

# Security Management System Camera Configuration - Cisco 4500E IP Camera

## Camera Configuration

Following one time settings are required to be done in the camera configuration.

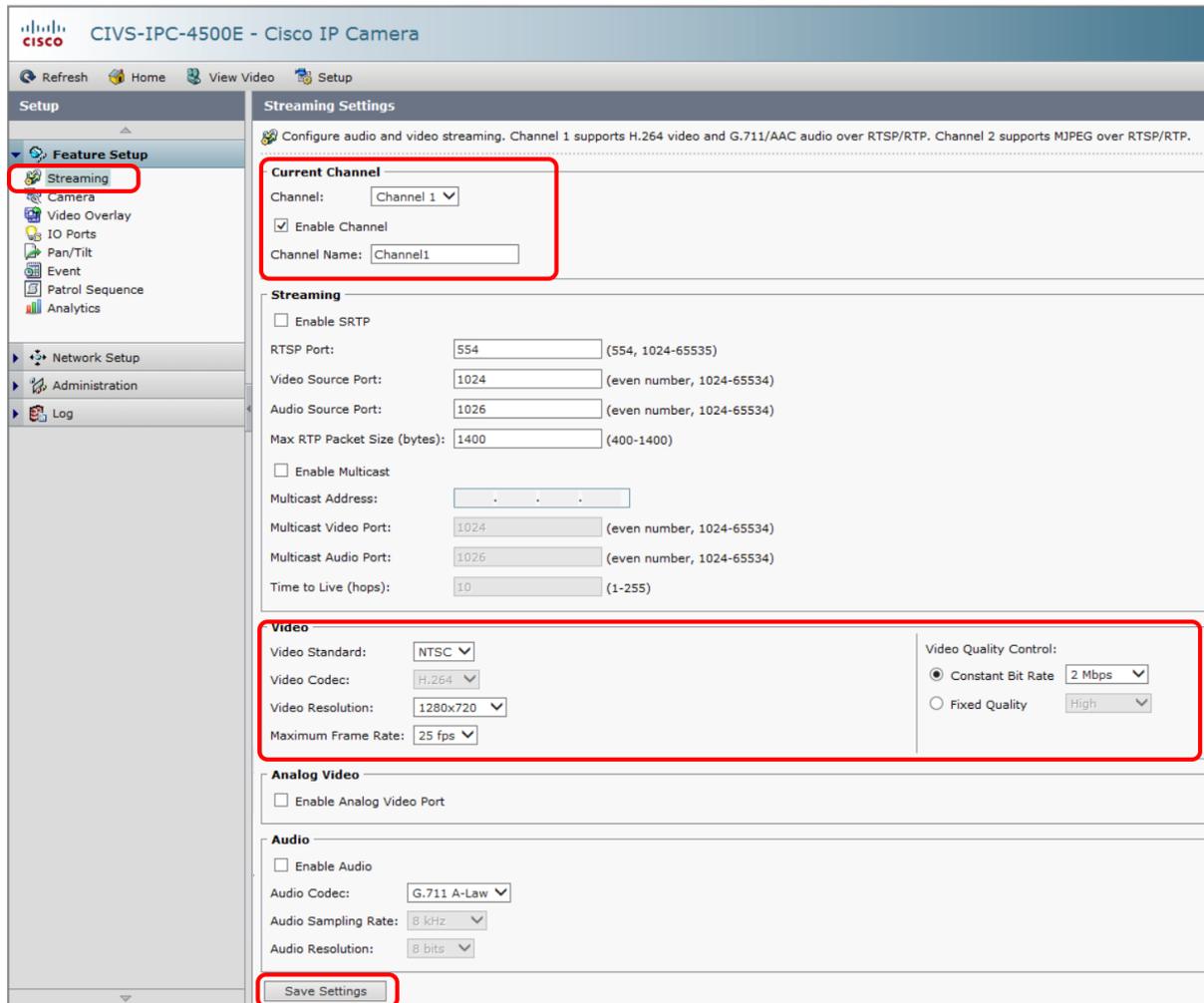
1. Connect to the Cisco 4500E IP camera from web browser.
2. Login to the camera
3. Click on the 'Setup' tab

