AVAYA

Using Avaya Room Camera RC100

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  - Do not use the device during a lightning storm.
  - Do not report a gas leak while in the vicinity of the leak.
- Do not place a naked flame source, such as lighted candles, on or near the device.
- Do not intentionally hit the device or place heavy or sharp objects on the device.
- Do not attempt to repair the device yourself. Always use a qualified service agent to perform adjustments and repairs.
- Keep the device away from benzene, diluents, and other chemicals.

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Cet appareil numérique de la classe B est conformeà la norme NMB-003 du Canada.

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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Japan Statements

Class B Statement

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Chapter 1: Introduction

Purpose

This document describes how to use the Avaya Room Camera RC100.

This document is intended for people who want to learn how to use the Avaya Room Camera RC100.

Chapter 2: Avaya Room Camera RC100 overview

Avaya Room Camera RC100 safety warnings

Follow these safety instructions when setting up and using Avaya Room Camera RC100:

- Use only the power source provided with Avaya Room Camera RC100 when used as stand-alone.
- Take proper safety precautions when handling the AC power plug.
- Ensure that the plug is inserted into the socket securely.
- Do not overload wall sockets, extension cords or multi-way plug boards as this may cause fire or electric shock.
- Do not place Avaya Room Camera RC100 where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
- Do not block openings in the Avaya Room Camera RC100 case as poor ventilation may lead to overheating the camera. Do not place Avaya Room Camera RC100 on a sofa, rug, or other soft surfaces.
- Do not push any objects through Avaya Room Camera RC100 openings.
- Do not allow any liquid to spill to Avaya Room Camera RC100.
- Refer all servicing to licensed service personnel.
- Unplug Avaya Room Camera RC100 and remove the batteries from the remote control if they are not going to be used for an extended period. Do not place Avaya Room Camera RC100 or remote control on top of vibrating equipment or heated objects, such as an endpoint or computer.
- To reduce the risk of fire or electric shock, do not expose Avaya Room Camera RC100 to rain or moisture.
- Unplug Avaya Room Camera RC100 from the wall outlet and refer servicing to licensed service personnel:
  - If the power cord or plug becomes damaged or frayed.
  - If the liquid is spilled on Avaya Room Camera RC100 or Avaya Room Camera RC100 has been exposed to rain or water.

> **✱ Note:**
>
> Using an incorrect battery type in the remote control may result in a breakdown. Follow local instructions on how to dispose of used batteries.

Avaya Room Camera RC100 overview

Avaya Room Camera RC100 is a flexible and high-end solution covering a broad spectrum of room sizes and use cases for high-end features and connectivity.

Avaya Room Camera RC100 has the following features:

- Excellent video quality with a maximum resolution of 2160p@60fps.
- Ultra HD 60fps camera, with 24x Full HD Zoom and 12x Ultra HD Optical Zoom.
- Used as an HDMI camera and support up to 2160p@60fps resolution.
- USB connectivity allows easy interoperability with laptops up to 2160p@30fps resolution.
- Avaya Room Camera RC100 allows easy connectivity with Avaya CU360 and Avaya XT Series.
- IP connectivity makes Avaya Room Camera RC100 suitable for video surveillance and extends the video range of Avaya CU360 up to 1080p@30fps resolution.
- Line-level type audio source routed to the HDMI and USB interfaces.

Avaya Room Camera RC100 Technical Specifications

Features	Description
Camera	
Image Sensor	1/2.8" 4K CMOS, 8.46MP
Focal Lens	f=3.4mm-40.3mm
Iris	F1.8-F3.6
Optical Zoom	12x
Field of view	80.5° ~ 7.6°
Image	Auto Focus, Auto Exposure, Auto White Balance
Video Format	Up to 4Kp60
Video Compression	H.264 and MJPG
S/N	≥55dB
DNR	2D&3D

Features	Description
Function	
Pan Angle	-130°~+130°

Table continues…

Features	Description
Function	
Tilt Angle	-30°~+90°
Pan Speed	0.2°~80°/s
Tilt Speed	0.2°~60°/s
Preset Number	• Up to 12 through Avaya Room Camera RC100 Remote Control • Up to 64 through IP with Avaya CU360 • Up to 122 through VISCA and USB with Avaya XT Series • Up to 122 through USB through Avaya CU360

Features	Description
Interfaces	
HDMI	1×HDMI 2.0
	Video resolution: up to 4Kp60
Ethernet (LAN)	1×10M/100M/1000M RJ45, self-adaptation ethernet port
	Video resolution: up to 4Kp30
	Video Format: H264
USB Interface	1×USB 2.0
	UVC1.5 protocol
	UAC
	Video Format: H264/MJPEG
	Video Resolution: up to 4Kp30
Audio Input	1x jack 3.5mm LINE LEVEL
Control	1×RS-232 IN, 1×RS-232 OUT
Rotary Selector	**F** as default for automatic video format
Power	DC12V

Features	Description
General	
Protocol	VISCA
Power Consumption	Less than 13W
Working Environment	Temperature: 0 ~ +40°C, Humidity: 10%RH ~ 90%RH
Dimension (LxWxH)	250mm×136mm×165mm
Weight	Less than 2kg
Color	Black

Avaya Room Camera RC100 main parts
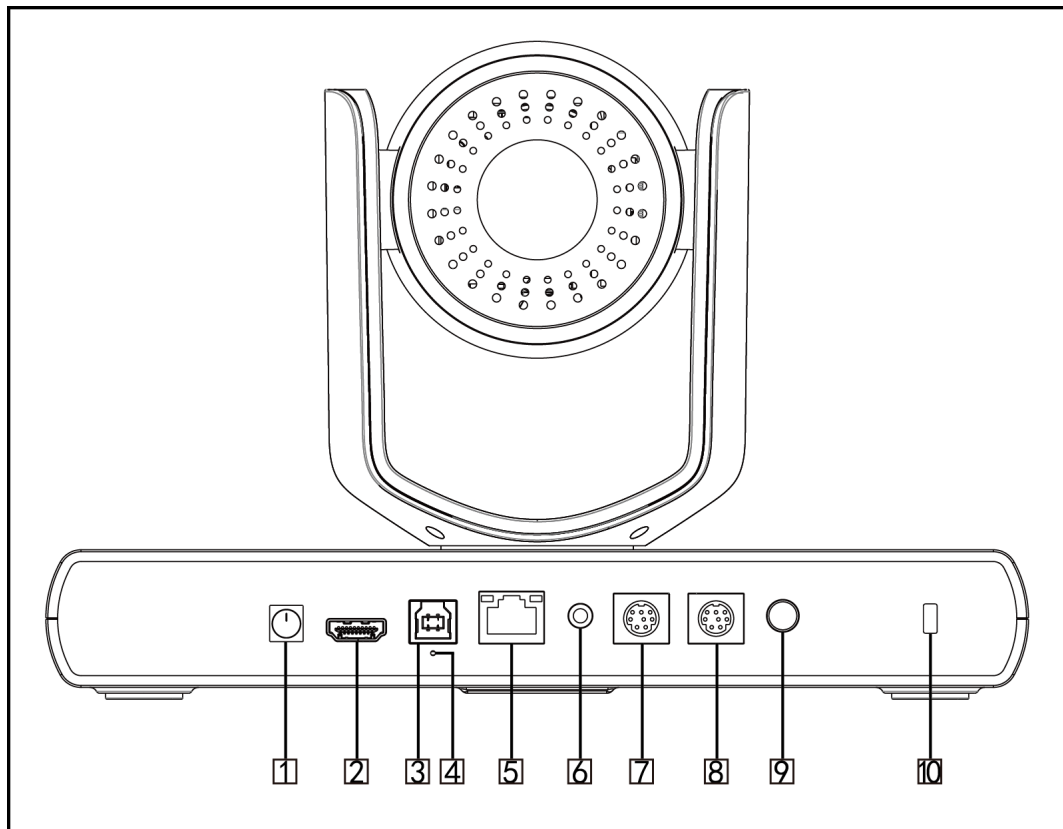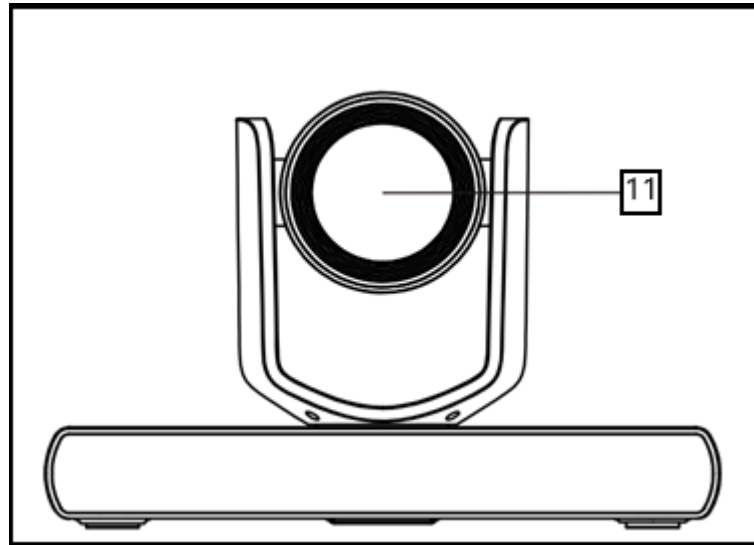
No	Interface
1	Rotary Selector (SYS-SEL)

