Grandstream Networks, Inc.

IPVideoTalk Account Configuration on 3rd Party Device

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OVERVIEW

Users could configure the IPVideoTalk IDs on most popular brands of devices such as Polycom, Huawei, Yealink, Cisco and so on.

Configuration Steps:

1. To configure the IPVideoTalk IDs as SIP accounts, users need to configure the options below:
   - SIP Account: Users need to configure the IPVideoTalk IDs as the SIP accounts.
   - SIP Password: Users need to configure the password of the IPVideoTalk ID in the device.
   - Server Address: Users need to configure the IPVT10 server address in the SIP Server Address option. If the SIP server port is customized port, users need to configure the server address with the customized port such as "IPVT10 Server Address: Port Number".
   - SIP Registration: Enabled
2. SIP Transport/Port Configuration:
   - TLS mode is recommended as the SIP Transport.
   - The SIP port configuration is **5060** (TCP, UDP) / **5061** (TLS), and if users want to configure the customized port for IPVT10, please configure the customized SIP port for this option.
3. Join into IPVideoTalk Meetings:
   - On the dialing interface of the device, users could input the meeting ID to join into the IPVideoTalk meeting.
   - For some certain devices (Polycom and Cisco), users need to input "Meeting ID@IP Address: Port Number" to join into the IPVideoTalk meeting.

Here are the configuration instructions for some typical devices (Some devices require special configurations):

- Polycom Real Presence Debut TM
- Huawei TEX0
- Yealink VC400
- Cisco SX20

CONFIGURATION ON TYPICAL DEVICES

Configure Polycom Real Presence Debut TM

Dialing Configuration

In order to ensure the security of the call, it is recommended to enable "Encryption Mode" in the device. This mode will force the device to use TLS protocol as the SIP Transport, otherwise, the service cannot be used normally.

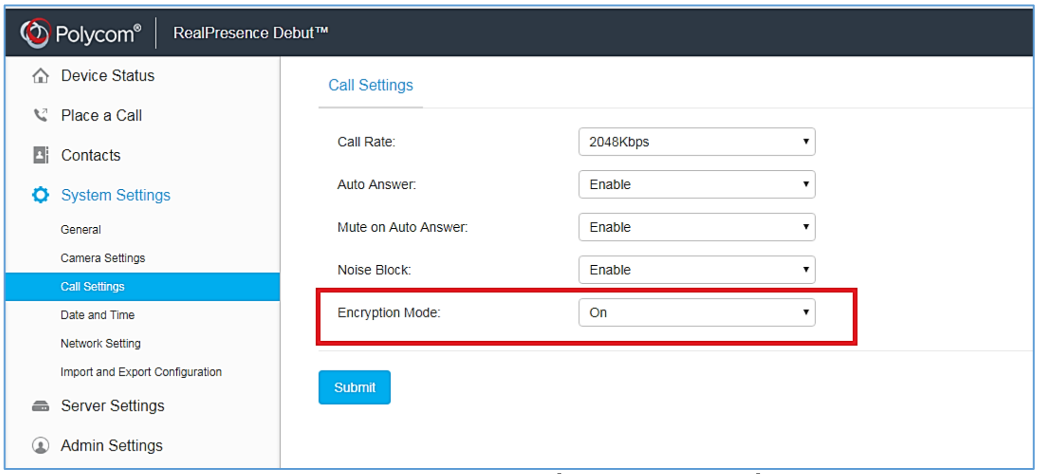

Figure 1: Polycom RealPresence Web UI → System Settings → Call Settings

Configure SIP Account

Users need to configure the SIP account, password, server address (Users need to fill in the port number such as "IP:Port"), and SIP protocol (Set as TLS) in the device.

