File Name:	Customize	•
Video Fi	le Name:	Customize	······································
		chenwk_8608	Reset
		chenwk_8608	0
Image F	ile Name:	Customize	•
		chenwk_8608	Reset
		chenwik 8608	

 Support uploading the Timing Snapshot via HTTP Post and uploading the snapshots to specified HTTP URL.

orage Management	Record Settings	Snapshot Settings				
		snapsnot settings				
Enable Timing Snaps						
Interval:	1		hour	•		
Save Into Storage:						
Upload Via FTP:						
Upload Via Email:	(Please Enab	le Email first.)				
HTTP Post:	 Image: A start of the start of					
URL:	URL 1					
	URL 1 URL 2					
	URL 3					
Enable:						
User Name:						
Password:						
Schedule:	Edit					
					OK	Apply

 Add the "Off" option to Fan Working Mode for PTZ Bullet Plus Camera to meet different requirements.

▶ PTZ		
Basic Privacy Mask Aut	Tracking	
Pan&Tilt Status:	Always Open 👻	
Preset Status:	Always Open 🔹	
Patrol Status:	Always Open 🔹	
Pattern Status:	Always Open 🔹	
Auto Scan Status:	Always Open 🔻	
Preset		
Preset Freezing:		
Speed		
Preset Speed:	5 🔹	
Patrol		
Patrol Recovering:		
Patrol Recovering Time(5-720s):	10 s	
Focus		
Focus Mode:	Semi-Auto 🔻	
Minimum Focus Distance:	6 meters 🔻	
Power Off Memory		
Set Resume Time:	Disable 🔻	
Dehumidifying		
Fan Working Mode:	Off 🗸	
	Off General Enhancement Constant	OK Apply

- Optimize the Alarm Action, Alarm Settings and Scheduling Settings are unified for the same event but different detection line or detection region.
- Support Audio Action Settings and Play Audio Interval Settings for all events.

VA VCA						×
Region Entrance Region Exi	iting Advanced Motion De	et Tamper Detection	Line Crossing	Loitering	Object Left/Removed	
Alarm to SIP Phone:	(riease eliable ule orr.)					
White LED:						-
HTTP Notification:	~					
HTTP Notification URL:	URL 1	•				
Enable:	 Image: A start of the start of					
Trigger Interval:	0	(0-900):				
	http://192.168.69.18:8092	/api/post				
URL:						
UNL.						
HTTP User Name:	Jeffrey					
HTTP Password:	•••••					
PTZ Auto Tracking:	(Please enable the Auto	Tracking.)				
Alarm Setting						
Record Video Sections:	15 seconds 🔻					
Snapshot:	5 🔻					
Snapshot Interval:	1	second 🔻				
External Output Action Time:	30 seconds 🔹 🔻					
Audio Action Settings:	Edit					
Play Audio Interval:	600s 🔻					
White LED Flash Mode:	Twinkle 💌					
White LED Flash Time:	3-0	Reset				
White LED Effective Mode:	Always 🔻					
					OK	
					OK	Apply

- 6) Compatible with some features in 7X.9.0.15 version or above of Milesight NVRs.
- Support Multi-Line Detection or Multi-Area Detection for VCA function. Users can draw up to 4 detection lines or detection areas for corresponding functions, greatly improving monitoring efficiency.

A VCA							
egion Entrance	Region Exiting	Advanced Motion Det	Tamper Detection	Line Crossing	Loitering	Object Left/Removed	
General Setti	ngs						
Line		1 🔹					
Enable Line Cr	ossing	2					
Direction:		3 4 6					
Sensitivity:							
Detection Object		Human Vehicl	e				
Detection Region		Draw Cle	ar				
Object Size Limit		Edit Res					
B Min. Size: 3	#2# A B			A			
With. Size: 15		X [5	pixei(1x1~52	(0x240)		Сору ОК	Apply
						Сору ОК	мрріу

Support copying VCA configuration to other channels.

68.69.217		1
68.69.162	Processor and the second se	
69.48	Region Entrance Region Exiting Advanced Motion Det Tamper Detection Line Crossing Loitering Object Left/Removed	
	General Settings	
	Line 1 •	
	Enable Line Crossing Direction: B->A	
	Sensitivity: 6	
69.168	Detection Object: Vehicle	
05.100	Set Detection Line	
	Detection Region: Draw Clear	
68.69.222	Object Size Limits: Edit Reset	
		M 2 3 4 85 6 7 8 9 10 11 12 3 14 19 16 9 10 11 12 3 14 19 16 9 10 17 28 9 20 21 24 9 10 77 28 9 70 18 11 26 9 10 12 78 16 </td
	Minis Sale Pare(11-3.Clucke) Copy OKApply	Apply

• Optimize Event Status for a more standardized experience.

Camer	Event	Alarm Input List	Alarm Output Li	st W	CA .					
/ Smart E	vent									
Channel	Name	IP Address	Region Entrance	Region Exiting	Advanced Motion Detection	Tamper Detection	Line Crossing	Loitering	Human Detection	Object Left/Removed
1	CAM1	192.168.69.66								
2	CAM2	192,168,64,23							A .	A
3	CAM3	192.168.69.98								π
4	CAM4	192.168.69.242								
5	227									
6										
7	**									
8										
9	111	22								
10	••				A					
11										π.
12										
13	444	22								
14										ж.
15										
16										
17	-									
18										
19				16						A
20										
21		22								
22										

3.2 Optimizations

- 1) Optimize the icon of the installation package.
- 2) Optimize the format of License Agreement.
- 3) Optimize the logic of Image Enhancement configuration to greatly improve the user experience.
- 4) Compatible with German as one of the system languages.
- 5) Optimize the PTZ Control Judgment mechanism.
- 6) Optimize other functions.

3.3 Bug Fixes

- 1) Fix the bug that CMS cannot play the SD card videos of the extranet mapped camera occasionally.
- 2) Fix the bug that the Image Settings of MS-Cxxxx-xPD model cannot be modified on the CMS.
- 3) Fix the bug that Digital Zoom cannot be used when rendering mode is RGB.
- 4) Fix the bug that the operator's speaker permission is not compatible after it is added to NVR.
- 5) Fix other bugs.