Table continues…

No	Interface
2	HDMI
3	USB
4	Reset pinhole
5	LAN
6	Audio In
7	RS232-IN
8	RS232-OUT
9	Power（DC12V）
10	Anti-theft lock
11	Camera Module

Avaya Room Camera RC100 remote control unit

Avaya Room Camera RC100 supports a remote control unit.
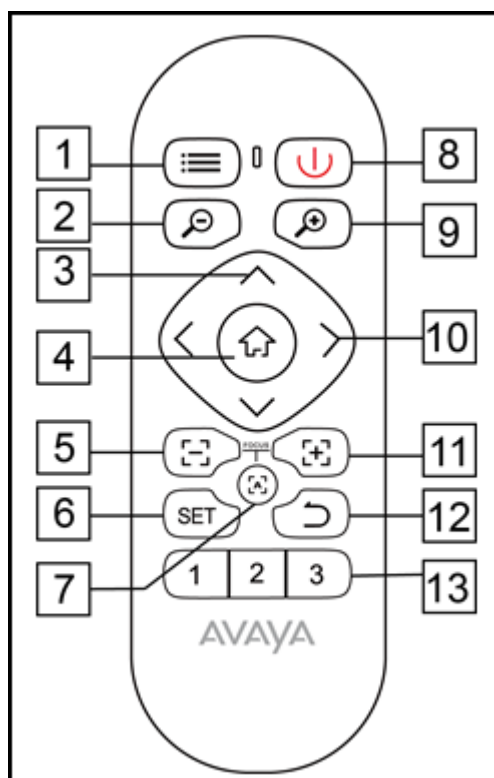
Key no.	Key name	Function
1	Menu	Press the button to enter the OSD menu.
2	Zoom Out	Press the button to zoom out.
3	Tilt	• In menu mode, set menu options. • In non-menu mode, use the button for vertical adjustment of the screen.
4	Home	• In menu mode, confirm to enter. • In non-menu mode, the screen returns to the original position.
5	Focus Near	Press the button to focus near.
6	Set Preset	Press the button, then press the number button to set preset
7	Auto Focus	Press the button to focus automatically.
8	Power button	Turn on or off the camera.
9	Zoom In	Press the button to zoom in.
10	Pan	• In menu mode, set menu options. • In non-menu mode, use the button for vertical adjustment of the screen.
11	Focus Far	Press the button to focus far.
12	Back	In menu mode, press the button to go back to the previous menu.
13	Preset Setting	Press the number button to call the corresponding preset.

Avaya Room Camera RC100 Rotary selector settings

Before installing and operating Avaya Room Camera RC100, make sure the Rotary selector is set to F (The default setting is AUTO). For advanced settings, you can select the desired specific video format based on the following table:

Rotary selector	
0	1080P60

Table continues…

Rotary selector	
1	1080P50
2	720P60
3	720P50
4	1080P30
5	1080P25
6	4KP25
7	4KP30
8	4KP50
9	4KP60
A	1080i60
B	1080i50
C	--
D	--
E	--
F	AUTO as default

After configuring the video format, restart the Avaya Room Camera RC100.

Chapter 3: Avaya Room Camera RC100 Packing list

Avaya Room Camera RC100 packing list

Avaya Room Camera RC100 contains the following standard equipment:

- Camera
- Remote Control
- USB Cable
- AC/DC Adapter
- HDMI Cable
- Bracket
- Four sets of screws and plastic dowel
- 1/4"-20 UNC screw
- Two AAA Batteries

