Version Number：2.12.58.24

Applicable Model：A10/A10W/A12/A212/A233/A201

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Revise History

No.	Version	Release Time
1	2.12.44.3	2023.9.11
2	2.12.45.6	2024.4.29
3	2.12.47.1	2024.9.27
4	2.12.49.1	2025.1.2
5	2.12.50.1	2025.5.28
6	2.12.58.3	2025.9.16
7	2.12.58.24	2026.2.28

2 Release 2.12.58.24

Models	Software Version	Comment
A10W/A12/A212/A233/A201	2.12.58.24	

2.1 New Features

1. Support integration with the InformaCast platform.
2. Support compatibility with Milestone Video Management System (VMS).
3. Support RS485 data transparent transmission.
4. Added microphone and speaker health check, with the test results uploaded to FDMS.

2.2 Optimization

1. Optimize and removed TLS 1.0/1.1.
2. Optimize multicast function to support independent volume configuration for each multicast address.
3. Support for displaying the status of external cameras.

2.3 New Features Descriptions

1. Support integration with the InformaCast platform

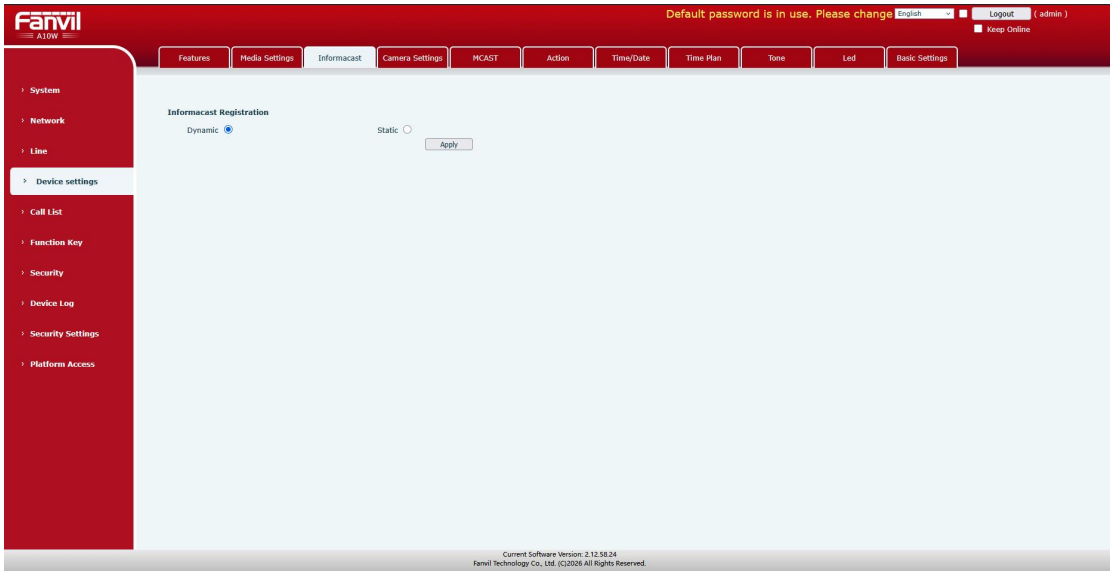
Function description: The device can now be deployed on the InformaCast platform to receive broadcast commands.

Setting method: On the web page [Device Settings] > [InformaCast], you can select either Dynamic Deployment or Static Deployment:

- **Dynamic Deployment:** The device automatically obtains the server address via DNS SRV records or SLP protocol and completes deployment.
- **Static Deployment:** Manually enter the server address for deployment.

After configuration, reboot the device. Upon reboot, the device will automatically request deployment and obtain the configuration file from the server.

For detailed operation steps, please contact Fanvil technical support for the user manual or refer to the official Singlewire documentation.



2. Support compatibility with Milestone Video Management System (VMS)

Function description: Compatible with Milestone Video Management

System.

Setting method: Milestone VMS can automatically scan and add devices via the ONVIF protocol, and perform video preview, monitoring and paging.

