Overview

This chapter describes the Cisco Video Surveillance 7530PD IP Camera, and includes the following topics:

Introduction

The Cisco Video Surveillance 7530PD IP Camera is an outdoor, multi-megapixel, full-functioned smart video endpoint with industry-leading image quality and processing power. The camera is capable of a 2560 x 1920 resolution while optimizing network utilization with either H.264 or MJPEG compression. An integrated RS485 interface enables easy integration and aggregation of a wide variety of sensor nodes and alarms.

An onboard DSP co-processor allows for a wide range of processor intensive application to be run directly on the camera, providing true intelligence as the edge.

The 7530PD IP camera comes with an advanced P-Iris lens, which controls the iris opening with extreme precision at an optimal level at all times via the built-in stepper motor, resulting in superior sharpness and depth of field as well as image quality.

Package Contents

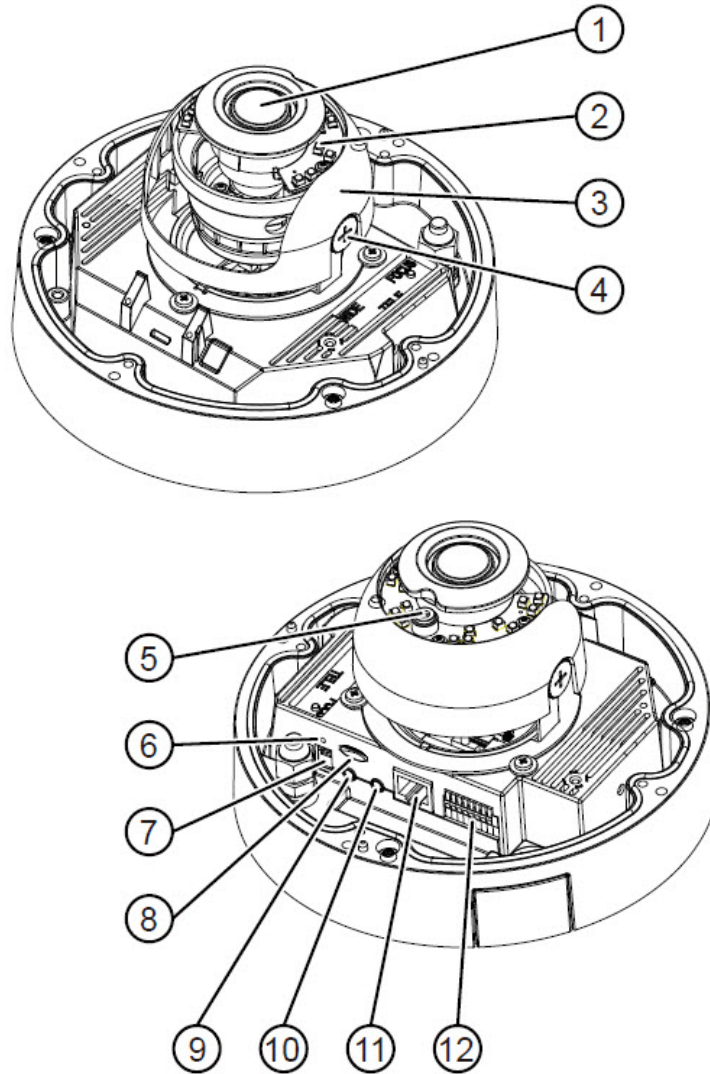The Cisco Video Surveillance IP Camera package includes the following items:

- Cisco Video Surveillance 7530PD IP Camera (1)
- Installation template/alignment sticker (1)
- Mounting plate (1)
- Lens hood (1)
- Bushing (1)
- Waterproof connector (1)
- L type hex key (allen wrench) (1)
- Screws (5)

- Wall anchors (4)
- Hex nut (1)
- Double sided tape (1)
- Silica gel packet (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 7530PD IP camera.
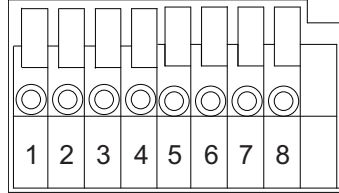
Figure 1-1   *IP Camera Physical Features*

1	Varifocal lens	IP camera lens that changes focus as the focal length changes.
2	IR LEDs	Infrared illuminator LEDs that enhance the video image (effective up to 60 ft. [20 m]) when the IP camera is running in night mode.
3	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.

4	Tilt adjustment screw	Used when tilting the camera to set the field of view.
5	Light sensor	Senses the level of ambient light to determine when to switch day/night mode.
6	Recessed reset button	Recessed button that reboots the IP camera or resets it to a default state. You can use a pin or paper clip to depress it. 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 2-11.
7	External microphone and video output switches	**External microphone** • Off (up)—disables an external microphone connected to the IP camera. • On (down)—enables an external microphone connected to the IP camera. **Note** There is no internal microphone. You must connect an external microphone if you require audio inputs. **Video output** • NTSC 60Hz (up)—switches camera operation to the National Television System Committee (NTSC) standard. • PAL 50Hz (down)—switches camera operation to the Phase Alternating Line (PAL) standard.
8	Micro SD/SDHC card slot	Support for the SD/SDHC card slot will be available in future releases.
9	Audio/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). **Note** Support for audio will be in future releases.
10	Microphone In (pink)	Connection for an external microphone.
11	Ethernet 10/100 RJ45 socket	Accepts a standard LAN cable to connect the IP camera to a 10/100BaseT router or switch.
12	GPIO Block	General purpose input/output (GPIO) terminal block that is used to connect external input and output devices. For more information, see Figure 1-2.

General Purpose I/O Terminal Block

Figure 1-2 shows the GPIO terminal block pin locations and descriptions.

Figure 1-2   ***GPIO Terminal Block Pin Locations and Descriptions***

Pin	Description
1	24 VAC
2	24 VAC
3	RS485–
4	RS485+
5	DI–
6	DI+
7	DO–
8	DO+

Note   The maximum output load from pins 7 and 8 is 50mA.