Camera   Remote Control   USB Cable
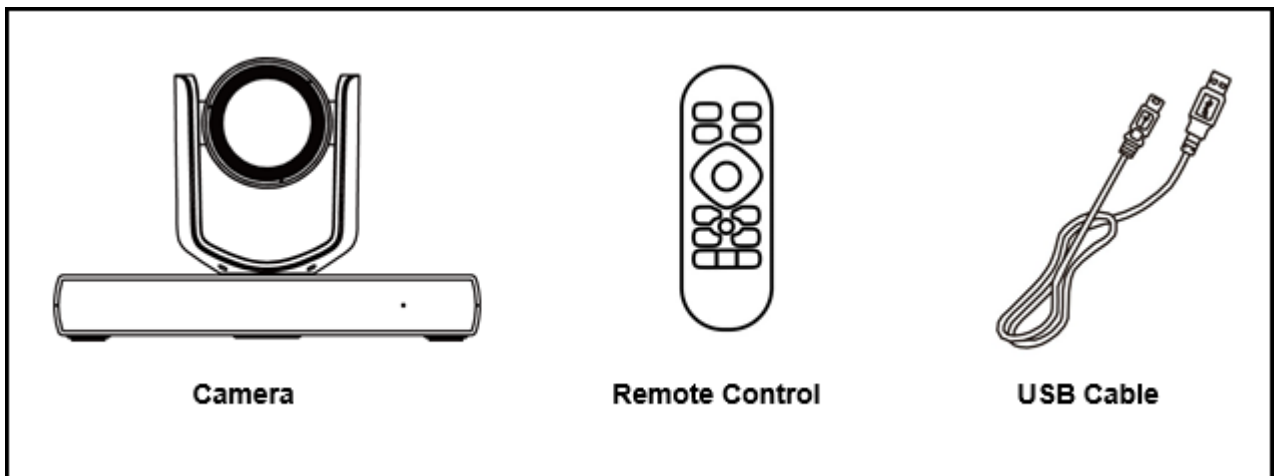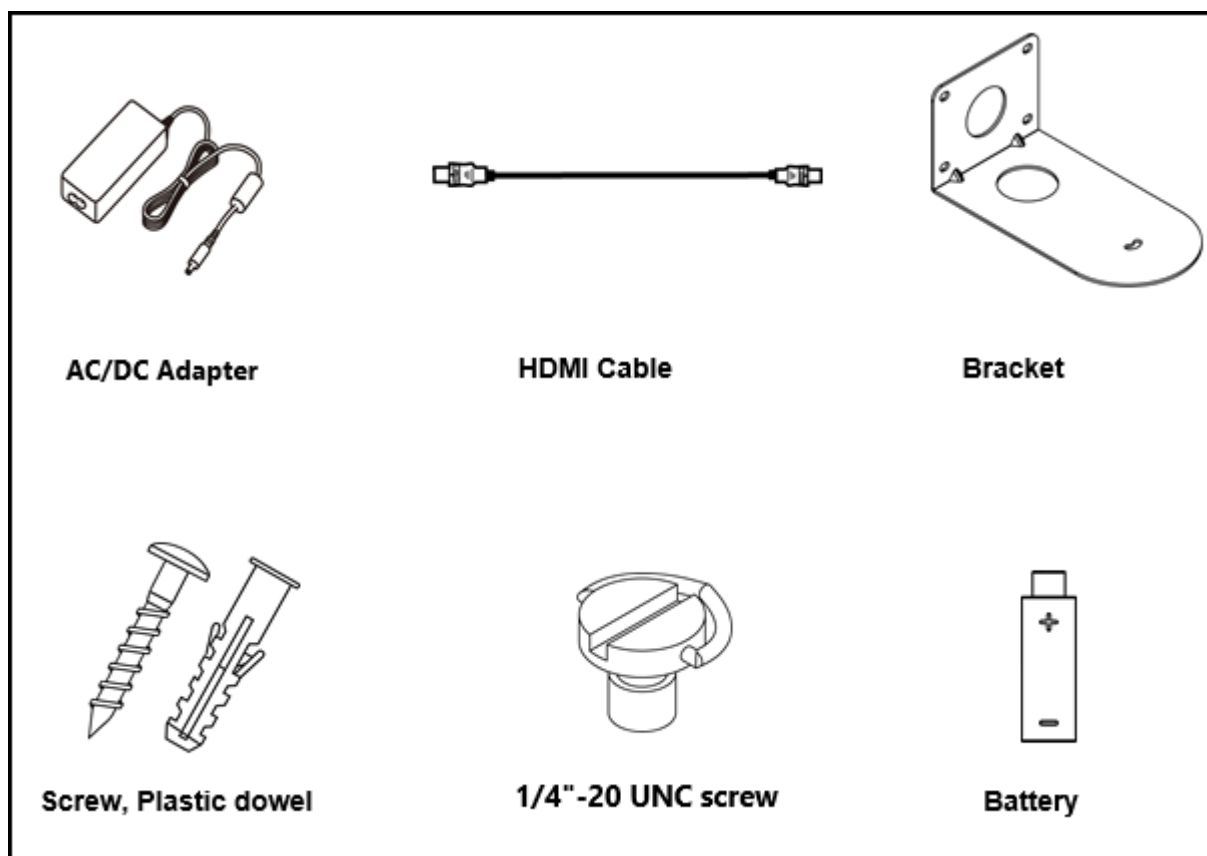
Installing Avaya Room Camera RC100 using wall mount bracket

About this task

You can install Avaya Room Camera RC100 on a wall using the wall mount bracket.
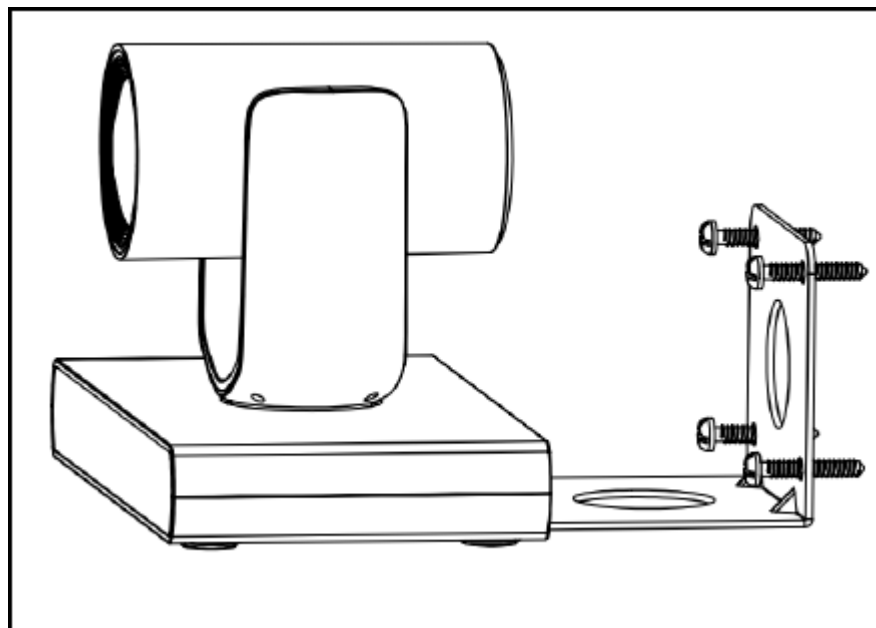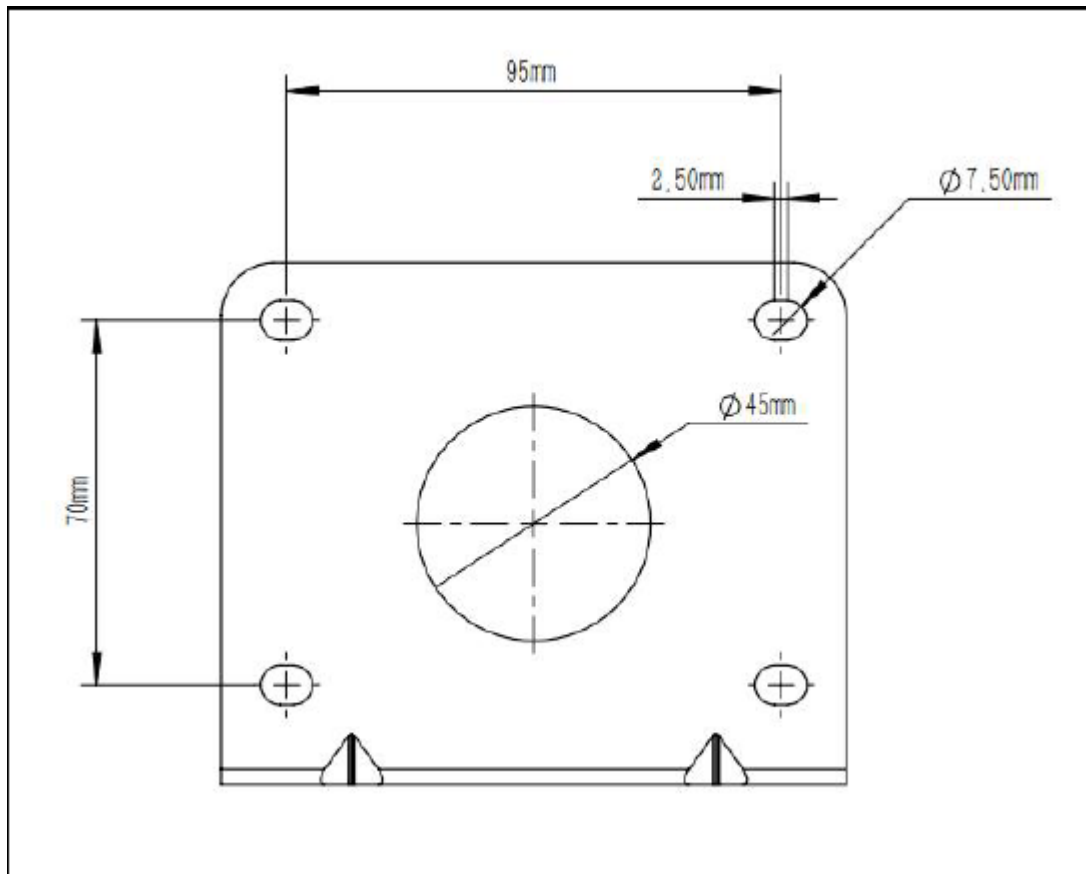
Procedure

1. Drill four holes according to the hole diameter and position of the wall bracket.

2. Install the plastic expansion tube on the hole.

3. Fix the wall bracket at the installation position with expansion screws.

4. Place Avaya Room Camera RC100 on the wall bracket, and fix Avaya Room Camera RC100 with screws.

Chapter 4: Setting up Avaya Room Camera RC100

Configuring Avaya Room Camera RC100 as IP camera for Avaya CU360

About this task

You can use Avaya Room Camera RC100 as an IP camera on Avaya CU360.