3. Support RS485 data transparent transmission

Function description: The device supports receiving data through the serial port and forwarding it transparently to a specified address and port using UDP, TCP or HTTP POST protocols.

Setting method:

1. Log in to the device web management interface, go to [Device Settings] > [Features] > [Serial Port Setting], and set Peripheral Type to Transparent Mode

2. Configure core parameters:

① Baud Rate: Must match the baud rate of the external device connected to the RS485 interface.

② Agreement Type: Select HTTP, UDP or TCP according to the server support.

③ Server Address: Enter the IP address of the target server.

④ Server Port: Enter the port opened on the server for receiving transparent transmission data, which must match the server listening port.

⑤ In addition, Command Interval and HTTP Parameters (configurable only when the protocol is HTTP) can be set.

Configuration Options and Description

Configuration	Value	Description
Peripheral Type	Transparent Mode Disable	Select Transparent Mode to enable transparent transmission.
Baud Rate	300, 600, 1200, 1800, 2400, 4800, 9600, 19200, 38400, 115200	Communication baud rate for the RS485 interface; must match the external RS485 device.
Command Interval	50ms–100ms	If the interval between two data reads from the serial port is less than this value, the data is regarded as one frame.
Agreement Type	None, HTTP, TCP, UDP	Network transmission protocol.
Server Address		IP address of the target server receiving data.
Server Port	0–65535	Port on the server for receiving transparent transmission data.
HTTP Parameter		Additional parameters for HTTP requests.

3. Function Usage:

Data received through the RS485 interface can now be forwarded to a

specified server using UDP.



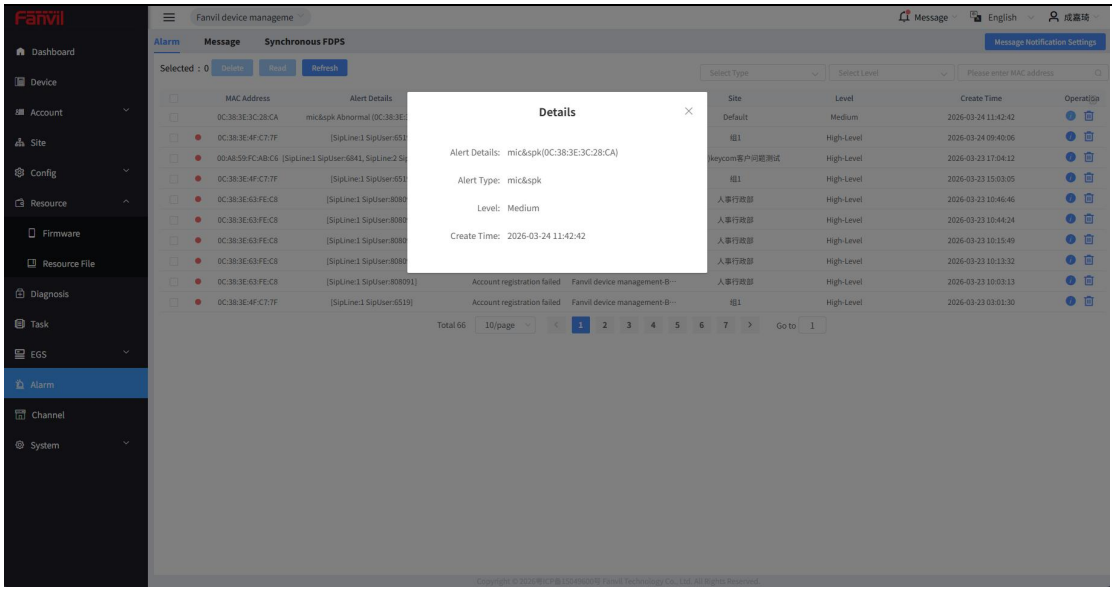
4. Added microphone and speaker health check, with the test results uploaded to FDMS

Function description: The device now supports self-checking of microphone and speaker status to verify whether they are functioning properly.

Setting method:

After deploying the device to the FDMS platform, go to FDMS [Alarm] > [Message Notification Settings] and check mic&spk.

