

Fanvil

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Release Note

Version:2.1.1.3396

Model:i20S/i30/i31S/PA2

Date:2018-01-06

1 New Features

1. Add the feature of custom URL for external camera model custom (PA2)
2. Add the feature of camera connection checking
3. Add the feature of SIP TLS and TCP via STUN
4. Add the feature of firmware rollback control
5. Add the feature of restricting different model can't upgrade each other's features
6. Add the feature of serial number can be customized using TR069
7. Add the feature of getting access to the HTTP user agent using TR069
8. Add the feature of H264 payload Type configuration
9. Add the feature of camera authentication function (PA2)

2 Optimization

1. Optimized the feature of acoustic performance. (I31S)
2. Optimized the feature of power control of the camera. (PA2)
3. Optimized the feature of filtering method of SEI.
4. Optimized the feature of identification of the camera type. (I30)
5. Optimized the feature of default value of HTTP user agent/sip user agent.
6. Optimized the feature of unification of web language and UI language.

3 Bug Fixes

1. Fixed the feature that camera mode cannot be configured because of the network mode.
2. Fixed feature that sending registration package will not be resent on the condition that SIP TLS registration failed
3. Fixed feature that SIP initialization array cross-border issue

4. Fix the issue of restarting repeatedly after upgrade occasionally.
5. Fixed the problem of SIP process procedure of cseq based on CANCEL/ACK
6. Fixed the issue of web logon failed issue and the certificate packing failure issue
7. Fixed the feature that using the specific (Banmak) server can't make video calls.

4 New Features Descriptions

1. Add the feature of custom URL for external camera model custom (PA2)

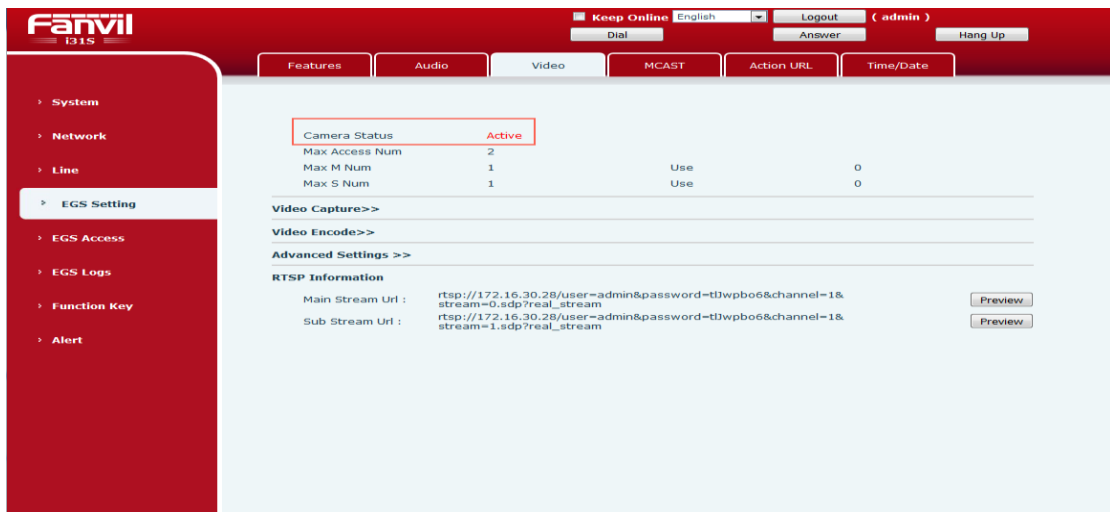
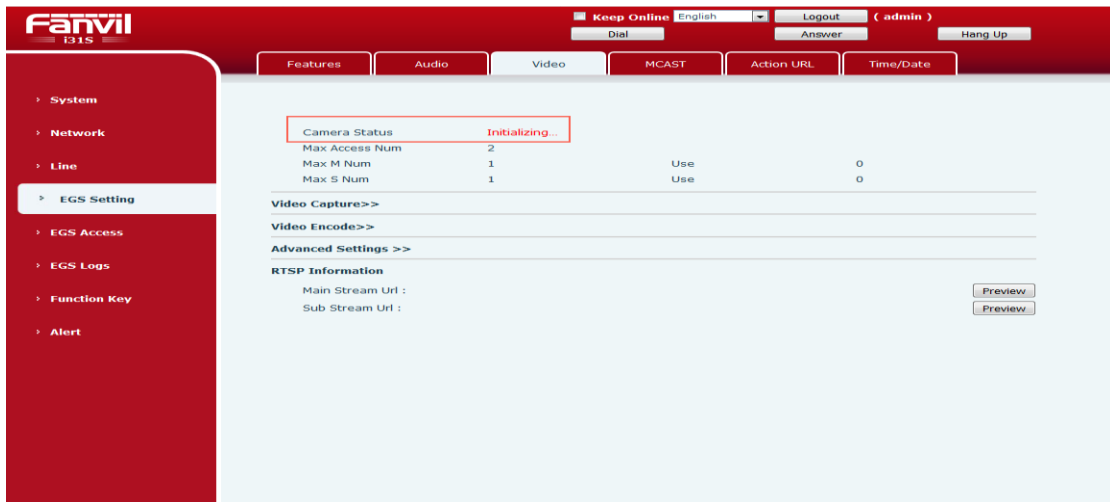
Web configuration path: Intercom Settings– Video