Avaya CU360 does not support audio when using Avaya Room Camera RC100 as an IP camera.

> ✱ **Note:**
>
> If the camera uses both the USB and ethernet interfaces simultaneously, the stream sent over the ethernet and USB have the same resolutions.
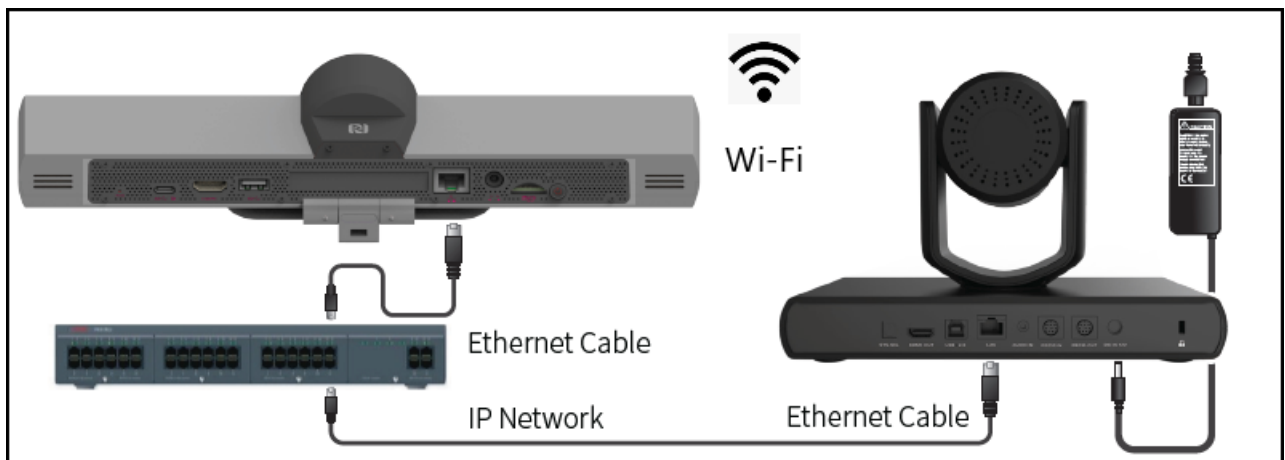
Before you begin

- Connect one side of the ethernet cable to the Avaya Room Camera RC100 LAN port and the other side to your IP Network or connect Avaya CU360 through Wi-Fi.
- Connect the power supply plug to the DC IN 12V port of the Avaya Room Camera RC100 and turn on the Avaya CU360 endpoint.
- Enable the advanced settings for the Avaya CU360 endpoint.
- Log in to the Avaya CU360 web interface.

Procedure

1. Do one of the following:

   • On the endpoint main menu, click **Configure**.

   • On the web interface, click **Administrator Settings**.

2. On the endpoint, click **Advanced**.

   The default PIN for Advanced settings on the endpoint is 1234.

   If your administrator configures a PIN to access the advanced settings on the endpoint, Avaya CU360 prompts you to enter the PIN. After you enter the PIN, Avaya CU360 displays the Advanced window.

3. On the endpoint and web interface, click **I/O Connections** > **Cameras** > **IP**.

4. Configure the following fields:

   • **Enable**: Select **Yes** to enable the IP camera.

   • **URL**: Enter the IP address of the Avaya Room Camera RC100.

     rtsp://admin:@ip_address/ch1

   • **Control Camera**: **Yes**

   Use the remote control to view the IP address of Avaya Room Camera RC100 from the Network section.

   Default parameters for Avaya Room Camera RC100 are:

   • **Control Protocol**

     - **Username**: admin

     - **Password**: 123456

     - **Port**: 80

5. On the web interface, click **Save**.

Related links

Avaya Room Camera RC100 coding capacity limitation on page 30
Logging in to the Avaya CU360 web interface on page 22
Enabling the Avaya CU360 advanced settings on page 22

Configuring Avaya Room Camera RC100 as USB camera for Avaya CU360

About this task

You can use Avaya Room Camera RC100 as a USB camera on Avaya CU360.

The camera is opened at up to 720p@30fps when used as an additional live camera in the Avaya CU360 application. Camera presets and PTZ (Pan Tilt Zoom) can be managed through the Avaya Room Camera RC100 remote control.

Avaya CU360 does not support audio when using Avaya Room Camera RC100 as a USB camera.

> ✱ **Note:**
>
> If the camera uses both the USB and ethernet interfaces simultaneously, the stream sent over the ethernet and USB have the same resolutions.
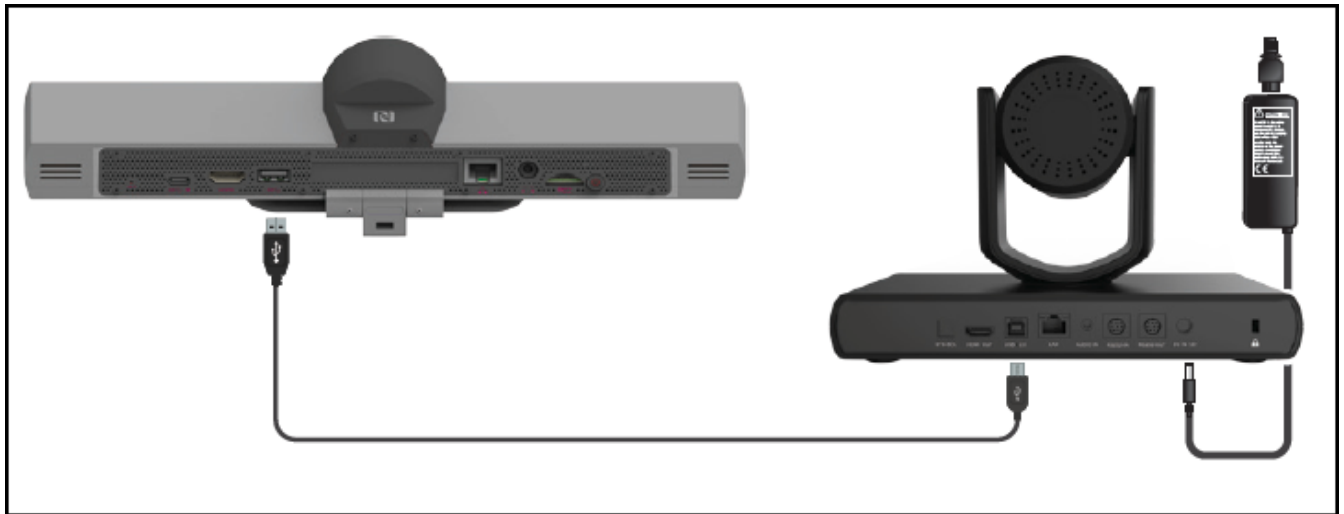
Before you begin

- Connect one side of the USB cable to the Avaya Room Camera RC100 USB port and the other side to the Avaya CU360 USB port.
- Connect the power supply plug to the DC IN 12V port of the Avaya Room Camera RC100 and turn on the Avaya CU360 endpoint.
- Enable the advanced settings for the Avaya CU360 endpoint.
- Log in to the Avaya CU360 web interface.