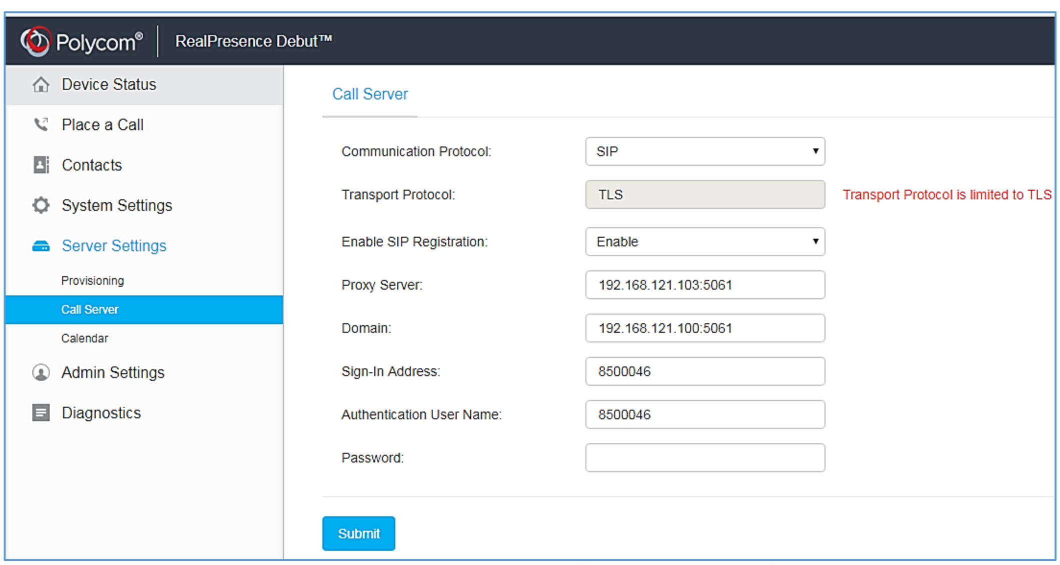

Figure 2: Polycom RealPresence Web UI → Server Settings → Call Server

Dialing Operation

Users could input the “Meeting ID@IP:Port Number”to dial into the IPVideoTalk meeting.

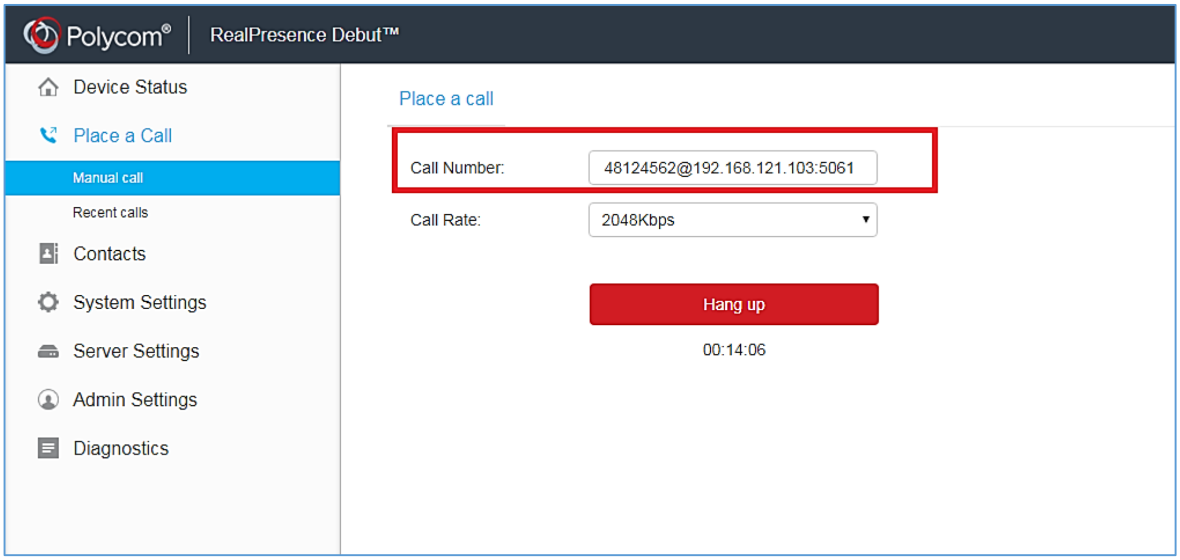

Figure 3: Polycom RealPresence Web UI → Place a Call → Manual Call

Configure Huawei TEX0

Configure SIP Account

Users need to configure the SIP account, password, server address, SIP protocol, and port number in the device.

