Version Number：2.12.52.11

Applicable Model：A12V

Date：2026.2.28

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Content

1 Revise History

No.	Version	Release Time
1	2.12.52.11	2026.2.28
2	2.12.49.8	2025.9.16
3	2.12.48.6	2025.1.21

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2 Release 2.12.52.11

Models	Software Version	Comment
A12V	2.12.52.11	

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.
5. Support for external cameras.

2.2 Optimization

1. Optimize and removed TLS 1.0/1.1.

2.3 New Features Descriptions

1. Support integration with the InformaCast platform

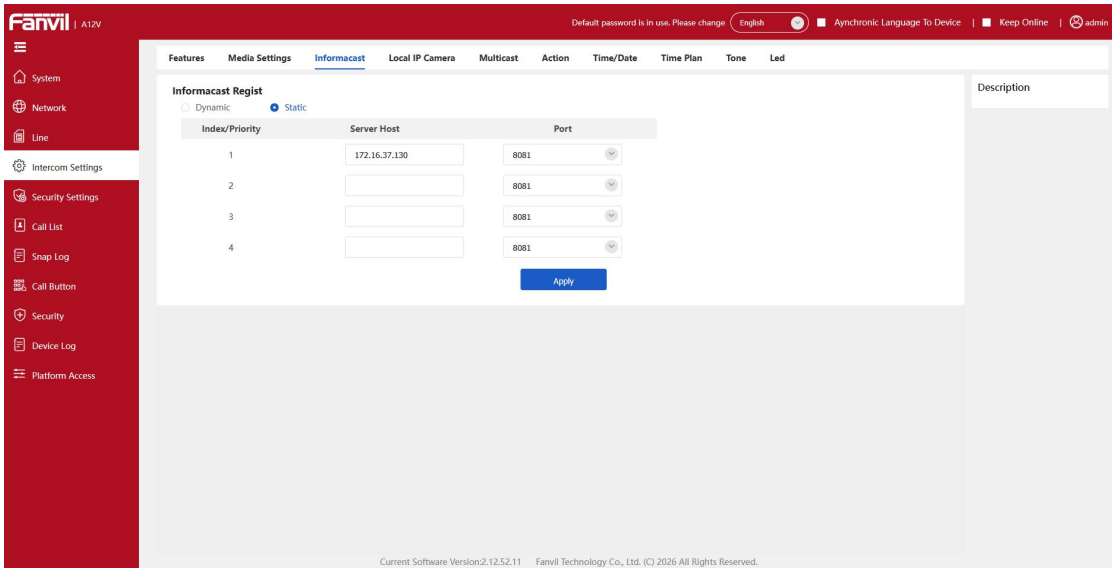
Function description: The device can now be deployed on the InformaCast platform to receive broadcast commands.

Setting method: On the web page [Intercom 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 [Intercom 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.

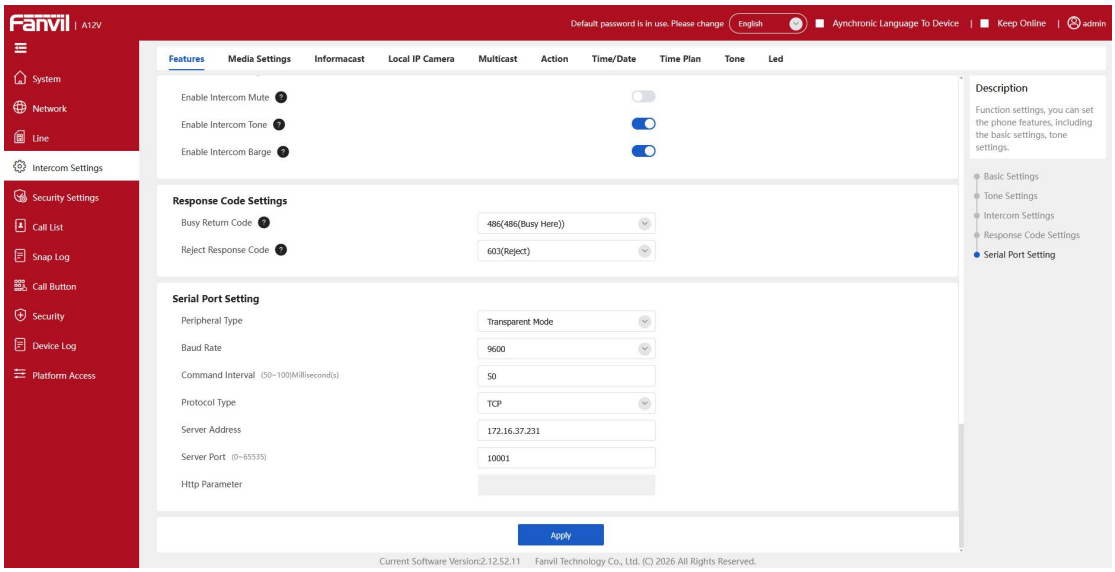
Configuration Options and Description

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.