Procedure

1. Do one of the following:

   - On the endpoint main menu, click **Configure**.

   - On the web interface, click **Administrator Settings**.

2. On the endpoint, click **Advanced**.

   The default PIN for Advanced settings on the endpoint is 1234.

   If your administrator configures a PIN to access the advanced settings on the endpoint, Avaya CU360 prompts you to enter the PIN. After you enter the PIN, Avaya CU360 displays the Advanced window.

3. On the endpoint and web interface, click **I/O Connections** > **Cameras** > **USB**.

4. Configure the following fields:

- **Enable**: **Yes**
- **Control Camera**: **Yes**

5. On the web interface, click **Save**.

Next steps

Restart the Avaya CU360.

Related links

Avaya Room Camera RC100 coding capacity limitation on page 30
Logging in to the Avaya CU360 web interface on page 22
Enabling the Avaya CU360 advanced settings on page 22

Logging in to the Avaya CU360 web interface

About this task

The home page of Avaya CU360 displays the IP address of the endpoint on the top.

Change the default login credentials when you log in to the web interface for the first time.

Procedure

1. In a web browser, navigate to the IP adress of Avaya CU360.

    Avaya CU360 displays the login page.

2. Enter the following:

- **User Name**: The default user name is Admin.
- **Password**: The default password is 1234.
- **Language**: Select a language from the drop-down list. This field is optional.

3. Click **Login**.

Enabling the Avaya CU360 advanced settings

Procedure

1. Do one of the following:

- On the endpoint main menu, click **Configure** > **General**.
- On the web interface, click **Basic Settings** > **Preferences** > **General**.
- On the endpoint, Avaya CU360 displays the General settings window.

  • On the web interface, Avaya CU360 displays the Preferences - General settings window.

2. Select **Yes** for **Show Advanced Settings**.

3. On the web interface, click **Save**.

Result

Avaya CU360 displays the advanced settings.

Configuring Avaya Room Camera RC100 as the main HD camera for Avaya XT Series

About this task

You can use Avaya Room Camera RC100 as the main HD camera on Avaya XT Series.

Do not place Avaya Room Camera RC100 on top of the Avaya XT Series endpoint. Use the wall mount bracket to install Avaya Room Camera RC100.

If the rotary selector is set to F position, the default video format over HDMI is set to 1080p60.
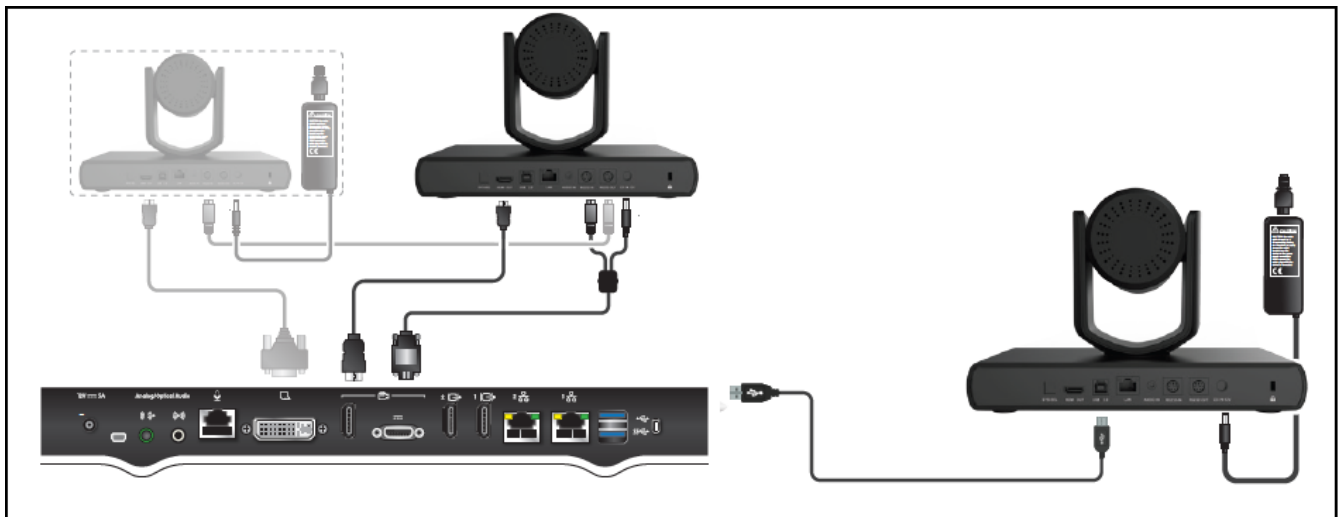
Before you begin

  • Connect one side of the HDMI cable to the Avaya Room Camera RC100 HDMI OUT port and the other side to the Avaya XT Series HDMI IN vertical port (Port 1 for Avaya Room System XT7100).

  • Connect the Power and Serial Control cable:

    - Plug the 8-pin connector into the Avaya Room Camera RC100 RS232-IN port.

    - Plug the power connector to the DC IN 12V port of the Avaya Room Camera RC100.

    - Plug the other special connector to the SERIAL CONTROL horizontal port of the Avaya XT Series.

⊛ **Note:**

- Use the cable for Power and Serial Control provided with Avaya XT Series or you can order separately (P/N 700515002).

- You can connect a line-level audio source to the AUDIO IN Camera connector. The audio is present in the Avaya XT Series endpoint through HDMI.

- Enable the advanced settings for the Avaya XT Series endpoint.

- Log in to the Avaya XT Series web interface.

Procedure

1. Do one of the following:

   - On the endpoint main menu, click **Configure**.

   - On the web interface, click **Administrator Settings**.

2. On the endpoint, click **Advanced**.

   The default PIN for Advanced settings on the endpoint is 1234.

   If your administrator configures a PIN to access the advanced settings on the endpoint, Avaya XT Series prompts you to enter the PIN. After you enter the PIN, Avaya XT Series displays the Advanced window.

3. On the endpoint and web interface, click **I/O Connections** > **Cameras** > **HD1**.

4. Configure the following fields:

   - **Enable**: **Yes**

   - **Control Camera**: **Yes**

   You can only use the Avaya XT Series remote control to control the camera.

5. On the web interface, click **Save**.

Related links

Enabling the Avaya XT Series advanced settings on page 28
Logging in to the Avaya XT Series web interface on page 27

Configuring Avaya Room Camera RC100 as an additional HD camera for Avaya XT Series

About this task

You can use Avaya Room Camera RC100 as an additional HD camera on Avaya XT Series.

Do not place Avaya Room Camera RC100 on top of the Avaya XT Series endpoint. Use the wall mount to install Avaya Room Camera RC100.