Protocol	User Name	Password	Confirm Password
HTTP(S)	admin	*****	*****
SSH	root		

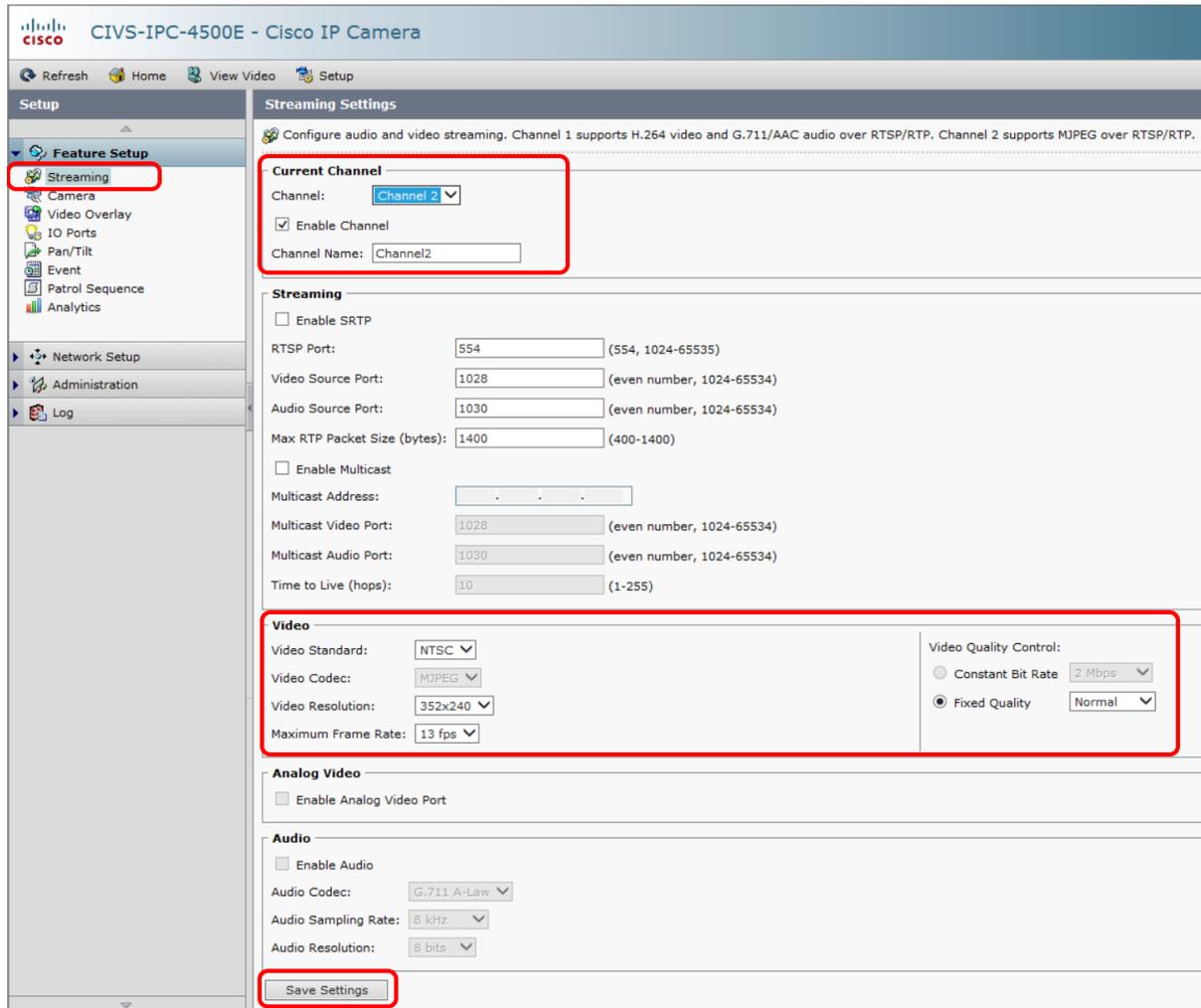
  

Access Protocols	Port	Range
<input checked="" type="checkbox"/> Enable HTTP	HTTP Port: 80	(80, 1024-32767)
<input checked="" type="checkbox"/> Enable HTTPS	HTTPS Port: 443	(443, 1024-65535)
<input type="checkbox"/> Enable SSH	SSH Port: 22	(22, 1024-65535)

4. Navigate to 'Administration -> Initialization' page
5. Please make sure 'Enable HTTP' check-box is in 'selected' state and the 'HTTP Port' is set to 80
6. Click on the 'Save settings' button, to save any changes done to the configuration
7. Navigate to 'Feature Setup -> Streaming' page



8. Under 'Current channel' group, select 'Channel' as 'Channel 1'  
Ensure that 'Enable Channel' check-box is in selected state.  
Type 'Channel Name' as 'Channel1' (Note – it is important that exact text 'Channel1' is typed for channel name)
9. Under 'Video' group, select 'Video standard' as NTSC  
Video Codec will be 'H.264' and can not be changed  
Select 'Video resolution' as '1280X720'  
Select 'Maximum Frame Rate' as '25 fps'  
Select 'Video Quality Control' as 'Constant Bit Rate' with '2 Mbps' option.
10. Click on the 'Save Settings' button to save the changes.
11. On the same 'Feature Setup -> Streaming' page, additional configurations need to be done.



12. Under 'Current channel' group, select 'Channel' as 'Channel 2'  
Ensure that 'Enable Channel' check-box is in selected state.  
Type 'Channel Name' as 'Channel2' (Note – it is important that exact text 'Channel2' is typed for channel name)
13. Under 'Video' group, select 'Video standard' as NTSC  
Video Codec will be 'MJPEG' and can not be changed  
Select 'Video resolution' as '352X240'  
