

CommandCentral

Interview Room Hardware Overview and Quick Installation Guide

DECEMBER 2023

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Document History

Version	Description	Date
MN010550A01-A	Initial release of the <i>CommandCentral Interview Room Hardware Overview and Quick Installation Guide</i>	December 2023

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Chapter 1

Interview Room Hardware Overview

CommandCentral Interview Room typically includes the following hardware. This may vary based on the hardware package selected by your Agency.

Figure 1: Interview Room Hardware



 **NOTE:** Since room configurations are unique, and the length of the required cables varies, you must supply your own ethernet cables to connect the hardware.

Chapter 2

Assembling Interview Room Hardware

Follow these steps to set up the hardware for the solution.

For more information, see [Interview Room Hardware Component Details on page 9](#).

Procedure:

1. Install the Dell PowerEdge 250 server on a rack or other location, and plug into a power outlet.
2. Place PoE+ Switch, plug it into a power outlet, and turn it on.
 **NOTE:** The PoE+ connects to the server and to the cameras in the interview rooms. You must decide on an appropriate location for the PoE+ Switch based on your layout.
3. Connect the PoE+ to your Ethernet.
The cable is **not** provided.
4. Connect the PoE+ Switch into the Dell PowerEdge 250 with an Ethernet cable.
The cable is **not** provided.
5. Follow the hardware instructions to assemble the Pelco cameras.
See [Pelco Sarix Cameras on page 10](#).
6. Mount Pelco cameras in interview rooms as desired.
7. **Modular cameras only:** Connect the modular cameras to the main processor unit with the HD BNC cables.
8. Connect the microphones to select cameras I/O connectors with a stripped wire.
9. Attach microphones to the wall or ceiling as desired, and plug them into a power outlet.
10. Connect rocker switches to select cameras I/O connectors with a stripped wire.
11. Install rocker switch outside interview rooms.
12. Connect dome cameras or main processor units to the PoE+ Switch with an ethernet cable.
The cable is **not** provided.
13. Turn on the server.
14. To complete the cloud deployment, log on to CommandCentral Interview Room by accessing <https://interview.commandcentral.com/>.

Chapter 3

Interview Room Hardware Component Details

3.1

Dell PowerEdge R250 Server

The PowerEdge R250, powered by the Intel® Xeon® E-2300 processor, delivers powerful compute for common business applications and streamlines productivity.

Figure 2: Dell PowerEdge R250 Server View



For current product specifications and instructions see the [Dell website](#).

To install the PowerEdge R250, follow the hardware instructions provided with the server, and then connect the server to the ethernet through the Lantronix PoE switch described in the following section.

3.2

Lantronix Smart Managed Gigabit Ethernet PoE+ Switch

The PoE+ Switch provides power to your CommandCentral Interview Room Cameras, and also provides a simple connection to the Dell Appliance and your Ethernet connection.

For current product specifications and instructions see the [Lantronix website](#).

To set up the POE+ Switch:

1. Plug the PoE+ into your power outlet.
2. Connect the PoE+ to your Ethernet.
3. Connect the PoE+ into the Dell PowerEdge 250.
4. Connect your Pelco cameras to the PoE+ with the Ethernet cable.

3.3

Pelco Sarix Cameras

3.3.1

Pelco Sarix Pro 4 Dome Camera

The Sarix Professional 4 Series dome is a versatile, cost-effective security camera with enhanced imaging capabilities. The camera can produce high-quality video with sharp details, even in low-light conditions.

Figure 3: Pelco Sarix Pro 4 Dome Camera View



For current product specifications and instructions see the [Pelco website](#).

To set up the dome camera:

1. Follow the [hardware instructions](#) to assemble and mount the dome camera.
2. To connect the camera to the CommandCentral Interview Room solution and get power to the system, connect the dome camera to the PoE+ with an ethernet cable.

To configure zoom and focus, review the “Accessing Camera Settings” section in [Sarix Professional 4 Operations Manual](#).

3.3.2

Pelco Sarix Modular Cameras and Main Unit

This is the most discreet camera solution available across the Pelco camera portfolio, offering two imager module options to capture scenes and people of interest. The Sarix Modular camera is NDAA-compliant and has open connectivity with leading 3rd party VMS and Pelco VideoXpert.

Figure 4: Pelco Sarix Modular Cameras and Main Unit View



For current product specifications and instructions see the [Pelco website](#).