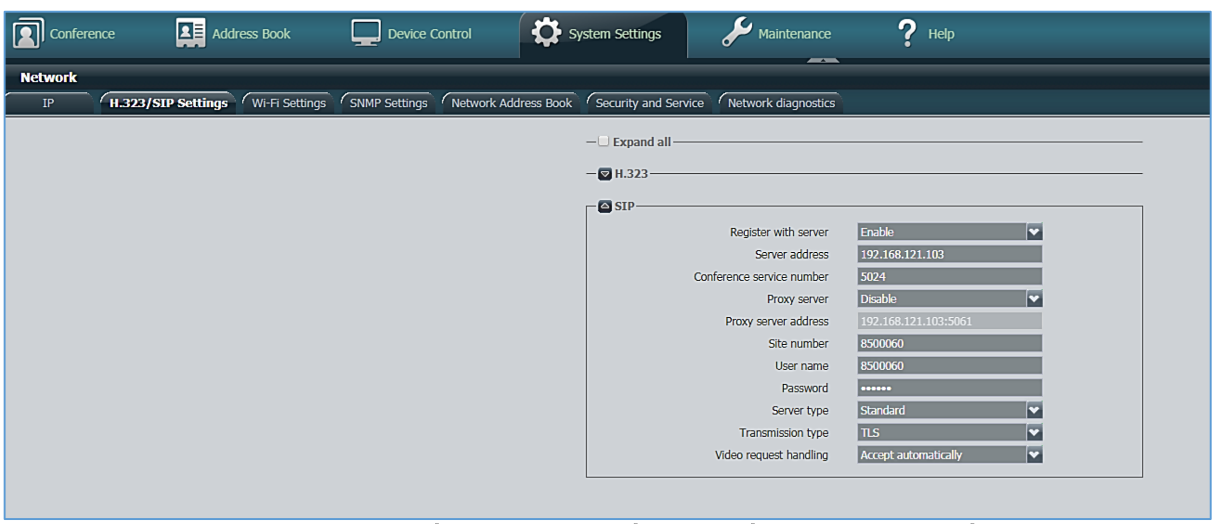

Figure 4: Huawei TEX0 → System Settings → Network → H.323/SIP Settings → SIP

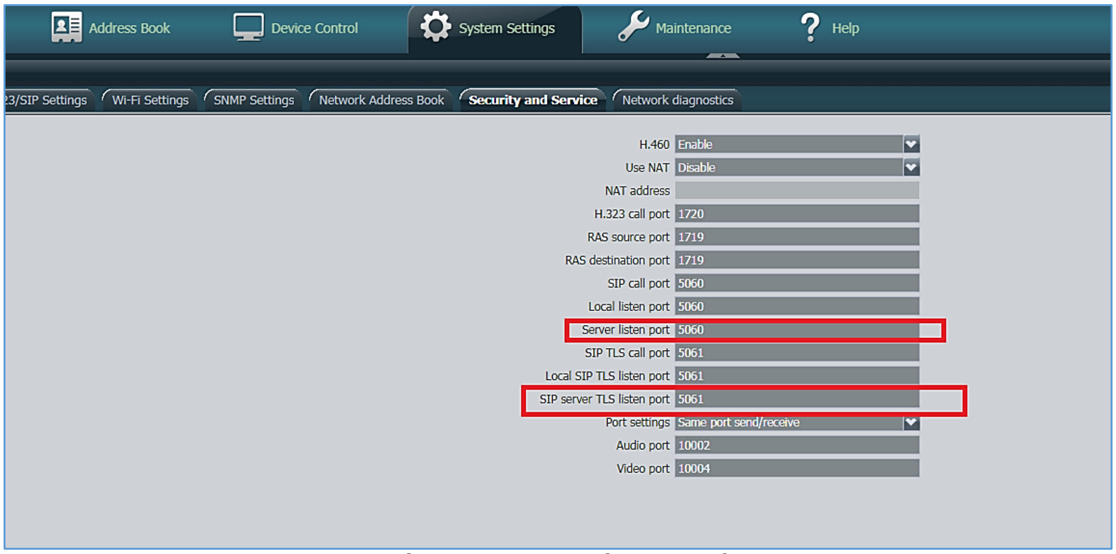

Figure 5: Huawei TEX0 → System Settings → Network → Security and Service

Configure SRTP

Users have to enable "Encryption" option in the device before using the device, otherwise, it will cause the called function abnormal issues.

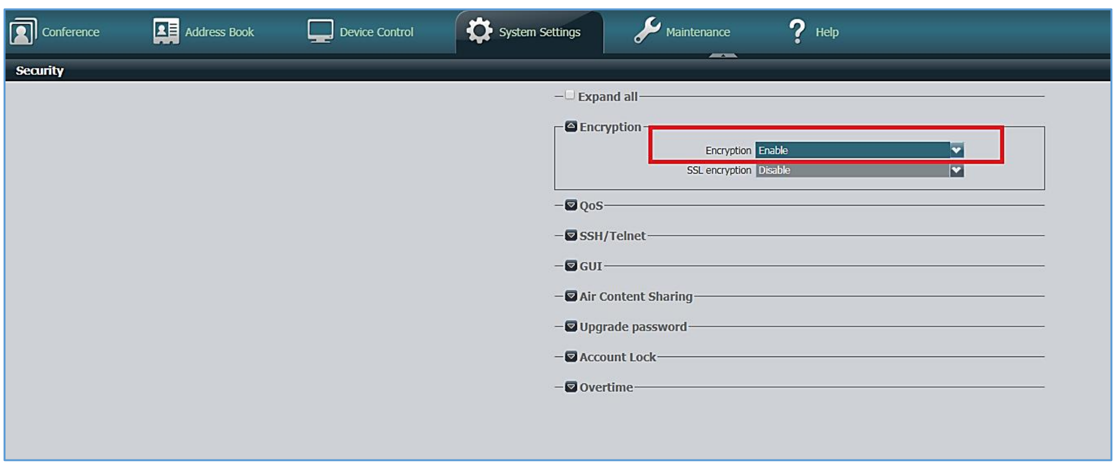

Figure 6: Huawei TEX0 → System Settings → Security

Dialing Operation

Users could input the IPVideoTalk ID on the dialing interface to dial into the IPVideoTalk meeting. Please note that users need to select option "Line Type" as "SIP".