Then use the following URL to trigger the microphone and speaker self-test:http://[Device IP]/cgi-bin/ConfigManApp.com?key=ECHO_TEST.The device will report the test result to FDMS in the specified format.

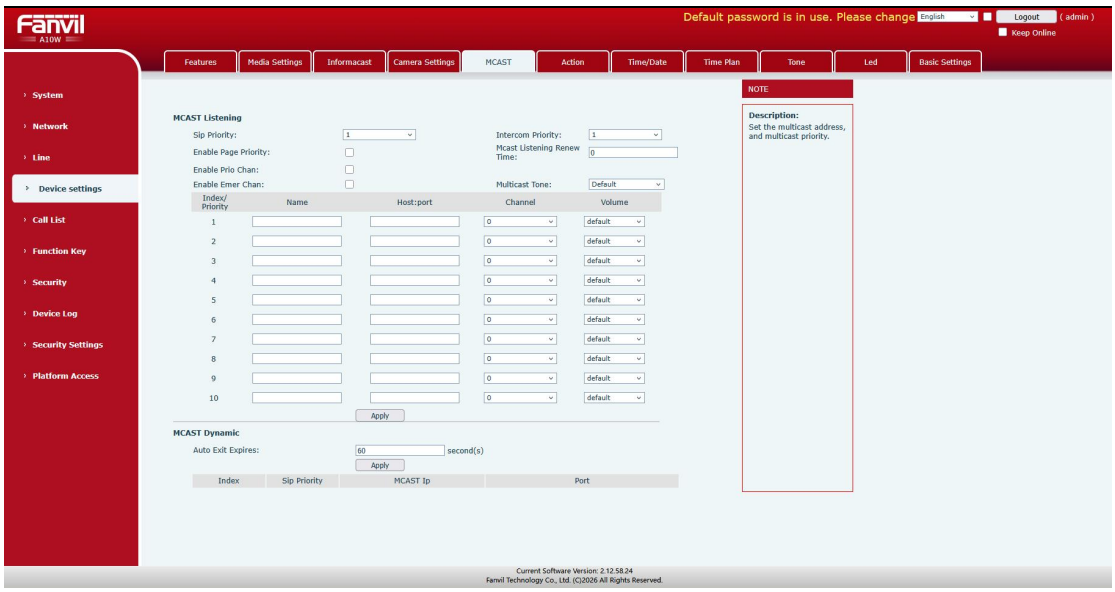


2.4 Optimizations

1. Optimize multicast function to support independent volume configuration for each multicast address.

Function description: Supports independent volume configuration for each multicast address.

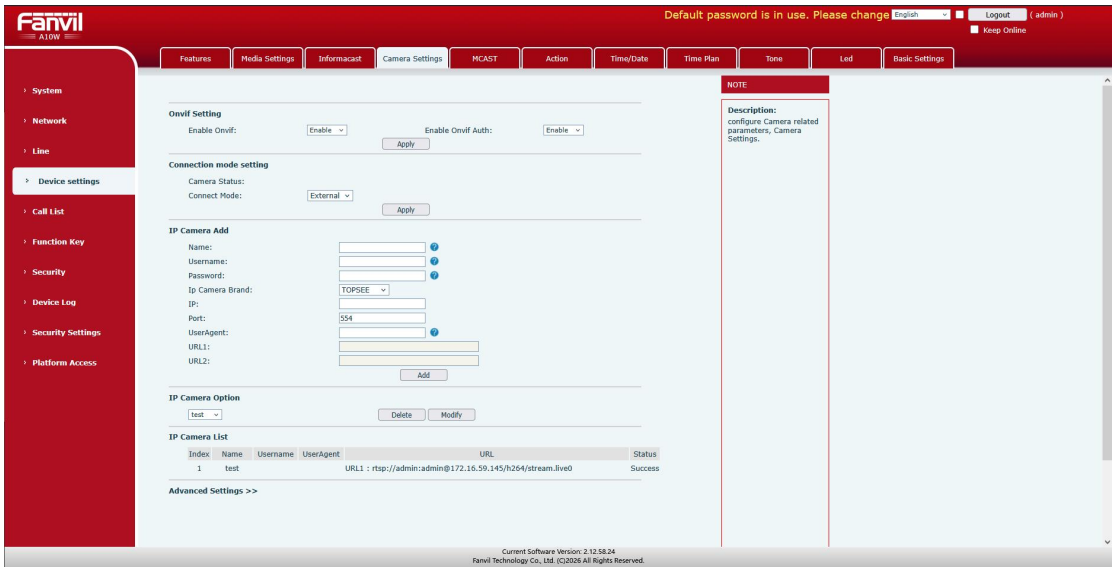
Setting method: On the [Device Settings] >> [MCAST] page, a volume configuration item is added for each multicast address. You can choose between default and volume level 1–9. When default is selected, the global multicast volume is used; when level 1–9 is selected, the user-defined volume is applied.