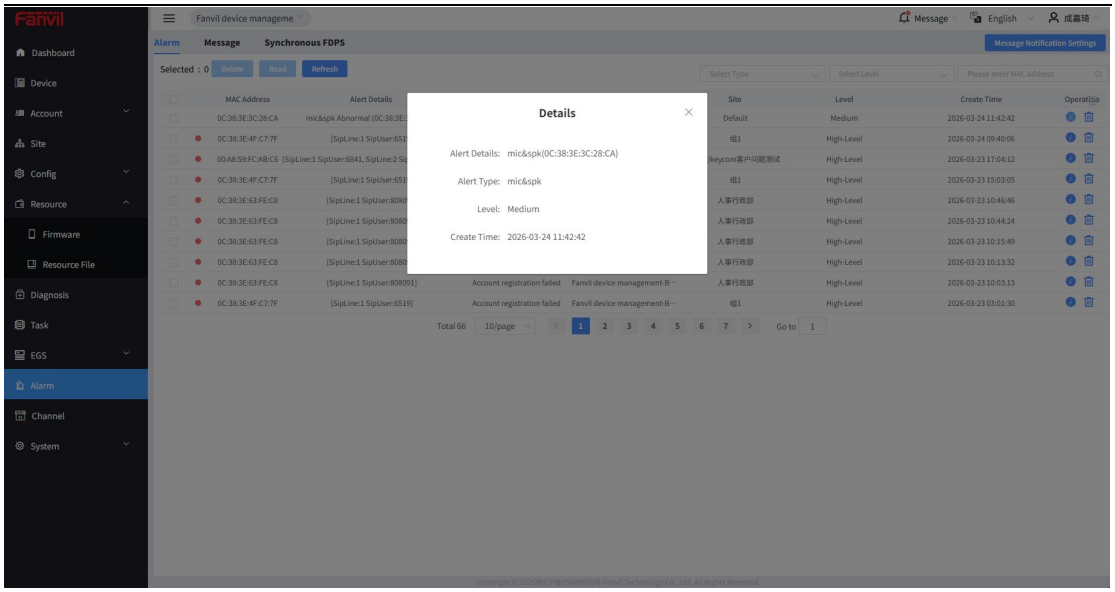
4. Added microphone and speaker health check, with the test results uploaded to FDMS.

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.

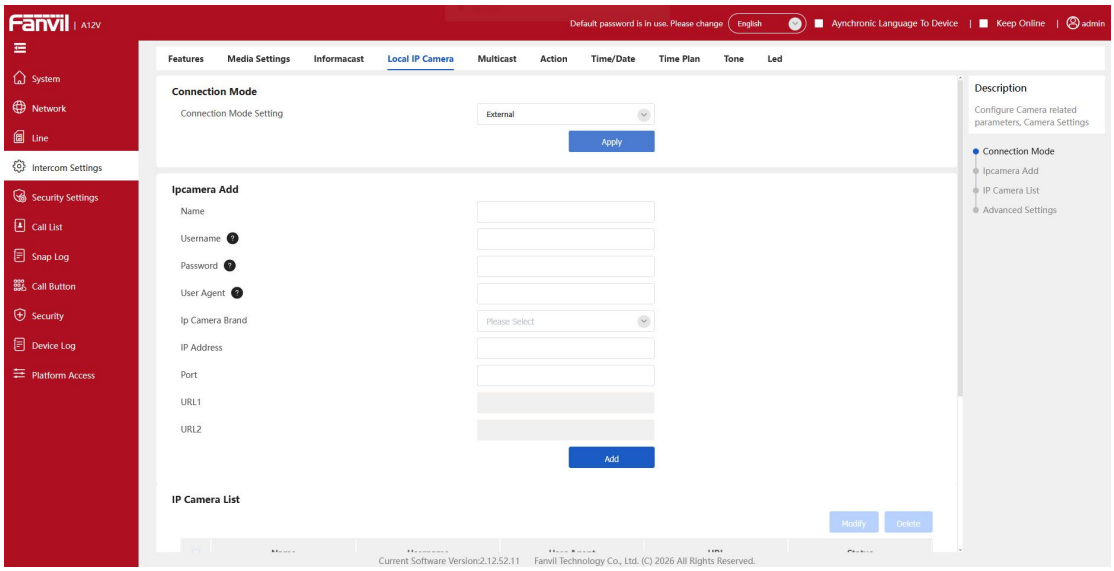
Then use the following URL to trigger the microphone and speaker self-test:http://[Device IP]/cgi-bin/ConfigManApp.com?key=ECHO_TEST.The device will report the test result to FDMS in the specified format.



5. Support for external cameras.

Function description: Supports adding external cameras.

Setting method: On the web interface, go to [Camera Settings] > [Connection Mode Settings], select the external option and save the configuration. You can then add external cameras via the web interface. During subsequent video calls with other devices, the peer end will directly display the real-time video stream from this external camera.



Parameters	Description
Ipcamera Add	
Name	Enter a custom name for the external device to distinguish between different devices.
Username	Authentication username for the external device, used to verify the access permission of this device.
Password	Authentication password for the external device, used to verify the access permission of this device.
User Agent	Enter the user agent parameter to be included in the access URL.
Ip Camera Brand	Select the manufacturer of the external camera. Currently supported: TOPSEE\XM\HIK\Dahua\AXIS\Digital Watchdog\Custom ● If your camera is from one of the above manufacturers, after entering the username, password, IP address and port, the system will automatically generate the corresponding camera access URL during addition; manual configuration of the video stream address is not required. ● If your camera is not from the above manufacturers, select Custom and enter the full access URL of the camera to add it.

IP Address	Enter the IP address of the external camera.
Port	Enter the port of the external camera.
URL1/URL2	When the camera type is set to Custom, you can enter the full access URL of the camera to add it.

3 Release 2.12.49.8

Models	Software Version	Comment
A12V	2.12.49.8	

3.1 New Features

1. Add the feature of supporting ONVIF scanning and configuration.

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

3.2 Optimizations

1. Optimize the noise cancellation feature to ensure clearer voice transmission to the remote end in noisy environments.

2. Optimize the feature to support broadcasting audio files via the MCAST Paging function key.

3.3 Bug Fix

1. Fix the issue of audio delay on the local end when playing remote audio after prolonged calls.

2. Fix the issue that snapshots cannot be saved after being triggered by humanoid recognition.

3. Fix the issue of firmware update failure via SD card.

3.4 New Features Descriptions

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

Function description: A12V supports voice monitoring via ONVIF protocol and RTSP audio-video streams.

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