The screenshot displays the Fanvil PA2 web configuration interface. The left sidebar shows the navigation menu with 'Intercom settings' selected. The main content area is titled 'Video' and includes a status bar with 'Keep Online', 'English', 'Logout (admin)', 'Dial', 'Answer', and 'Hang Up' buttons. Below this, there are tabs for 'Features', 'Audio', 'Video', 'MCAST', 'Action URL', and 'Time/Date'. The 'Video' tab is active, showing a table with camera status and access numbers. The 'Connection mode setting' section has a 'Connect Mode' dropdown set to 'External'. The 'Ip Camera Settings' section includes fields for Position, User, Password, Ip Camera Brand (set to 'CUSTOMER'), IP, Port, Main Stream Url, and Sub Stream Url. The 'Advanced Settings' section includes 'RTSP Information' with 'Main Stream Url' and 'Sub Stream Url' fields and 'Preview' buttons.

Description: Select "CUSTOMER" after IP Camera Brand corresponding to IP Camera Settings. You can customize the values for Position, Main Stream URL, and Sub Stream URL. Resolve that the automatically generated RTSP Url does not match the camera's actual RTSP Url

2. Add the feature of camera connection checking

Web configuration path: EGS Settings– Video



Description: Camera Status to view the current camera connection status. There Initializing, Connection failure, Authentication failure, Active, Inactive, Rebooting several states.

Max Access Num: The largest video is the number of visits

Max M Num: The largest number of main stream to visit

Max S Num: The maximum number of sub-stream to visit

Use: The value corresponding to the number of streams has been visited

3. Add the feature of SIP TLS and TCP via STUN

Web configuration path: Line – SIP

Fanvil 1315 | Keep Online | English | Logout (admin) | Dial | Answer | Hang Up

SIP | **Basic Settings** | Dial Peer

Line: SIP 1

Basic Settings >>

Line Status	Registered	SIP Proxy Server Address	172.16.7.255
Phone number	004	SIP Proxy Server Port	5060
Display name		Backup Proxy Server Address	
Authentication Name	004	Backup Proxy Server Port	5060
Authentication Password	*****	Outbound proxy address	
Activate	<input checked="" type="checkbox"/>	Outbound proxy port	
		Realm	

Codecs Settings >>

Advanced Settings >>

Apply

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Fanvil 1315 | Keep Online | English | Logout (admin) | Dial | Answer | Hang Up

