



Milesight\_Release\_Note\_For\_Camera\_XX.7.0.63

Firmware Version: XX.7.0.63

Applicable Model: MS-CXXXX-A/MS-CXXXX-B

Release Date: 23th Jan, 2018

## 1.Overview

Milesight, a leading designer and manufacturer of IP communication products and IP video surveillance products, is pleased to announce the release of the new firmware version (XX.7.0.63) of the Milesight Camera. This updated release includes the optimizations, bug fixes and new features.

## 2.Firmware link

Firmware	Applicable Model	URL
30.7.0.63	MS-CXXXX-XXA	<a href="https://drive.google.com/open?id=12pp_W_ORyhMYSiKd_MGv3MILr3hkuUtg">https://drive.google.com/open?id=12pp_W_ORyhMYSiKd_MGv3MILr3hkuUtg</a>
40.7.0.63/41.7.0.63	MS-CXXXX-XXB	<a href="https://drive.google.com/open?id=1ty3X7mgggE2uCaLG3vVq4OU1GARbnB-6">https://drive.google.com/open?id=1ty3X7mgggE2uCaLG3vVq4OU1GARbnB-6</a>
42.7.0.63	MS-C8262-F(I)PB	<a href="https://drive.google.com/open?id=1nFJMFlwZg22RKqYfxSc-RqwxjCcs1YMH">https://drive.google.com/open?id=1nFJMFlwZg22RKqYfxSc-RqwxjCcs1YMH</a>

### Note:

- (1) This firmware version is suitable for those cameras with a mark "A" or "B" in the model name, for example MS-C3586-PA and MS-C2972-FPB.
- (2) If you failed to get the upgrade firmware through clicking the link directly, please copy the link to browser manually.

## 3.Upgrade Steps

Please check each model with right firmware version as mentioned above, then upgrade as the following steps:

**Step 1:** Go to the web page of IP Camera, Configuration -> Maintenance -> Upgrade Firmware.

**Step 2:** Browse and select files for the upgrade.

**Step 3:** Click the "Upgrade" button after it prompts with uploading file successfully, then please wait about 1-3 minutes. The upgrade will be done after the system reboots successfully.

**Step4:** Use Milesight Smart Tools to search all cameras according to the

MAC addresses, and then change their IP addresses into your local IP addresses.

Here is the link for Smart Tools:

[http://www.milesight.com/DownloadFile/Software/Smart\\_Tools/Milesight\\_Smart\\_Tools\\_Setup.zip](http://www.milesight.com/DownloadFile/Software/Smart_Tools/Milesight_Smart_Tools_Setup.zip)

**Notes :**

- (1) For the new version, you need to re-install the ActiveX. Please close the browser during installation. Otherwise, the ActiveX may not be installed correctly;
- (2) Please clear the cookies and caches of the web browser after re-installing the ActiveX.

## 4. What's new

### 4.1 New Features

- 1) Support ABF Pro Box Network Camera.
- 2) Compatible with Sony sensor IMX385.
- 3) Update the CGI which can support Smart Event.
- 4) Support Smart Stream for Primary Stream, Secondary Stream and Tertiary Stream, and level 0~10 are available to reduce the bandwidth and the data storage requirements for network cameras.

Video Codec:	H.264
Frame Size:	1080P(1920*1080)
Maximum Frame Rate:	30 fps
Bit Rate:	4096 kbps
Smart Stream:	On
Level:	5
Bit Rate Control:	CBR
Profile:	Main
I-frame Interval:	60 frame(1-120)

Save

5) Support 352\*288 frame size of Tertiary Stream.

**Tertiary Stream**

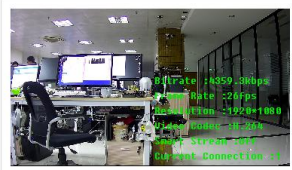
Enable:	<input checked="" type="checkbox"/>
Video Codec:	H.264
Frame Size:	352*288
Maximum Frame Rate:	25 fps
Bit Rate:	1024 kbps
Smart Stream:	Off
Bit Rate Control:	CBR
Profile:	Main
I-frame Interval:	50 frame(1-120)

**Save**

6) Support to display live video on Audio page.

