

Wireless Day/Night IP Network Camera

Product Overview

The LevelOne WCS-1090 Day/Night Network Camera features a high definition Sony Progressive CCD image sensor capturing high quality live streaming video. The IP Camera features MPEG-4/MJPEG video compression, dual stream capability to multiple users, day/night switching, audio capability for flexible deployment.

Wireless Camera with Day/Night Support

The WCS-1090 Day/Night Network Camera features both Wireless and Day/Night support. The camera supports 11b/g wireless connectivity with standard WEP, WPA/WPA2 encryption for secured wireless connections. The auto day/night switching allows for automatic camera adjustment to capture color images under normal light and black and white images under low light conditions. The high quality CCD sensor enables users to enjoy high definition picture quality at full VGA quality at 30 frames per second under most light conditions.

Multiple Video and Bi-directional Audio Compression

With enhanced MPEG-4 and Motion-JPEG Video compression, users can enjoy high-quality images with minimum bandwidth. The WCS-1090 includes G.726 audio compression for easy synchronizing with live video streams.

Motion Detection & E-mail Alerts

Users can setup 4 motion-detection regions with the WCS-1090, each with adjustable size and sensitivity. When motion is detected at the specified regions, the system can send an E-mail alert or send captured images via FTP upload to a designated storage server.

Advanced Features for Professional Use

The LevelOne WCS-1090 includes a range of advance features for professional surveillance users. These include a SYSLOG server for remote log server to log messages as well as NTP (Network-Time-Protocol) Support for synchronizing the camera's internal clock to an Internet Time-Server for a legitimate time-stamp on recorded video and pictures.

Bundled LevelOne IP CamSecure Lite

The WCS-1090 Wireless Day/Night Network Camera is bundled with the LevelOne IP CamSecure Lite Surveillance Management Software package. It is an easy to use Web-based surveillance management tool that allows users to monitor the camera locally over the LAN or remotely over the Internet.



WCS-1090

Key Features

- Suitable for Home, Business or Public Facilities
- Features a high-definition Sony progressive CCD sensor for high-resolution image capturing
- Supports MJPEG and MPEG-4 video compression standards
- Day/Night viewing with automatic IR filter switching
- 4 Motion Detection Areas with individual sensitivity set-up
- Wireless connectivity with WEP, WAP/WAP2 wireless security support
- Features a bi-directional microphone for easy setup as an intercom with display
- Dual live video streaming to multiple users
- Supports up to 30 frames per second in full VGA resolution
- Remote viewing over the Internet or via 3G* Mobile phone *This feature depends on the local mobile telecom system and the mobile phone model. LevelOne does not guarantee that this feature will work in all countries.
- Features Motion Detection and Event-notification via E-mail
- Supports UPnP for Easy set-up and installation and DDNS for dynamic IP
- Supports Windows XP/2000/VISTA
- Bundled with LevelOne IP CamSecure Lite surveillance management software

Technical Specification

Video Specifications

Image Sensor

- Sony ICX098BQ 1/4" CCD Sensor

Lens

- 6mm CS-Mount Type, Fixed Focus Lens, F1.6
- 0.5 Lux minimum illumination

Compression

- MPEG-4/M-JPEG Dual Stream

Resolution Support

- 640x480, 320x240, 160x120 @ 30 fps NTSC
- 640x480, 320x240, 160x120 @ 25 fps PAL

IR Filter Switcher

- Motorized Switcher
- Manual trigger
- Scheduled

Image Control

- Auto-White-Balance
- Auto- Exposure Control
- Auto Day/Night Switching
- Auto-Gain-Control

Video Options

- Time Stamp
- Text Overlay
- Motion detection

3GPP

- 160x120@15fs,
- MPEG-4 for mobile phone viewing

Audio Specifications

Compression

- G.726, G.711

Microphone/Speaker

- Built-in Microphone
- Microphone Input, 3.5mm Phone Jack
- Speakers Output*, 3.5 mm Phone Jack

*The audio out-port only supports G.726 compression only

Hardware Specifications

Network Interface

- 1x 10/100 BaseT (RJ45) port
- 2x antenna for 802.11b/g wireless connectivity
- WEP, WPA/WPA2 security protocols

Network Protocols

- TCP/IP, DHCP, SMTP, NTP, HTTP, HTTPS, UPnP, FTP, RTP, RTSP

I/O Ports

- Input Control x 2 (2 pins)
- Output Control x 2 (2 pins)

LED Indicators

- Ready, Activity, Device Off

Power Adapter

- 12V/1A DC External

Power Consumption

- Standard Power: 10W

Environmental Conditions

- Operating Temperature: 0°C ~ 40°C
- Operating Humidity: 10% ~ 80%
- Storage Temperature: -20°C to 70°C
- Storage Humidity: 10% ~ 90%

Dimensions

- 80mm (W) x 50mm (H) x 132mm (D)

Alert

Motion Detection

- 4 Detection Areas with individual sensitivity

E-Mail Alert

- 3 e-mail address

FTP Uploading

- 2 FTP servers address and login settings

Instant Message

- 1 Jabber client and 1 HTTP notification for IM notification

Software Specifications

- Bundled with LevelOne IP CamSecure Lite
- Camera Wizard Windows-Based for initial Installation

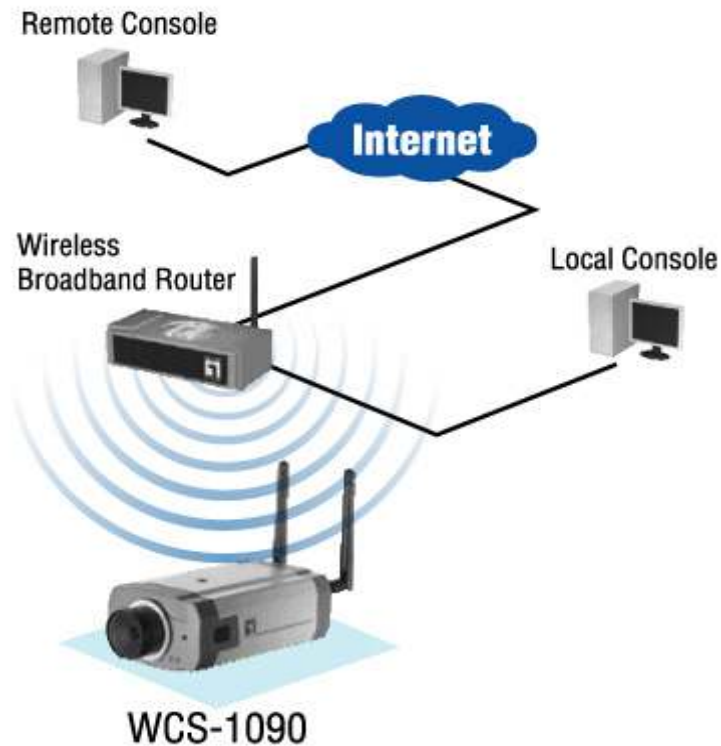
Browser Support

- Browser Support Internet Explorer 6 and above
- ActiveX Support ActiveX 8.0 and above

Certification

FCC
CE

Product Diagram



Order Information

WCS-1090 Wireless Day/Night IP Network Camera

Package Content

1. WCS-1090
2. Power Adapter
3. Antenna
4. Lens
5. Camera Stand
6. Allen Wrench
7. CD Manual/ Utility
8. Quick installation Guide