SIP | **Basic Settings** | Dial Peer

Enable DND Ring Type: Default

Blocking Anonymous Call Conference Type: Local

Use 182 Response for Call waiting Server Conference Number

Anonymous Call Standard: None Transfer Timeout: 0 Second(s)

Dial Without Registered Enable Long Contact

Click To Talk Enable Use Inactive Hold

User Agent: User Agent Use Quote in Display Name

Response Single Codec

Use Feature Code

Enable DND DND Disabled

Enable Blocking Anonymous Call Disable Blocking Anonymous Call

Specific Server Type: COMMON

Registration Expiration: 3600 Second(s)

Use VPN

Use STUN

Convert URI

DTMF Type: RFC2833

DTMF SIP INFO Mode: Send */#

Transportation Protocol: TCP

Local Port: 5060

SIP Version: RFC3261

Caller ID Header: PAI-RPID

Enable Strict Proxy

Enable user-phone

Enable SCA

Enable DNS SRV

Keep Alive Type: SIP Option

Keep Alive Interval: 60 Second(s)

Sync Clock Time

Enable Session Timer

Session Timeout: 0 Second(s)

Enable Rport

Enable PRACK

Auto Change Port

Keep Authentication

Auto TCP

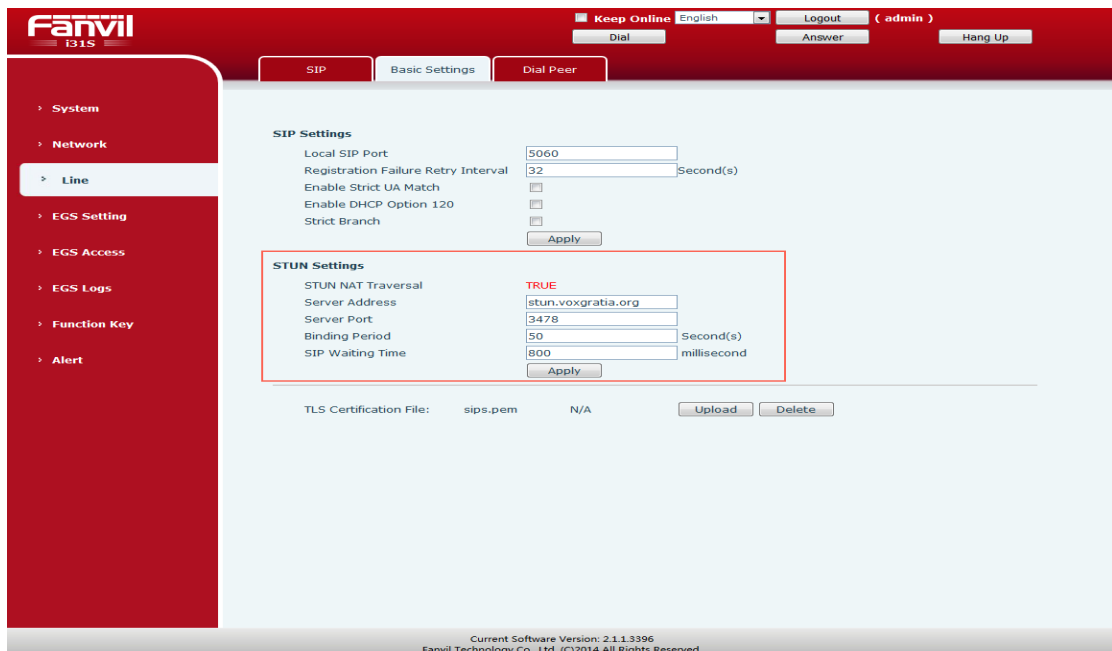
Enable Feature Sync

Enable GRUU

RTP Encryption RTP Encryption Key

Apply

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Description: Set the stun configuration items and protocol type, register the server number, call the packet filtering SIP SDP can see the stun obtained IP, TCP and TLS Stun only change sdp address.

