CHAPTER 1

Overview

This chapter describes the Cisco Video Surveillance 3520 IP Camera, and includes the following topics:

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- Package Contents, page 1-2
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Introduction

The Cisco Video Surveillance 3520 IP camera is an indoor, high definition, professional fixed dome IP camera with industry-leading image quality and processing power. The 1 megapixel (MP) IP camera offers 720p full HD resolution (1280 X 800) 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 spaces such as building entrances, retail spaces or applications requiring accurate identification.

For complete installation and tampering prevention, the 3520 IP camera also allows for different mounting options such as surface, vandal-resistant, and flush mount. Additionally, the metal vandal-resistant housing option effectively provides robust protection against vandalism.

With other advanced features such as 802.3af compliant PoE, micro SD/SDHC card for local storage, and e-PTZ functionality, the 3520 IP camera provides the most robust solution suitable for any demanding indoor environment.

Package Contents

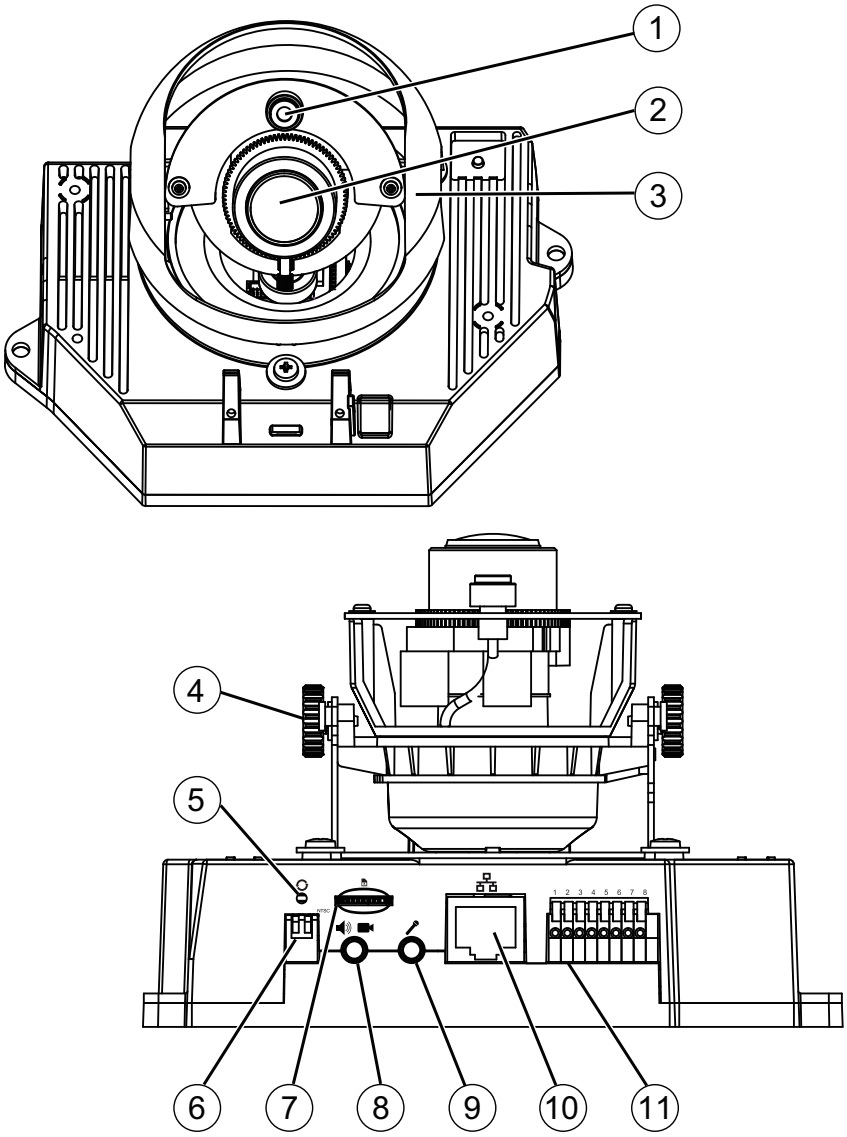
The Cisco Video Surveillance 3520 IP Camera package includes the following items:

- Cisco Video Surveillance 3520 IP Camera (1)
- Installation template and alignment sticker (1)
- Wall anchors (3)
- Screws (3)
- Black cover (1)
- Ethernet 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 3520 IP camera.

Figure 1-1 IP Camera Details



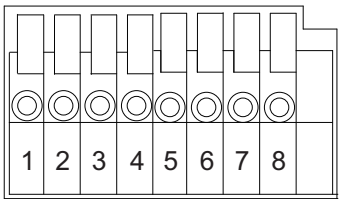
1	Light sensor	Senses the level of ambient light to determine when to switch day/night mode.
2	Varifocal lens	IP camera lens that changes focus as the focal length changes.
3	Black cover	A dark cover with a cutout for the camera lens that makes it difficult to see where the IP camera is pointed. **Note** You must temporarily remove the black cover when adjusting the camera field of view, focal length, or zoom factor.

4	Tilt adjustment screw	Used when tilting the camera to set the field of view.
5	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.
6	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. **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.
7	SD/SDHC card slot	Support for the SD/SDHC card slot will be available in future releases.
8	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.
9	Microphone in (pink)	Connection for an external microphone.
10	Ethernet 10/100 RJ45 socket	Accepts a standard LAN cable to connect the IP camera to a 10/100BaseT router or switch.
11	GPIO terminal 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	DC 12V-
2	DC 12V+
3	AC 24V_2
4	AC 24V_1
5	DI- (GND)
6	DI+
7	DO-
8	DO+ (+12V)

Note The maximum output load from pins 7 and 8 is 400mA.