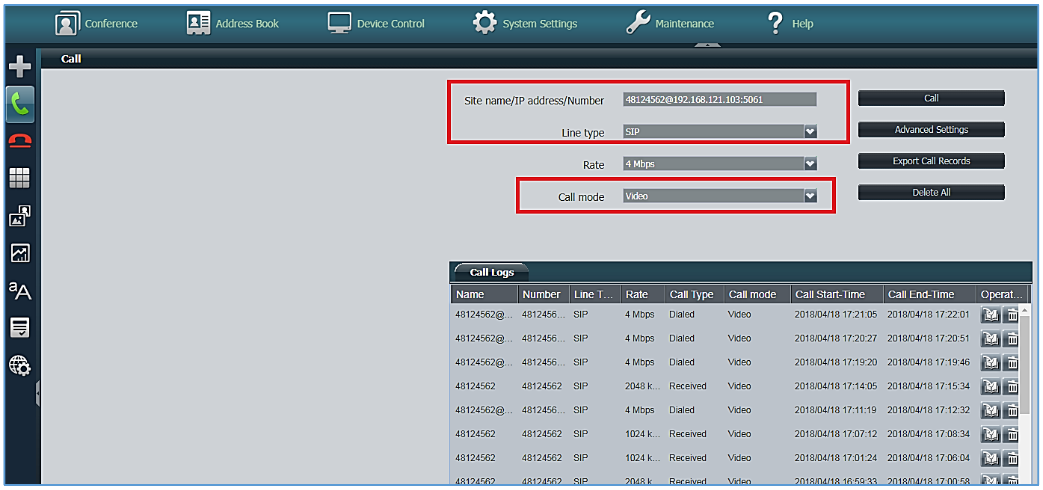

Figure 7: Huawei TEX0 → Dialing Page

Configure Yealink VC400

Configure SIP Account

Users need to configure the SIP account, password, server address, SIP protocol, and port number in the device. Users also need to configure "SRTP" option as "Compulsory", "DTMF Type" option as "RFC2833" before using the device for IPVideoTalk services.

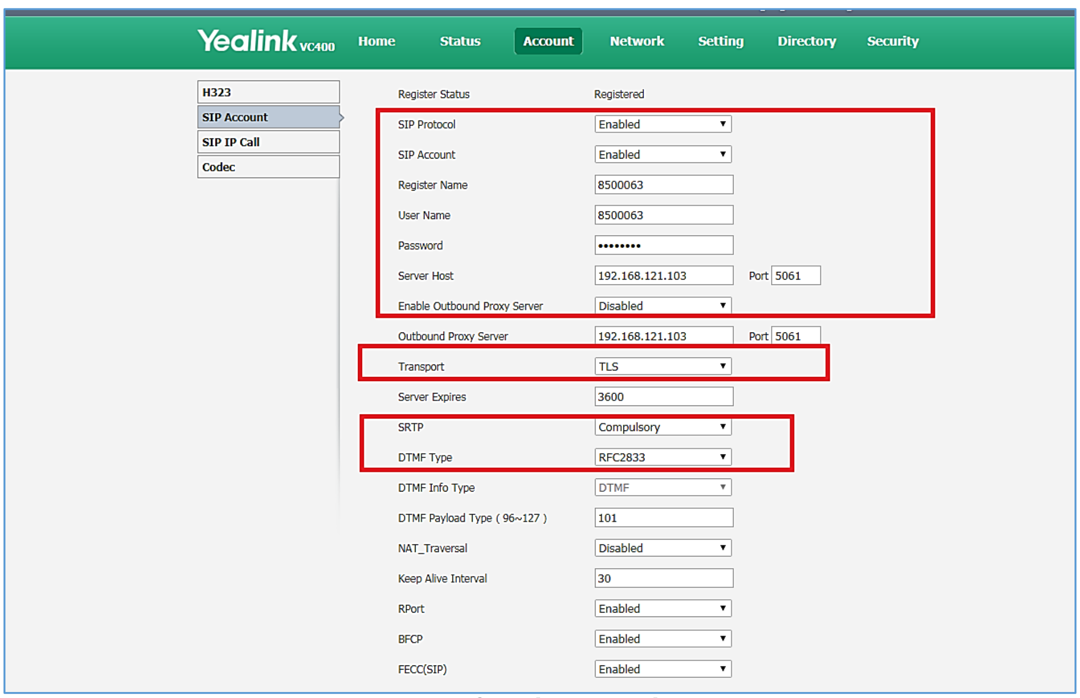

Figure 8: Yealink VC400 → Account → SIP Account

Configure TLS

When users set the "SIP Transport" as "TLS" in Yealink VC400, users need to disable option "Only Accept Trusted Certificates", otherwise, the TLS connection will be failed.