Basic Settings >> Audio

Audio File Manager



Enable Audio:

Audio Mode: Both Mic & Speaker

**Audio Input**

Denoise:

Encoding: G711ULaw

Sample Rate: 8000

Input Gain: 00

Alarm Level: 75

**Audio Output**

Auto Gain Control:

Output Volume: 00

**Save**

7) Support to upload audio files to SD card for H.265 series.

**Audio File Upload**

Audio File Name:

Audio File:  **Browse...**

**Upload**

Note: Only support '.wav' audio files with codec type PCM/PCMU/PCMA, 64kbps or 128kbps bitrate and no more than 500k!

8) Add Day/Night Mode to Enhancement page which supports to synchronize WDR/HLC with Day Enhancement Mode/Night Enhancement Mode.

Single Mode
  Day/Night Mode
  Schedule Mode

BLC Region:

Wide Dynamic Level:

Anti-flicker Level:

High Light Compensation:

HLC Level:

Day Enhancement Mode:

Night Enhancement Mode:

Note: Do not support High Frame Rate while WDR or HLC is enabled.

Save

9) Add Privacy Mask to PTZ Network Camera Series, and the mask area does not move as the lens moves.

Enable:

ID	Name	Type	Enable	Active Zoom Ratio	Edit	Delete
1	Privacy Mask1	White	<input checked="" type="checkbox"/>	1		

Save

10) Add Power Off Memory function to the PTZ Network Camera Series. With this function, the camera will be back to the position where it was before it powered off. The Resume Time means that the camera should be at the position (before powered off) for the set time, then the Power Off Memory will take effect.

**Power Off Memory**

Set Resume Time:

### 11) Add custom configuration to White LED.

White LED Flash Mode:	<input type="text" value="Twinkle"/>
White LED Flash Time:	<input type="text" value="3"/> <input type="button" value="Reset"/>
White LED Effective Mode:	<input type="text" value="Always"/>

### 12) Support Call Preset/Patrol/Pattern to External Input.

Call Preset:	<input type="checkbox"/> Preset ID: <input type="text" value="Preset 1"/>
Call Patrol:	<input type="checkbox"/> Patrol ID: <input type="text" value="Path 1"/>
Call Pattern:	<input type="checkbox"/> Pattern ID: <input type="text" value="Pattern 1"/>

### 13) Support Auto Reboot function.

Auto Reboot Settings	
Enable Auto Reboot:	<input type="checkbox"/>
Day:	<input type="text" value="Everyday"/>
Time:	<input type="text" value="00:00:00"/>

14) Support to zoom in or zoom out by phone key 7 or 9 via DTMF when having a SIP phone call.

15) Support to modify the stream setting when connecting cameras via P2P through mobile APP.

## 4.2 Optimizations

- 1) Optimized the image sharpness of Fixed Lens Network Camera series.
- 2) Optimize the accuracy of 3D positioning.
- 3) Optimize the focus performance of Motorized Lens network camera series, PTZ Network Camera and Speed Dome Network Camera.
- 4) Support to set the amounts of snapshots that could be sent by an email when an alarm need to be uploaded via SMTP.
- 5) Change Time Zone of Turkey from UTC+2 to UTC+3.

- 6) Support to configure Maximum Shutter and Minimum Shutter to the same value.
- 7) Optimize SD Card function.
- 8) Optimize the failed upgrade message.
- 9) Optimized the CPU overload problem of Smart Event.
- 10) Expand the tilt angle of Pan function of PTZ Bullet camera from  $0^{\circ}\sim 45^{\circ}$  to  $-15^{\circ}\sim 45^{\circ}$ .
- 11) Optimize other functions.

### **4.3 Bug Fixes**

- 1) Fix the problem of updating real-time connection numbers of PTZ Network Camera.
- 2) Fix the audio issue.
- 3) Fix the problem of previewing video failed via UPnP.
- 4) Fix the problem that the Motion Detection alarm action can not be triggered in real time.
- 5) Fix the blinking problem of DC aperture.
- 6) Fix the SIP issue, and now it is compatible with H.323 protocol.
- 7) Fix other bugs.