2. Support for displaying the status of external cameras.

Function description: Optimized video linkage function supports offline reconnection and real-time display of the external camera connection status.

Setting method: On the [Device Settings] >> [Camera Settings] page, after adding an external camera, you can view its current connection status in the camera list.



3 Release 2.12.58.3

Models	Software Version	Comment
A10/A10W/A12/A212/A233/A201	2.12.58.3	

3.1 Optimizations

1. Optimize the hands-free MIC gain configuration: when the gain is set to 0, the device will mute the MIC.

2. Optimize the issue of echo and background noise during calls on A10.

3. Optimize the multicast prompt tone function to support custom prompt tones.

3.2 Bug Fix

1. Fix the issue that the MCAST-Xfer function in Action Plan incorrectly multicast the device's own audio (instead of the remote end's audio) to the target address.

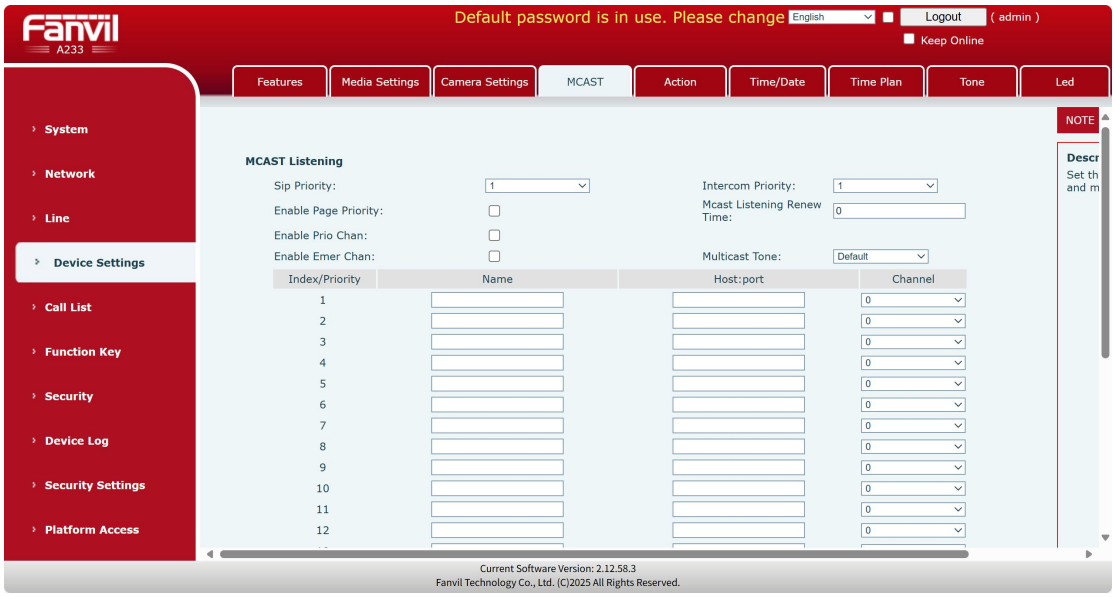
3.3 Optimizations Descriptions

3. Optimize the multicast prompt tone function to support custom prompt tones.

Function description: The multicast prompt tone now supports custom audio files. After configuration, the selected prompt tone will automatically play when the device receives a multicast broadcast.