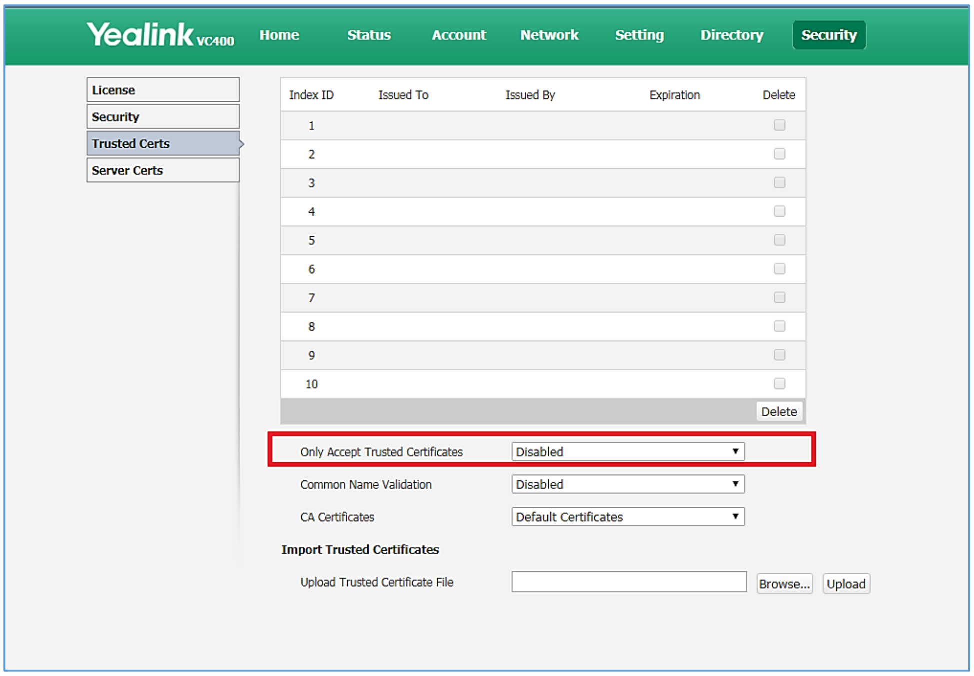

Figure 9: Yealink VC400 → Security → Trusted Certs

Dialing Operation

Users could input the IPVideoTalk ID on the dialing interface to dial into the IPVideoTalk meeting.

