Overview

This chapter provides an describes of the Cisco Video Surveillance 2621 IP dome and provides an overview of its features. It includes these topics:

- Features, page 1-1
- IP Camera Overview, page 1-2

Features

The Cisco Video Surveillance IP cameras offer a feature-rich digital camera solution for a video surveillance system. They provide high-quality, bandwidth-efficient video capture and transmission, with support for D1 resolution, motion-triggered viewing, H.264 encoding, and MPEG-4 encoding. They can be powered through an external power supply or by integrated Power over Ethernet (PoE). The 2621 IP domes are vandal-resistant and are designed to be mounted indoors. Model CIVS-IPC-2621V includes a smoked dome cover.

In addition, the devices provide networking and security capabilities, including multicast support, hardware-based Advanced Encryption Standard (AES), and hardware-based Data Encryption Standard/Triple Data Encryption Standard (DES/3DES) encryption.

The IP cameras include the following key features:

- **Built-in H.264 encoder**—An internal H.264 encoder can generate the primary or secondary video stream.
- **Built-in MPEG4 encoder**—An internal MPEG4 encoder can generate up to two video streams.
- **Built-in MJPEG encoder**—An internal MJPEG encoder can generate the primary or secondary video stream.
- **Privacy Regions**—Up to four user-defined masking zones that can be used to provide regions of privacy in the camera field of view. Video within privacy regions is not recorded in the camera, nor sent in the video stream.
- **Day/night switch support**—An IR-cut filter provides increased sensitivity in low-light conditions.
- **Two-way audio communication**—Audio can be encoded with the video. With the internal or optional external microphone and optional external speaker, you can communicate with people at the IP camera location while you are in a remote location and viewing images from the IP camera.
- **Multi-protocol support**—Support for these protocols: DHCP, FTP, HTTP, HTTPS, NTP, RTP, RTSP, SMTP, SSL/TLS, and TCP/IP.
- **Web-based management**—You perform ongoing administration and management of an IP camera through web-based configuration menus.
• **Motion detection**—The IP cameras can detect motion in up to four designated fields of view by analyzing changes in pixels and generate an alert if motion is detected.

• **Flexible scheduling**—You can configure the IP cameras to respond to events that occur within a designated schedule.

• **Syslog support**—The IP cameras can send log data to a Syslog server.

• **IP address filter**—You can designate IP addresses that can access an IP camera and IP addresses that cannot access an IP camera.

• **User-definable HTTP/HTTPS port number**—Allows you to define the port that is used to connect to a camera through the Internet.

• **DHCP support**—An IP camera can automatically obtain its IP addresses in a network in which DHCP is enabled.

• **Network Time Protocol (NTP) support**—Allows an IP camera to calibrate its internal clock with a local or Internet time server.

• **Power options**—An IP camera can be powered with 12 volts DC or 24 volts AC, provided through an optional external power adapter, or through PoE (802.3af), is provided through a supported switch.

• **Camera access control**—You can control access to IP camera configuration windows and live video by configuring various user types and log in credentials.

• **Cisco Media API**—The IP cameras supports the open, standards based, Cisco Media Application Programming Interface.

**IP Camera Overview**

The following sections provide information about the Cisco Video Surveillance IP Camera:

- **Physical Details**, page 1-3
- **Package Contents**, page 1-6
Physical Details

Figure 1-1 and the table that follows describe the items on the top of the 2621 IP dome.

**Figure 1-1  Top of the 2621 IP Dome**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Network LED (amber)</td>
</tr>
<tr>
<td></td>
<td>Indicates information about the network connections as follows:</td>
</tr>
<tr>
<td></td>
<td>• On—LAN connection is detected</td>
</tr>
<tr>
<td></td>
<td>• Off—LAN connection is not detected</td>
</tr>
<tr>
<td></td>
<td>• Blinking—Data is being transmitted or received via the LAN connection</td>
</tr>
<tr>
<td>2</td>
<td>Power LED (green)</td>
</tr>
<tr>
<td></td>
<td>Lights for approximately 1 minute when the IP camera powers up, then turns off.</td>
</tr>
<tr>
<td></td>
<td>Audio port</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>GPIO ports</td>
</tr>
<tr>
<td></td>
<td>LAN port</td>
</tr>
<tr>
<td></td>
<td>Power input</td>
</tr>
</tbody>
</table>
Figure 1-2 and the table that follows describe the items on the bottom of the 2621 IP dome.

**Figure 1-2 Bottom of the 2621 IP Dome**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>USB port</td>
</tr>
<tr>
<td>2</td>
<td>Analog video output</td>
</tr>
<tr>
<td>3</td>
<td>Reset button</td>
</tr>
</tbody>
</table>
Chapter 1      Overview

IP Camera Overview

Package Contents

The Cisco Video Surveillance IP Camera package includes these items:

- *Cisco Video Surveillance 2621 IP Camera Quick Start Guide* (qty. 1)
- *Regulatory Compliance and Safety Information* document (qty. 1)
- Camera with smoked bubble (qty. 1)
- Template for mounting (qty. 1)
- Security wire and screw (qty. 1)
- 0.9 mm Allen wrench for adjusting lens (qty. 1)
- TORX screwdriver for tamper resistant TORX head screws (qty. 1)
- 8-32 x 5/16 inch screws (qty. 4)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 4 | Network LED (amber) | Indicates information about the network connections as follows:
|   |   | • On—LAN connection is detected
|   |   | • Off—LAN connection is not detected
|   |   | • Blinking—Data is being transmitted or received via the LAN connection
| 5 | Power LED (green) | Lights for approximately 1 minute when the camera powers up, then turns off.