If the rotary selector is set to F position, the default video format over HDMI is set to 1080p60.
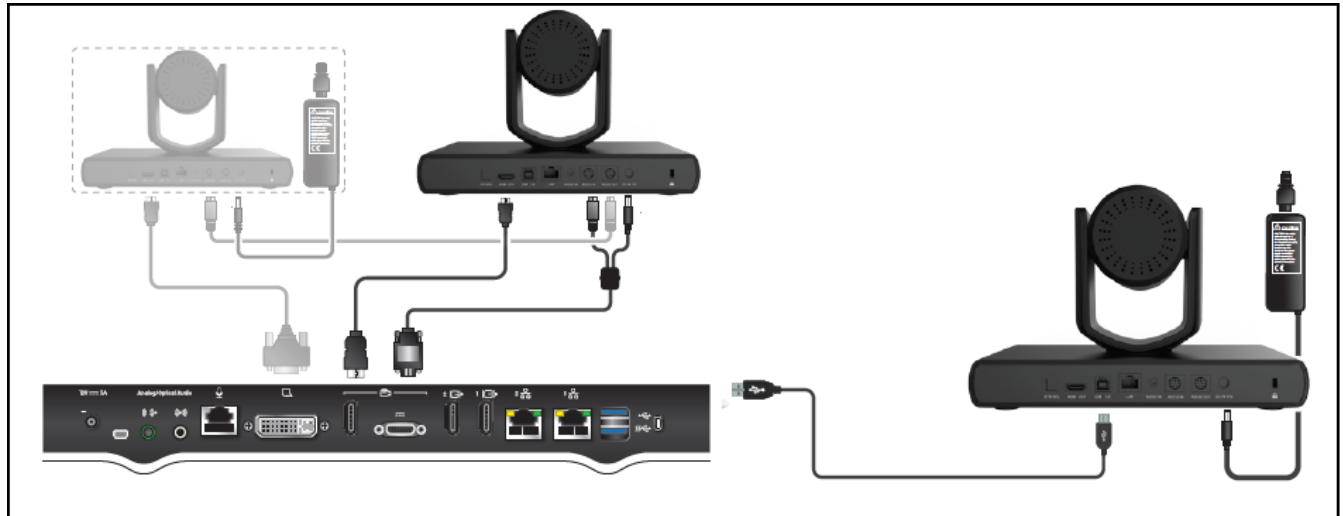
Before you begin

- Connect one side of the HDMI cable to the Avaya Room Camera RC100 HDMI OUT port and the other side to the Avaya XT Series DVI/HDMI IN 2 port.

- Connect the VISCA Control Cross cable to the RS232 OUT port of the first Camera and the RS232 IN of your Avaya Room Camera RC100.

- Connect the power supply plug to the DC IN 12V port of the Avaya Room Camera RC100 and turn on the Avaya XT Series endpoint.

★ **Note:**

You can connect a line-level audio source to the AUDIO IN Camera connector. The audio is present in the Avaya XT Series endpoint through HDMI.

- Enable the advanced settings for the Avaya XT Series endpoint.

- Log in to the Avaya XT Series web interface.

Procedure

1. Do one of the following:

   - On the endpoint main menu, click **Configure**.

   - On the web interface, click **Administrator Settings**.

2. On the endpoint, click **Advanced**.

   The default PIN for Advanced settings on the endpoint is 1234.

   If your administrator configures a PIN to access the advanced settings on the endpoint, Avaya XT Series prompts you to enter the PIN. After you enter the PIN, Avaya XT Series displays the Advanced window.

3. On the endpoint and web interface, click **I/O Connections** > **Cameras** > **DVI/HD2**.

4. Configure the following fields:

   - **Enable**: **Yes**

• **Control Camera**: **Yes**

You can only use the Avaya XT Series remote control to control the camera.

5. On the web interface, click **Save**.

Related links

[VISCA-cross cable for Avaya Room Camera RC100](#) on page 29
[Enabling the Avaya XT Series advanced settings](#) on page 28
[Logging in to the Avaya XT Series web interface](#) on page 27

# Configuring Avaya Room Camera RC100 as USB camera for Avaya XT Series

About this task

You can use Avaya Room Camera RC100 as a USB camera on Avaya XT Series.

You can connect a stereo line-level audio source to the AUDIO IN Camera connector. The audio is present in the Avaya XT Series endpoint through USB.
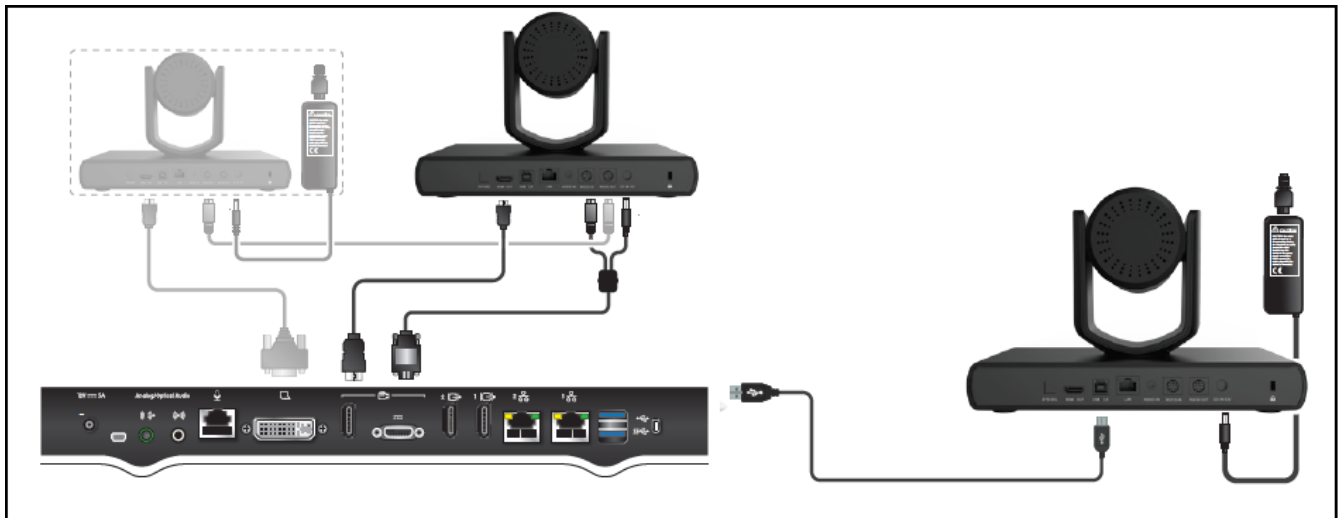
Before you begin

- Connect one side of the USB cable to the Avaya Room Camera RC100 USB port and the other side to the Avaya XT Series USB Type-A upper port.

- Connect the power supply plug to the DC IN 12V port of the Avaya Room Camera RC100 and turn on the Avaya XT Series endpoint.

- Enable the advanced settings for the Avaya XT Series endpoint.

- Log in to the Avaya XT Series web interface.

Procedure

1. Do one of the following:

   • On the endpoint main menu, click **Configure**.

   • On the web interface, click **Administrator Settings**.

2. On the endpoint, click **Advanced**.

   The default PIN for Advanced settings on the endpoint is 1234.

   If your administrator configures a PIN to access the advanced settings on the endpoint, Avaya XT Series prompts you to enter the PIN. After you enter the PIN, Avaya XT Series displays the Advanced window.

3. On the endpoint and web interface, click **I/O Connections** > **Cameras** > **USB**.

4. Configure the following fields:

   • **Enable**: **Yes**

   • **Control Camera**: **Yes**

5. On the web interface, click **Save**.

Related links

Logging in to the Avaya XT Series web interface

About this task

This procedure describes how to access the Avaya XT Series web interface, which supports the following internet browsers:

• Internet Explorer version 8 or later

• Google Chrome version 11 or later

• Mozilla Firefox version 3.6 or later

• Apple Safari version 5 or later

• Opera version 11 or later

• Microsoft Edge 38 or later (EdgeHTML v14)

If you have a monitor, you can find the IP address at the top bar of the endpoint monitor.

Before you begin

Web access is enabled by default. If it was disabled, you can enable it and configure the security details as described in the *Deployment Guide for Avaya XT Series*.

Procedure

1. Open any of the supported internet browsers and access the Avaya XT Series login page by entering the system IP address, such as *http://1.2.3.4/*.

Figure 1: Logging into the Avaya XT Series web interface

2. Enter the username and password.

   The default username for the web interface is *Admin* and password is *1234*.

   ⓘ **Important:**

   We recommend changing the default credentials after logging in for the first time, as described in the *Deployment Guide for Avaya XT Series*.

3. **(Optional)** Select the web interface language from the **Language** list.