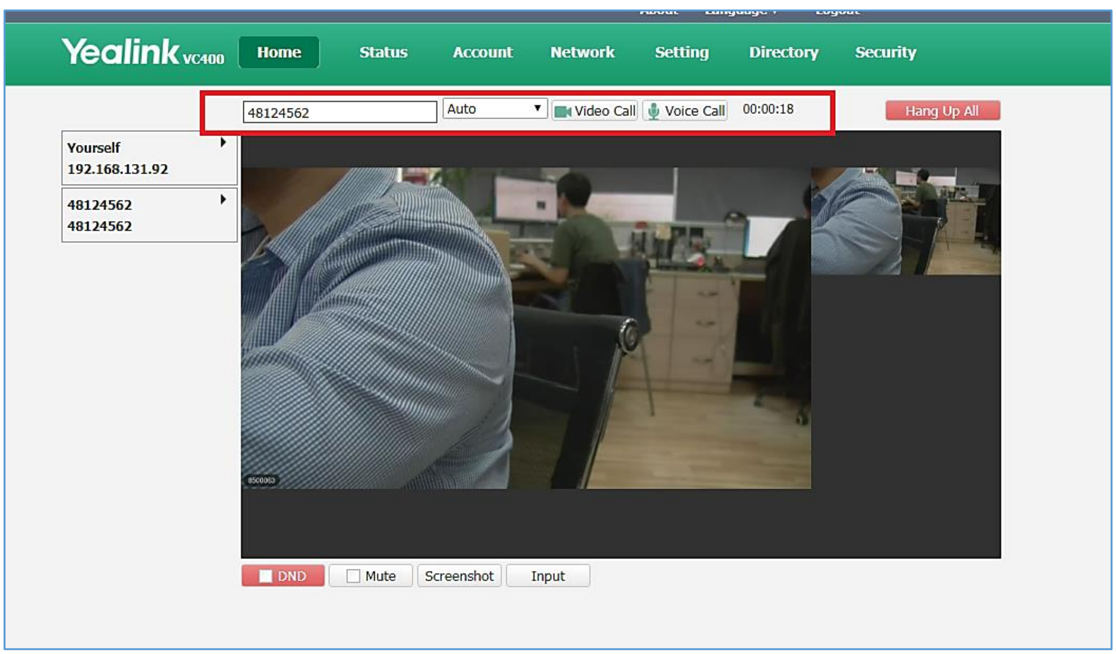

Figure 10: Yealink VC400 → Home

Configure Cisco SX20

Configure SIP Account

The following configurations are necessary:

- SIP Transport: TLS ONLY
- URL: IPVideoTalk ID@IPVT10 Server Address:Port Number
- Login Name: IPVideoTalk ID
- Password: The password of the IPVideoTalk ID
- Address: IPVT10 Server Address:Port Number