4. Add the feature of firmware rollback control

Description: Firmware upgrade can only be upgraded to the same version or later, not allowed to upgrade to earlier version (function is disabled by default)

5. Add the feature of restrictions different model can't upgrade each other's features

Description: Different models cannot be upgraded between products, each with its own PID.

6. Add the feature of serial number can be customized in TR069

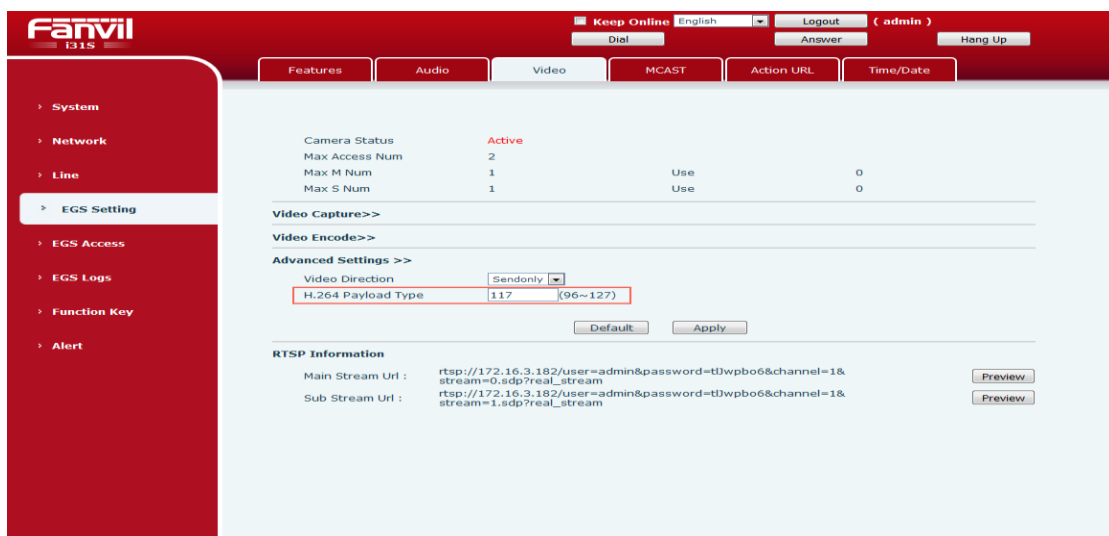
Description: Add a custom format in device.txt: "serialNumber = xxx\$mac!". After the upgrade of Synthetic version, filter package will see the customized information when enable TR069.

7. Add the feature of getting access to the HTTP user agent using TR069

Description: Add the feature of getting access to the HTTP user agent using TR069. You can get the basic info from TR069 packet.