4. Select **Login**.

Enabling the Avaya XT Series advanced settings

About this task

To perform advanced configuration and maintenance from the endpoint itself, like upgrading the firmware, you must first enable access to the advanced settings.

Before you begin

Ensure that you have the password to access the **Advanced** settings. The default password is 1234.

Procedure

1. Access basic settings. From the Avaya XT Series web interface, select **Basic Settings** > **Preferences** > **General**. From the Avaya XT Series endpoint main menu, select **Configure** > **General**.

2. Set **Show Advanced Settings** to **Yes**.

3. From the Avaya XT Series web interface, select **Administrator Settings**. From the Avaya XT Series endpoint, press **Back** 🔙 and then select **Advanced**.

4. Enter the password to display the **Advanced** screen. The default password is *1234*.

VISCA-cross cable for Avaya Room Camera RC100

Visca Control is a standard protocol to control PTZ (Pan Tilt Zoom) Cameras. You can use the VISCA cross-cable for Avaya Room Camera RC100 as an additional HD camera with Avaya XT Series.

By default, the camera has a rotary selector set to F position. When the rotary selector is set to F position, the video resolution and frame rate is set through VISCA or camera remote control. After setting, the camera reboots and the frame rate family set for HDMI is used for USB and IP streams.

For example, if 1080p@60fps is set for HDMI through VISCA or remote control, then the available formats for USB and IP are @30fps or @60fps but not @25fps or@50fps.

If the rotary selector is set to F position, the default video format over HDMI is set to 1080p60 and the default video is set to 1080p30 for USB and IP.

If Avaya Room Camera RC100 is connected one time to the Avaya XT Series endpoint through VISCA, then the OSD through the remote control is disabled.

To recover the OSD, it is necessary to connect the Avaya Room Camera RC100 to the Avaya XT Series endpoint again and activate the camera factory recovery procedure within the Avaya XT Series.

> ✴ **Note:**
>
> The VISCA-cross cable and HDMI to DVI Cable, used to connect the additional camera, you can order separately in the camera cable kit (P/N 700512192).

Configuring Avaya Room Camera RC100 as USB camera for your laptop

Procedure

1. Connect Avaya Room Camera RC100 to the USB port of your laptop using the USB cable.

2. Open or browse one of the following conferencing applications:

   - Avaya Spaces
   - Avaya Cloud Office™
   - Avaya Workplace
   - Other conferencing applications, such as Microsoft® Skype for Business, Microsoft® Teams, Zoom®, and BlueJeans®.

3. Select Avaya Room Camera RC100 as a video source from the setting or user preference section.

Configuring Avaya Room Camera RC100 for Avaya Vantage™

About this task

You can use Avaya Room Camera RC100 for Avaya Vantage™.

Before you begin

- Connect a type-C Male or type-A Female USB adaptor to the Avaya Vantage™ type-C port.
- Connect the type-A or type-B USB cable to the Avaya Room Camera RC100 USB port and the other side to the adaptor.

Procedure

1. On the Avaya Room Camera RC100 menu, click **System** > **UVC Protocol**.

2. Select **UVC 1.1** from the **UVC Protocol** menu.

Avaya Room Camera RC100 coding capacity limitation

Avaya Room Camera RC100 has the following coding limitation:

HDMI	USB		Ethernet (LAN)	
	MJPG	**H264**	**H264**	**H264**
			Stream1	**Stream2**
4KP60	4KP30	4KP30	/	/
	1080P30	1080P30	/	/
	720P30	720P30	/	/
	360P30	360P30	/	/
	/	/	4KP30	/
			1080P30	/
			720P30	/
			360P30	/
4KP50	4KP25	4KP25	/	/
	1080P25	1080P25	/	/
	720P25	720P25	/	/
	360P25	360P25	/	/
	/	/	4KP25	/
			1080P25	/
			720P25	/

Table continues…

HDMI	USB		Ethernet (LAN)	
	MJPG	**H264**	**H264**	**H264**
			Stream1	**Stream2**
			360P25	/
4KP30	4KP30	4KP30	/	720P30
				360P30
	1080P30	1080P30	1080P30	720P30
				360P30
	720P30	720P30	720P30	720P30
				360P30
	360P30	360P30	360P30	720P30
				360P30
	/	/	4KP30	720P30
				360P30
			1080P30	720P30
				360P30
			720P30	720P30
				360P30
			360P30	720P30
				360P30
4KP25	4KP25	4KP25	/	720P25
				360P25
	1080P25	1080P25	1080P25	720P25
				360P25
	720P25	720P25	720P25	720P25
				360P25
	360P25	360P25	360P25	720P25
				360P25
	/	/	4KP25	720P25
				360P25
			1080P25	720P25
				360P25
			720P25	720P25
				360P25

Table continues…

Comments on this document? infodev@avaya.com

HDMI	USB		Ethernet (LAN)	
	MJPG	**H264**	**H264**	**H264**
			Stream1	**Stream2**
			360P25	720P25
				360P25
1080P60	4KP30	4KP30	/	720P30
				360P30
	1080P30	1080P30	1080P30	720P30
				360P30
	720P30	720P30	720P30	720P30
				360P30
	360P30	360P30	360P30	720P30
				360P30
	/	/	4KP30	720P30
				360P30
			1080P30	720P30
				360P30
			720P30	720P30
				360P30
			360P30	720P30
				360P30
1080P50	4KP25	4KP25	/	720P25
				360P25
	1080P25	1080P25	1080P25	720P25
				360P25
	720P25	720P25	720P25	720P25
				360P25
	360P25	360P25	360P25	720P25
				360P25
	/	/	4KP25	720P25
				360P25
			1080P25	720P25
				360P25
			720P25	720P25
				360P25

Table continues…

HDMI	USB		Ethernet (LAN)	
	MJPG	H264	H264	H264
			Stream1	Stream2
			360P25	720P25
				360P25
1080P30	4KP30	4KP30	/	720P30
				360P30
	1080P30	1080P30	1080P30	720P30
				360P30
	720P30	720P30	720P30	720P30
				360P30
	360P30	360P30	360P30	720P30
				360P30
	/	/	4KP30	720P30
				360P30
			1080P30	720P30
				360P30
			720P30	720P30
				360P30
			360P30	720P30
				360P30
1080P25	4KP25	4KP25	/	720P25
				360P25
	1080P25	1080P25	1080P25	720P25
				360P25
	720P25	720P25	720P25	720P25
				360P25
	360P25	360P25	360P25	720P25
				360P25
	/	/	4KP25	720P25
				360P25
			1080P25	720P25
				360P25
			720P25	720P25
				360P25

Table continues…

HDMI	USB		Ethernet (LAN)	
	MJPG	H264	H264 Stream1	H264 Stream2
			360P25	720P25 360P25
720P60	4KP30	4KP30	/	720P30 360P30
	1080P30	1080P30	1080P30	720P30 360P30
	720P30	720P30	720P30	720P30 360P30
	360P30	360P30	360P30	720P30 360P30
	/	/	4KP30	720P30 360P30
			1080P30	720P30 360P30
			720P30	720P30 360P30
			360P30	720P30 360P30
720P50	4KP25	4KP25	/	720P25 360P25
	1080P25	1080P25	1080P25	720P25 360P25
	720P25	720P25	720P25	720P25 360P25
	360P25	360P25	360P25	720P25 360P25
	/	/	4KP25	720P25 360P25
			1080P25	720P25 360P25
			720P25	720P25 360P25