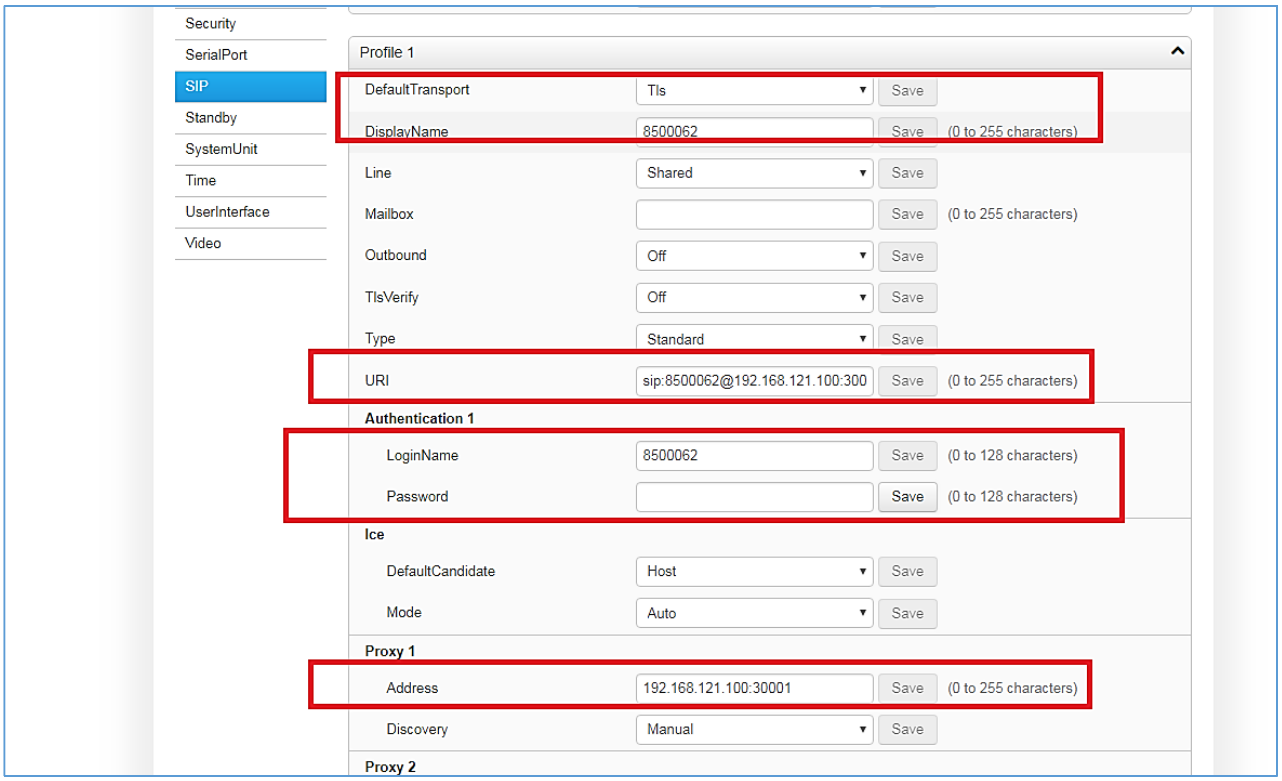

Figure 11: Cisco SX20 → Configuration → SIP

Configure SRTP

In order to ensure the security of the call, it is recommended to enable "Encryption Mode" in the device. This mode will force the device to only use TLS protocol as the SIP Transport, otherwise, the service cannot be used normally.