Setting method: Go to Device Settings → MCAST, find the Multicast Tone option, and select the desired tone.

In addition to the built-in ringtones, you can also upload custom tones via System → Upgrade → Ring Upgrade



4 Release 2.12.50.1

Models	Software Version	Comment
A10/A10W/A12/A212/A233/A201	2.12.50.1	

4.1 New Features

1. Add the feature of enabling voice transmission via RTSP protocol and ONVIF protocol.

2. Add the feature that when triggering the output port via URI, it supports limiting the output duration through the time parameter.

4.2 Optimization

1. Optimize the OpenVPN feature to support entering username and password for user authentication.

2. Optimize and supplement the relevant NC configuration items for the noise alarm.

4.3 Bug Fix

1. Fix the issue that the device crashes when the function key is pressed to initiate a video call after binding a camera in specific environments.

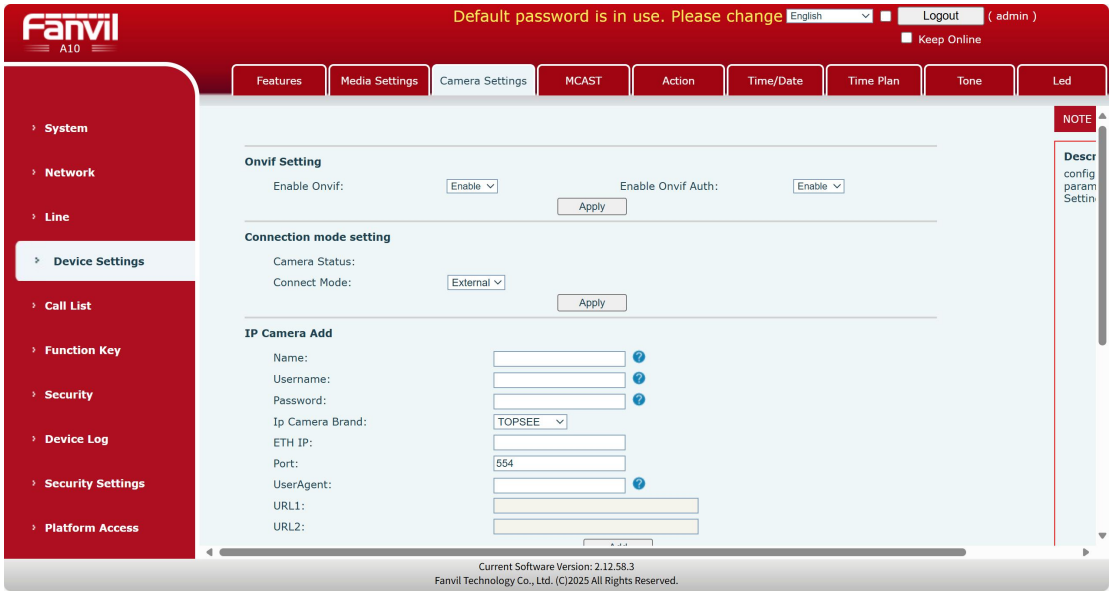
4.4 New Features Descriptions

1. Add the feature that enables voice transmission via RTSP protocol and ONVIF protocol to achieve synchronized audio and video

transmission.

Function description: Device supports voice monitoring via ONVIF protocol and RTSP audio-video streams.

Setting method: In Device Settings - Camera Settings, the ONVIF and RTSP configurations can be modified; ONVIF and RTSP are enabled by default.



2. Add the feature that when triggering the output port via URI, it supports limiting the output duration through the time parameter.

Function Description: When triggering the device's output port via URI, an additional time parameter can be carried to set the output duration (unit: milliseconds), enabling the output port to reset automatically at a scheduled time. If the time value is set to 0, the output port will maintain a continuous output state and not reset automatically.