Table continues…

HDMI	USB		Ethernet (LAN)	
	MJPG	H264	H264	H264
			Stream1	Stream2
			360P25	720P25 360P25
1080I60	4KP30	4KP30	/	720P30 360P30
	1080P30	1080P30	1080P30	720P30 360P30
	720P30	720P30	720P30	720P30 360P30
	360P30	360P30	360P30	720P30 360P30
	/	/	4KP30	720P30 360P30
			1080P30	720P30 360P30
			720P30	720P30 360P30
			360P30	720P30 360P30
1080I50	4KP25	4KP25	/	720P25 360P25
	1080P25	1080P25	1080P25	720P25 360P25
	720P25	720P25	720P25	720P25 360P25
	360P25	360P25	360P25	720P25 360P25
	/	/	4KP25	720P25 360P25
			1080P25	720P25 360P25
			720P25	720P25 360P25

Table continues…

HDMI	USB		Ethernet (LAN)	
	MJPG	H264	H264	H264
			Stream1	Stream2
			360P25	720P25
				360P25

Avaya Room Camera RC100 menu configuration

Avaya Room Camera RC100 has the following menu configuration:

Main menu	Sub menu
IMAGE	SHARPNESS
	BRIGHTNESS
	CONTRAST
	GAMMA
	2DNR
	3DNR
	DRC
	MIRROR
	FLIP

Main menu	Sub menu	Set Value
EXPOSURE	AUTO	• ANTI –FLICKER • BLC • EXP-COMP
	MANUAL	• GAIN • SPEED • LEVEL
	SHUTTER	SPEED
	IRIS	LEVEL
	BRIGHT	• BRIGHTNESS • ANTI –FLICKER

Main menu	Sub menu	Set Value
COLORTONE	WB	• AUTO
		• MANUAL
		• INDOOR
		• OUTOOR
		• OPWB
		• STATIC
	SATURA	-
	HUE	-
CAMERA	RUM SCENE	-
	DIGITAL ZOOM	-

Main menu	Sub menu
PTZ	• P/T SPEED
	• PTZ TRIG AF
	• POWER UP

Main menu	Sub menu	Set Value
SYSTEM	IR ADDR	-
	MOUNT MODE	
	PROTOCOL	
	BAUDRATE	
	HDMI VIDEO FORMAT	
	LANGUAGE	
	UVC PROTOLOL	
	USB IP INFO	
	DEFAULTS	
	NETWORK	• NET MODE
		• IP ADDRESS
		• NET MASK
		• GATEWAY
		• DNS1
		• DNS2

Main menu	Sub menu
DEVICE INFO	FIRM VERSION

Table continues…

Main menu	Sub menu
	HDMI VIDEO FORMAT
	NET MODE
	IP ADDRESS
	NET MASK
	GATEWAY
	DNS1
	DNS2

Menu Explanation

Menu Explanation

- Press **MENU** button to enter or exit menu.

- Press ▲▼ button to select options and press **ENTER** to enter the menu.

- Press ◄► to change the value.

Image field descriptions

Name	Description
SHARPNESS	Use the option to adjust the sharpness of the image and image edge.
	If you increase the sharpness makes the contrast high and clear. But the sharpness value is too high, easy to cause image distortion.
BRIGHTNESS	Use the option to adjust the brightness of the image.
CONTRAST	The option refers to the ratio between the brightest and darkest areas of the image.
	If you increase the contrast makes the image clear and bright. Low contrast makes the image gray.
GAMMA	Use the option to adjust the brightness, the lower the gamma value, the brighter the image.
2DNR LEVEL	When the camera captures a color image, disable the DNR function. Otherwise, the option affects the image sharpness.
3DNR LEVEL	The option enables to suppress noise and retain good video quality in low light conditions.
DRC	The option refers to the range of brightness (contrast) and color temperature (contrast).
MIRROR	The camera image flips 180 degrees horizontally.
FLIP	The camera image flips 180 degrees vertically.

Exposure field descriptions

Name	Description
MODE	Use the option to switch exposure mode.
BLC	Use the backlight compensation option to correct the exposure of subjects in front of a bright light source.
EXP-COMP	Use the option to display the level.

Colortone field descriptions

Name	Description
WB	Use the option to switch to white balance mode.
SATURA	Use the option to enable the color effect.
HUE	Use the option to adjust the overall tendency of the color image, causing the color to rotate.

Camera field descriptions

Name	Description
RUM SCENE	Use the option to set the scene for the best shot of the camera.
DIGITAL ZOOM	When the optical magnification reaches the maximum, turn on or turn off the digital magnification function to continue magnifying the image.

PTZ field descriptions

Name	Description
P/T SPEED	Use the option to set the pan and tilt speeds of the camera.
PTZ TRIG AF	Use the option to focus automatically when the camera moves horizontally and vertically.
POWER UP	The option is performed when the camera is powered on and does not receive the control command.

System field descriptions

Name	Description
IR ADDR	The IR control address of the camera.
MOUNT MODE	The camera image flips 180 degrees vertically and horizontally.
PROTOCOL	The control protocol of the camera.
BAUDRATE	The current baud rate of the camera.
HDMI VIDEO FORMAT	The current video format of the camera.
LANGUAGE	The current language of the camera.
UVC PROTOLOL	The UVC protocol of the camera.
USB IP INFO	The USB IP information of the camera.
DEFAULTS	Use the option to restore the menu parameter settings to default values.
NETWORK	Use the option to view and set the current camera network.

Resetting default values using the Avaya Room Camera RC100 remote control

About this task

Avaya Room Camera RC100 could be reset to default values using the camera remote control.

Procedure

1. Press the **MENU** button to enter the OSD menu.

2. Use the **ARROW** keys to select **SYSTEM**.

3. Press the **HOME** button to confirm.

4. Use the **ARROW** keys to select **DEFAULTS**.

5. Press **HOME** and then **YES** to confirm.

   The value changed from **CONFIRM** to **FINISH**.

Resetting Avaya Room Camera RC100 to factory values

About this task

Avaya Room Camera RC100 could be reset to factory data by pressing the restore button through the pinhole on the rear side of the camera.

Procedure

Press the restore button for 6-7 seconds using a straightened paper clip through the factory restore pinhole.

Result

Avaya Room Camera RC100 restores the factory data.

Chapter 5: Maintenance

Upgrading Avaya Room Camera RC100

About this task

Use a computer connected to the Avaya Room Camera RC100 through USB.

Go to the Avaya Support website at https://support.avaya.com to download the latest Firmware.

Chapter 6: Resources

Documentation

See the following related documents at http://support.avaya.com.

Title	Use this document to:	Audience
Avaya Room Camera RC100 Quick Setup Guide	Understand the features of and use Avaya Room Camera RC100	Customers

Support

Go to the Avaya Support website at https://support.avaya.com for the most up-to-date documentation, product notices, and knowledge articles. You can also search for release notes, downloads, and resolutions to issues. Use the online service request system to create a service request. Chat with live agents to get answers to questions, or request an agent to connect you to a support team if an issue requires additional expertise.

Using the Avaya InSite Knowledge Base

The Avaya InSite Knowledge Base is a web-based search engine that provides:

- Up-to-date troubleshooting procedures and technical tips

- Information about service packs

- Access to customer and technical documentation

- Information about training and certification programs

- Links to other pertinent information

If you are an authorized Avaya Partner or a current Avaya customer with a support contract, you can access the Knowledge Base without extra cost. You must have a login account and a valid Sold-To number.

Use the Avaya InSite Knowledge Base for any potential solutions to problems.

1. Go to http://www.avaya.com/support.

2. Log on to the Avaya website with a valid Avaya user ID and password.

    The system displays the Avaya Support page.

3. Click **Support by Product** > **Product-specific Support**.

4. In **Enter Product Name**, enter the product, and press `Enter`.

5. Select the product from the list, and select a release.

6. Click the **Technical Solutions** tab to see articles.

7. Select relevant articles.

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Comments on this document? infodev@avaya.com