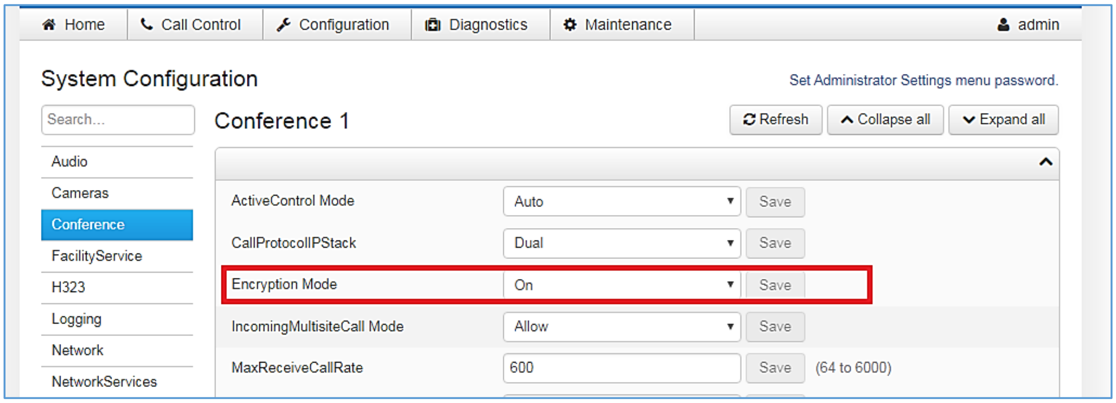

Figure 12: Cisco SX20 → Configuration → Conference

Dialing Operation

Users could input the "IPVideoTak Meeting ID@IP:Port Number" on the dialing interface to join into the IPVideoTalk meeting.

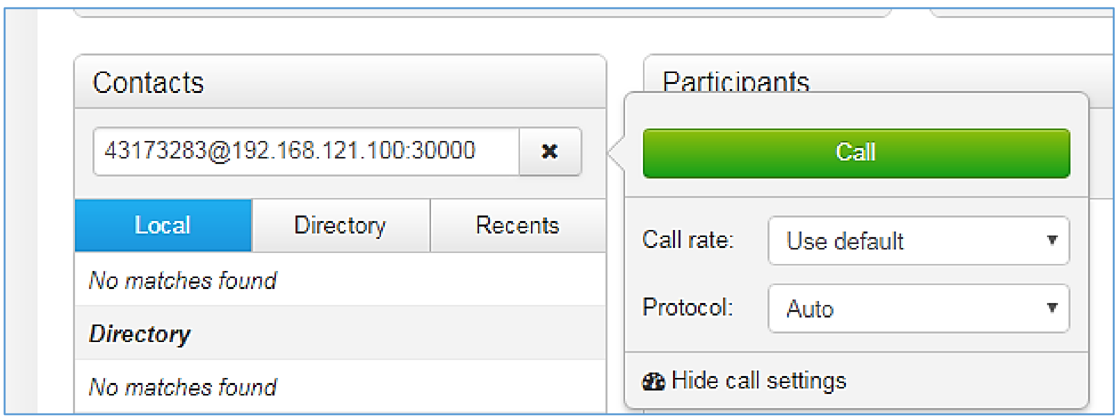

Figure 13: Cisco SX20 → Dial Page