Select 'Maximum Frame Rate' as '13 fps'  
Select 'Video Quality Control' as 'Fixed Quality' with 'Normal' option.
14. Click on the 'Save Settings' button to save the changes.

## Adding camera to Security Management System Server Software

1. In Security Management System Server software, please navigate to 'Video devices - > Channels' page.
2. Click on the 'Add video channel..' button. This will pop up the 'Add video channel' dialog box.

The screenshot shows the 'Add video channel' dialog box with the following fields and options:

- Channel Name: Cam034
- Channel ID: VC\_ Cam034
- Channel Description: Cam034
- Video Source Type: Cisco 4500E IP Camera
- IP address: 192.168.0.100
- RTSP port number: 554
- User name: admin
- Password: [masked]
- Display stream 1: Stream: MJPEG
- Display stream 2: Select stream: Use different stream, Stream: H.264
- Recording stream: Select stream: Use display stream 2, Stream: H.264
- Motion detection and video analytics stream: Select stream: Use display stream 1, Stream: H.264

3. Type any suitable 'Channel Name' or keep the default name un-changed.  
Keep the default Channel ID unchanged  
Type any suitable 'Channel Description' or keep the default description un-changed.
4. Select 'Video Source Type' as 'Cisco 4500E IP camera'

5. Type IP address of the camera  
Type 'RTSP port number' as 554  
Type 'User name' and 'Password'. These will be used to login to the camera
  
6. Select 'Display stream 1' as 'MJPEG'  
Select 'Display stream 2' as 'Use different stream -> H.264'  
Select 'Recording stream' as 'Use display stream 2'  
Select 'Motion detection and video analytics stream' as 'Use display stream 1'
  
7. Click on the 'Add video channel' button to add the camera to monitored cameras list.