3.3.2.1

Pelco Sarix Modular Camera Unit Components

The following table describes the multiple components of the Pelco Sarix Modular Camera unit.

Table 1: Pelco Sarix Modular Camera Unit Components

Component	Image	Details
Pelco Sarix Modular 2 Port Main Processor Unit		<ul style="list-style-type: none"> • The Main Processor Unit serves as the base unit for the modular system. • The modular cameras and microphone are connected to the Main Processor Unit. • The Main Processor Unit connects to the PoE+ Switch. • Every interview room system with modular cameras has one Main Processor Unit per room. • Each Main Processor Unit can connect to up to two cameras (Microbullet or Pin Hole Imager). Cameras can be mixed and matched (one of each, or two of a kind).

Component	Image	Details
Pelco Sarix Modular 3MP Fixed Microbullet Camera		<ul style="list-style-type: none">• The Microbullet Camera can be positioned for discreet recording, which is especially useful for sensitive interviews and soft rooms.• For example, it may be set up on a shelf or within a tissue box.
Pelco Sarix Modular 3MP Pin Hole Imager Camera		<ul style="list-style-type: none">• The Pin Hole Imager Camera is another discreet option.• Unlike the Microbullet Camera, the Pin Hole Imager Camera can be installed on a wall.
Pelco Modular 5m HD BNC Cables	(No image available)	Each camera is connected to the Main Processor Unit with an HD BNC Cable.

To set up the modular cameras:

1. Follow the [hardware instructions](#) to assemble and mount the modular cameras.
2. Connect the modular cameras to the main unit with the HD BNC cables.
3. Connect the main unit to the PoE+ with an Ethernet cable.

To configure zoom and focus, review the “Accessing Camera Settings” section in the [Sarix Modular Camera Operations Manual](#).

3.4

Louroe Audio Monitoring System

The ASK-4[®] Audio Monitoring System is a single zone audio monitoring system designed ideally for connection to IP cameras or NVRs. When ceiling mounted, it can pick up sounds within a 30’ diameter circle. The model IF-1 interface adapter connects to the microphone, supplies power to the microphone and drives audio into the input of the recording device.

For more information on IF-1 interface adapter, see <https://www.louroe.com/product/if-1/>.

Figure 5: Louroe Audio Monitoring System View



For current specifications and instructions, please see [Louroe Support](#).

The microphone system consists of the following components:

Figure 6: Microphone Components View

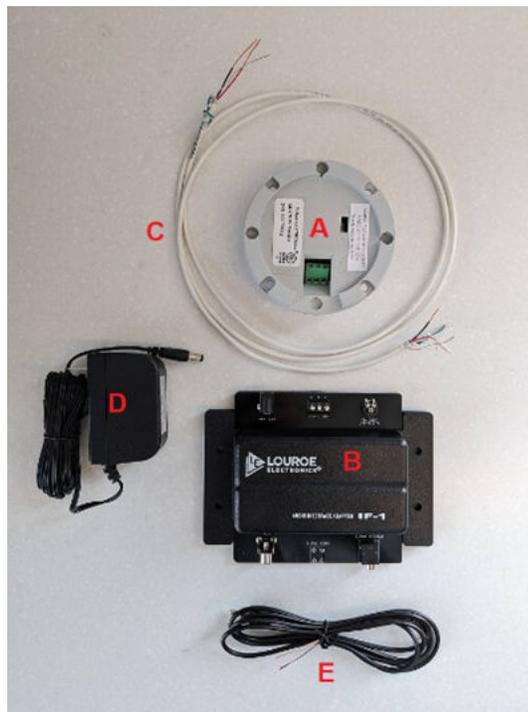
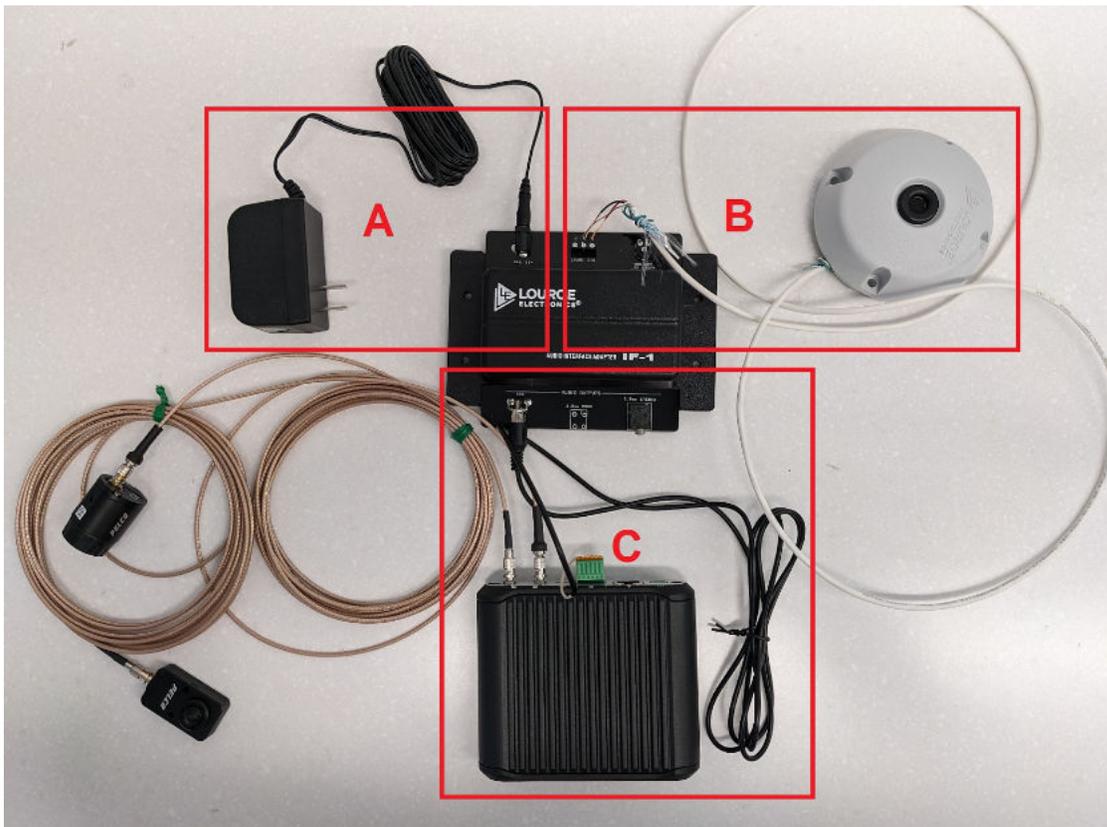


Table 2: Microphone Components Description

Item	Description
A	Microphone
B	Audio Interface Adaptor
C	Shielded Cable (stripped; not included)
D	Power Adaptor
E	RCA Cable (one end cut and stripped)

To set up the audio monitoring system, perform the following steps:

Figure 7: Audio Monitoring System Setup – Reference



1. Connect the power adaptor to the +12 Vdc connector on the Audio Interface Adaptor (see A).
2. Connect the Shielded Cable to the MIC INPUT connector on the Audio Interface Adaptor on one side, and the Microphone on the other side (see B).
 - The Shielded Cable must be stripped.
 - Connect A to A, B to B, and C to C.
C will be the bare wire.
 - For detailed instructions, see [Audio Monitoring System Installation and Operating Instructions](#).
3. Connect the RCA Cable to RCA AUDIO OUTPUT connector on the Audio Interface Adaptor on one side, and the camera's I/O connectors on the other side (see C).
 - One end of the RCA cable must be stripped to connect to the camera's I/O connector.
 - The ground wire connects to the ground I/O connector, and the other wire connects to the Audio In I/O connector.
 - For more details on connecting to the camera's I/O, see the camera's Installation Manual:
 - Pelco Sarix Pro 4 Dome Camera: see [Connecting to Power and External Devices](#).
 - Pelco Sarix Modular System: see [Connecting to External Audio and I/O Devices](#).

3.5

Dell City Rocker Switch

Figure 8: Dell City Rocker Switch View



For current product specifications and instructions, see [Del City support](#) (also available as a PDF [here](#)).

To set up the rocker switch, perform the following steps:

1. Strip the shielded cable and connect it to the rocker switch.
2. Connect the other end of the shielded cable to the camera by using the ground and digital In I/O connectors.
 - You must connect this to whichever camera you choose to use for recording.
 - For more details on connecting to the camera's I/O, see the camera's installation manual:
 - Pelco Sarix Pro 4 Dome Camera: see [Connecting to Power and External Devices](#).
 - Pelco Sarix Modular System: see [Connecting to External Audio and I/O Devices](#).
3. Install the rocker switch on the wall outside the interview room.