8. Add the feature of H264 payload Type configuration

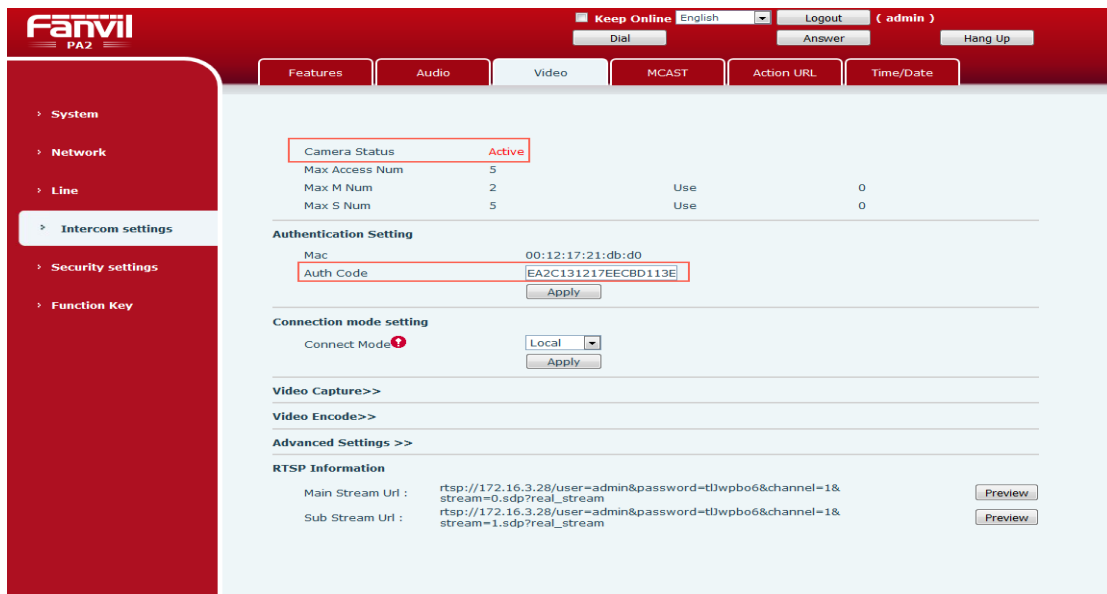
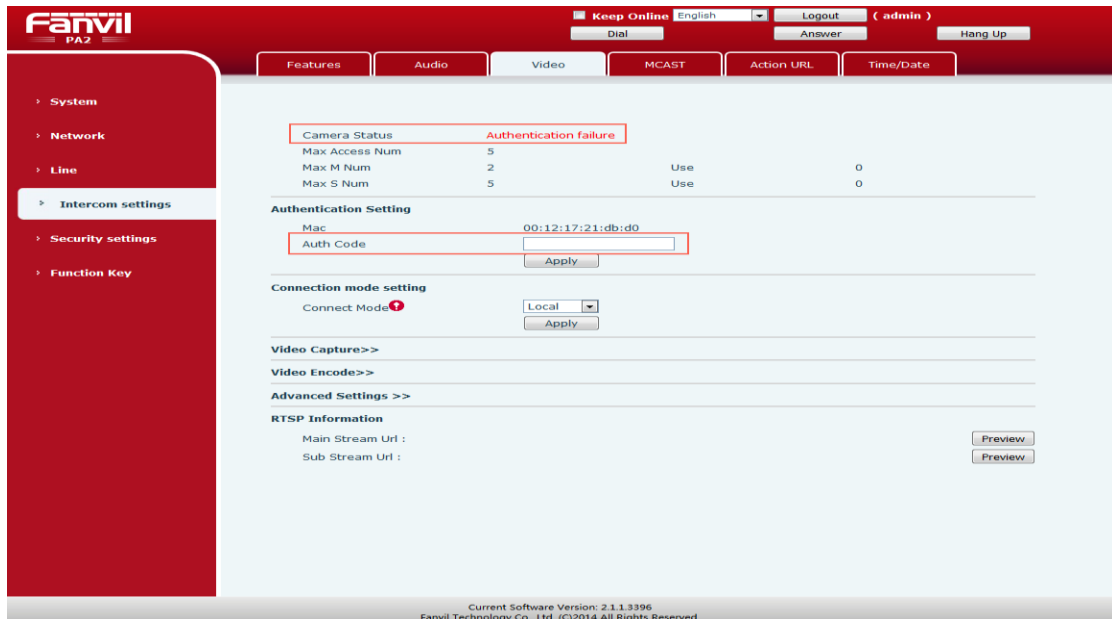
Web configuration path: EGS Setting – Video



Description: In Advanced Settings H.264 Payload Type input box to fill in the configuration value. The caller will use this value for video calling.

9. Add feature of camera authentication function (PA2)

Web configuration path: Intercom Settings– Video



Description: If the camera status shows "Authentication failure", the authentication fails. You need to enter the camera authentication code in authentication code field, only through the authentication video function can be used normally.