Overview

This chapter describes the Cisco Video Surveillance 3421V IP Camera, and includes the following topics:

Introduction

The Cisco Video Surveillance 3421V IP camera is an indoor, high definition, professional fixed 3" mini dome IP camera with industry-leading image quality and processing power. The 1 megapixel (MP) IP camera offers 720p HD resolution with superb image quality up to 30 frames per second (FPS) while optimizing network usage with either H.264 or MJPEG compression. It can capture a much more comprehensive area than a standard VGA model, significantly reducing the number of units required. It is especially suitable for monitoring indoor areas or such as building entrances, retail spaces, or applications requiring accurate identification.

Additionally, the metal vandal-resistant housing effectively provides robust protection from vandalism.

With other advanced features such as 802.3af compliant PoE, micro SD/SDHC card for local storage, and e-PTZ functionality, the 3421V IP camera provides the most robust solution suitable for any demanding indoor environment.

Package Contents

The Cisco Video Surveillance IP Camera package includes the following items:

- Cisco Video Surveillance 3421V IP Camera
- Installation template and alignment sticker (1)
- Ferrite core (1)
- Wall anchors (4)
- Screws (4)
- L-type hex wrench (4)
- DC power cable (1)
- RJ45 coupler (1)
- Extra set of labels (3)
- Cisco documentation pointer card (1)
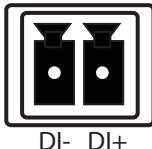- Cisco RoHS document (1)

IP Camera Physical Details

Figure 1-1 and the table that follows describe the physical features of the 3421V IP camera.

Figure 1-1   *IP Camera Physical Features*
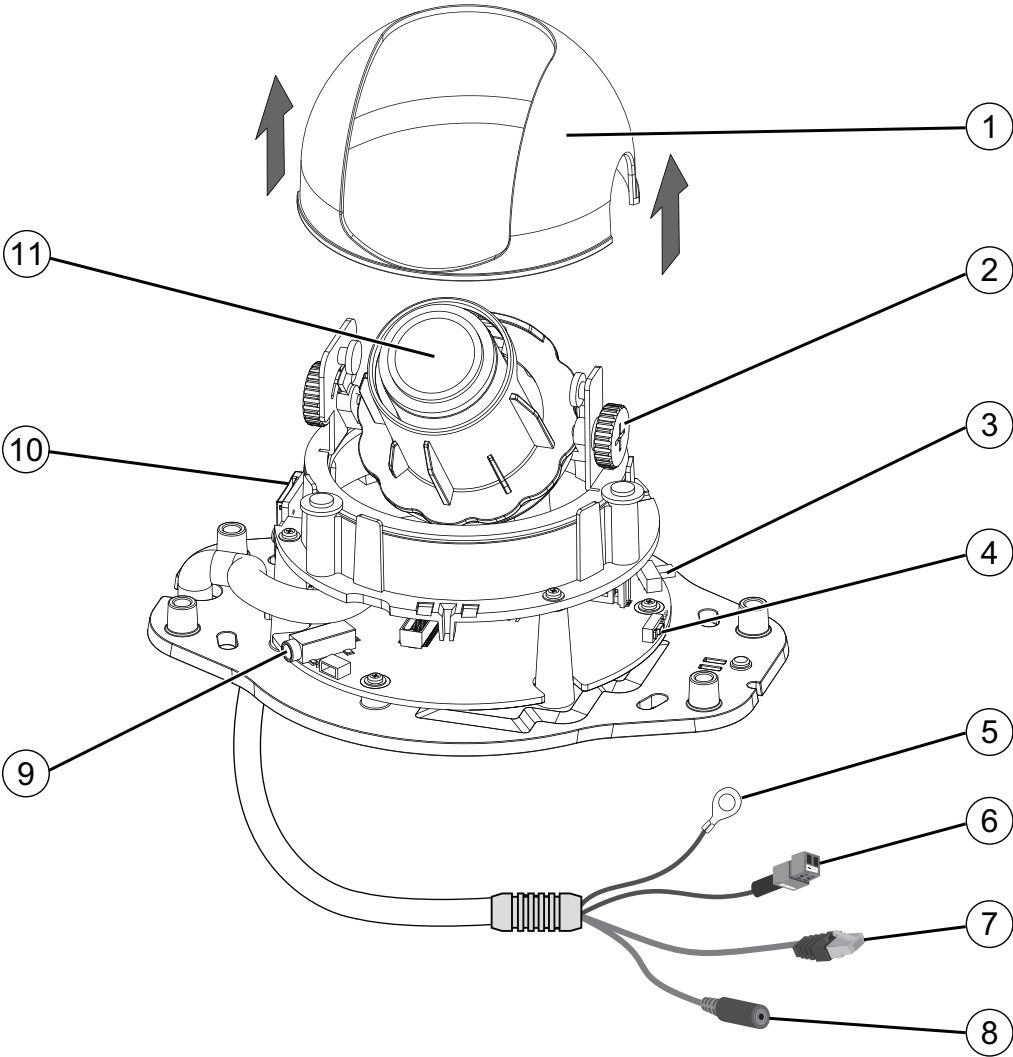
1	Black cover	A dark cover with a cutout for the camera lens that makes it difficult to see where the IP camera is pointed.
		Note You must temporarily remove the black cover when adjusting the camera field of view, focal length, or zoom factor.
2	Tilt adjustment screws	Used when tilting the camera to set the field of view.

3	Video output switch	Switches between the following two video standards:
		• NTSC 60Hz (left, towards the reset switch)—switches camera operation to the National Television System Committee (NTSC) standard.
		• PAL 50Hz (right, away from the reset switch)—switches camera operation to the Phase Alternating Line (PAL) standard.
4	Reset button	Button that reboots the IP camera or resets it to a default state. It can be used any time that the IP camera is on and can have various effects, as described in the "Resetting the IP Camera" section on page 4-3.
5	Ground lug	Used to electrically ground the IP camera. Connect to a grounded conduit or a grounded metallic surface.
6	General Purpose I/O Terminal Block	General purpose input/output (GPIO) terminal block that is used to connect an external digital input device. The GPIO pinout is as follows: DI- DI+
7	Ethernet 10/100 RJ45 plug	Connects the IP camera to a 10/100BaseT router or switch.
8	Power connector	Connects to an optional external power supply (Cisco part number CIVS-IPCA-PWR12V) when the network connection does not support Power over Ethernet (PoE).
		Note Use the included DC power cable to connect the external power supply the IP camera power connector.
9	Video out (green)	Allows the connection of an optional Y cable or mini cable with BNC connector. You can connect a video monitor to the mini cable with BNC connector. Both cables are included in the optional audio/video cables accessory kit can be purchased from Cisco (Cisco part number CIVS-AVCABLE).
10	Micro SD/SDHC card slot	Support for the Micro SD/SDHC card slot will be available in future releases.
11	Varifocal lens	IP camera lens that changes focus as the focal length changes.