Setting Method: Taking triggering Output Port 1 as an example, use a URL in the following format:

http://[Device IP]/cgi-bin/ConfigManApp.com?egs&output1=[Trigger Message]&time=[Specific Millisecond Value].

After executing this URL, Output Port 1 will implement scheduled output or continuous output (when time=0) according to the set time parameter.

4.5 Optimizations Descriptions

1. Optimize the OpenVPN feature to support entering username and password for user authentication.

Function Description: It supports entering a username and password to implement a dual authentication mechanism combining certificate authentication and user authentication.

Setting Method: In Network - VPN - OpenVPN Setting, check [Enable User Auth] and enter the username and password.

5 Release 2.12.49.1

Models	Software Version	Comment
A10/A10W/A10C/A12	2.12.49.1	
A212/A233/A201	2.12.49.6	

5.1 New Features

1. Supports onvif scanning and configuration.
2. Add the noise alarm function.

6 Release 2.12.47.1

Models	Software Version	Comment
A10/A10W/Y501/Y501-Y/Y501W/Y501W-Y	2.12.47.1	

6.1 New Features

1. Supports seamless alarm reporting function.
2. Built-in default WiFi information (A10W/Y501W/Y501W-Y).
3. Supports diagnostic and device information retrieval via FDMCS.

6.2 Optimization

1. Improved features for automatic deployment.
2. Enhanced functionality for wireless buttons.

7 Release 2.12.45.6

Models	Software Version	Comment
A10/A10W/Y501/Y501-Y /Y501W/Y501W-Y	2.12.45.6	

7.1 New Features

1. Supports HTTP API interface.

7.2 Optimization

1. Supports reporting button presses and button names via action URL.
2. Supports setting multicast volume.

7.3 Bug Fix

1. Fixed the issue where the ringback tone is abnormal when the device makes simultaneous calls.
2. Fixed the issue where the action URL reports incorrect status under certain circumstances.
3. Fixed issues related to the Y501 series wireless buttons.

8 Release 2.12.44.3

Models	Software Version	Comment
A10/A10W/Y501/Y501-Y/Y501W/Y501W-Y	2.12.44.3	

8.1 New Features

1. Supports calling multiple numbers at the same time

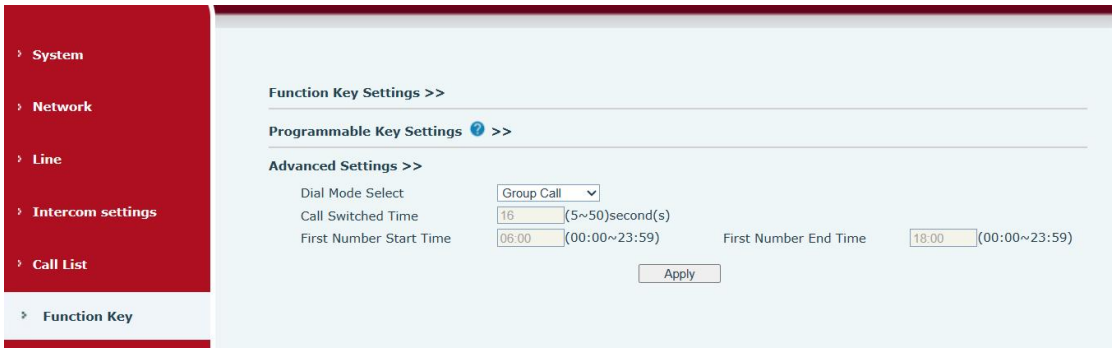
8.2 Optimization

1. Support with intercom broadcasting APP for timed broadcasting, real-time broadcasting and shouting, etc.

8.3 New Features Description

1. Supports calling multiple numbers at the same time

(1) Function Key>>Advanced Settings>>Dial Mode Select , select "Group Call".



(2) Set DSSKey1, type as "Memory Key", subtype as "Speed Dial", add multiple IP addresses or numbers, and click Submit.

(3) Press the Function Key, then it will call out all the numbers at the same time; when one number answers, it will hang up the other numbers automatically.

