

## 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

cisco CIVS-IPC-4500E - Cisco IP Camera								
🚱 Refresh 🛛 😚 Home 🐰 View V	Video 🐻 Setup							
Setup	Account Initialization							
	This page is used to do the initial setup of administrator accounts and access protocols for the device.  Administrator Accounts Protocol User Name Password Confirm Password HTTP(S) admin SSH root Access Protocols C Enable HTTP HTTP Port: 80 80, 1024-32767)							
▶ 🚱 Log	Image: Construct of the second system       443       (443, 1024-65535)         Image: Construct of the second system       22       (22, 1024-65535)         Image: Construct of the second system       22       (22, 1024-65535)         Image: Construct of the second system       22       (22, 1024-65535)         Image: Construct of the second system       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



cisco CIVS-IPC-4500E	- Cisco IP Camera					
Refresh d Home Niew View View View View View View View V	deo 👘 Setun					
Setun	Streaming Settings	_				
	Configure audio and video s	treaming. Channel 1 supr	ports H 264 video and G 711/AAC audio over RTSP/RT	IP Channel 2 supports MIPEG over RTSP/RTP		
🔻 🦻 Feature Setup	Sa Configure addio and video a	creaning. Channel I supp				
Streaming Comera Comera Comera Comera Comera ParyTilt Event Event Comera Comerae	Current Channel Channel: Channel 1 V ✓ Enable Channel Channel Name: Channel1	<b>~</b>				
Analytics	Streaming					
	Enable SRTP					
Network Setup	RTSP Port:	554	(554, 1024-65535)			
Administration	Video Source Port:	1024	(even number, 1024-65534)			
🕨 🚱 Log	Audio Source Port:	1026	(even number, 1024-65534)			
	Max RTP Packet Size (bytes):	1400	(400-1400)			
	Enable Multicast					
	Multicast Address:					
	Multicast Video Port:	1024	(even number, 1024-65534)			
	Multicast Audio Port:	1026	(even number, 1024-65534)			
	Time to Live (hops):	10	(1-255)			
			-			
	Video Standardi			Video Quality Control:		
	Video Codegi			Constant Bit Rate 2 Mbps		
	Video Codec. 1220			C Fixed Quality		
	Maximum Frame Date: 25 fr	x720 ¥				
		JS ¥				
	Analog Video					
	Audio  Enable Audio					
	Audio Codec: G.711 A-Law V Audio Sampling Rate: 8 kHz V					
	Audio Resolution: 8 bits	$\checkmark$				
~	Save Settings					

- 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)
- 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.



cisco CIVS-IPC-4500E - Cisco IP Camera							
🔇 Refresh 🎯 Home   View Vi	ideo 🛛 🐻 Setup						
Setup	Streaming Settings						
A	🔊 Configure audio and video s	treaming. Channel 1 supp	oorts H.264 video and G.711/AAC audio over RTSP/RT	P. Channel 2 supports MJPEG over RTSP/RTP.			
🔻 📎 Feature Setup	Comment Channel						
Camera Video Overlay	Channel: Channel 2	<b>I</b>					
🖉 Event	Channel Name: Channel2						
Patrol Sequence Analytics	Streaming						
▶ + Network Setup	RTSP Port:	554	(554, 1024-65535)				
Administration	Video Source Port:	1028	(even number, 1024-65534)				
🕨 🛐 Log	Audio Source Port:	1030	(even number, 1024-65534)				
	Max RTP Packet Size (bytes):	1400	(400-1400)				
	Enable Multicast						
	Multicast Address:						
	Multicast Video Port:	1028	(even number, 1024-65534)				
	Multicast Audio Port:	1030	(even number, 1024-65534)				
	Time to Live (hops):	10	(1-255)				
	Video						
	Video Standard: NTSC	× •		Video Quality Control:			
	Video Codec: MJPE	G 💙		Constant Bit Rate			
	Video Resolution: 352x	240 🗸		Fixed Quality     Normal			
	Maximum Frame Rate: 13 fp	s 🗸					
	Analog Video						
	Enable Analog Video Port						
	Audio						
	Enable Audio						
	Audio Codec: G,711	A-Law 💙					
	Audio Sampling Rate: 8 kHz	~					
	Audio Resolution: 8 bits	~					
~	Save Settings						

- 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.

🗑 Add video channel				×
Channel Name: Channel ID: Channel Description:	Cam034 VC_ Car Cam034	n034		
Video Source Type:	Cisco 4500	)E IP Camera		~
IP address: RTSP port number: User name: Password:	192.168.0 554 admin	•		
Display stream 1		Display stream 2		
Stream: MJPEG	~	Select stream:	Use different stream	~
		Stream:	H.264	~
-Recording stream		Motion detection	and video analytics str	eam
Select stream: Use display stream 2	~	Select stream:	Use display stream 1	~
Stream: H.264		Stream:	H.264	~
	0	0	(	<u>~</u>

- 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'

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- 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
- 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.