



Wireless Day/Night IP Network Camera



WCS-1090

H/W Version: 1

Product Overview

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

Day/Night Support

The WCS-1090 features Day/Night viewing with automatic IR filter switching. That allows automatic camera adjustment to capture color images under normal light and low light conditions. The high quality CCD sensor provides high picture quality at VGA quality at 30 fps under most light conditions.

Multiple Video and Bi-directional Audio Compression

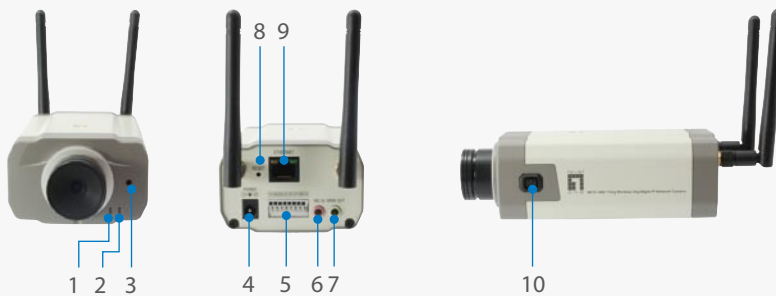
With enhanced MPEG-4 and Motion-JPEG Video compression, users can enjoy high-quality images with minimum bandwidth. The WCS-1090 includes G.726 audio compression for easy synchronizing with live video streams.

Advanced Features for Professional Use

The LevelOne WCS-1090 includes a SYSLOG server for remote log server to log messages as well as Network-Time-Protocol for synchronizing camera's clock to an Internet Time-Server for a 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. That allows users to monitor the camera up to 32 channels simultaneously.



- 1. Power LED
- 2. Network LED
- 3. Built-in Microphone
- 4. Power Input
- 5. GPIO
- 6. Audio In
- 7. Audio Out
- 8. Reset Button
- 9. LAN Port
- 10. 4-Pin Auto Iris Connector

Key Features

- Triple Streaming for MPEG4, Motion-JPEG and Mobile device simultaneously
- Day/Night viewing with automatic IR filter switching
- Features a built-in microphone and external audio in/out jacks
- Supports up to 30 frames per second in full VGA resolution
- Remote viewing over the Internet or via 3G Mobile phone
- Features Motion Detection and Event-notification via E-mail
- Free software included (Industry-leading 32-channel IP CamSecure Lite™ software)

Works Well With



FCS-9464
IP CamSecure Pro64 Mega



FCS-7011
1-Port PoE Video Server

Technical Specification

Network

1 x RJ-45 10/100 Mbps port

Wireless Specifications

IEEE 802.11b

IEEE 802.11g

Operation Modes

Infrastructure / Ad-Hoc

Wireless Range

50m Indoor

Encryption

64/128-bit WEP, WPA-PSK/WPA2-Personal (TKIP/AES)

Frequency

2.4~2.4835GHz, DSSS

Antenna

2dBi Detachable

Video

Compression Mode

MPEG4/MJPEG

Max. Resolution

640x480 pixels

Frame Rate

160x120: 30fps/25fps

320x240: 30fps/25fps

640x480: 30fps/25fps

3GPP

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

Still Picture

JPEG

Video Record

AVI

Camera

Sensor

Sony ICX098BQ 1/4" CCD Sensor

Lens

6mm CS-Mount Type, Fixed Focus Lens, F1.6

View Angle

54°

Minimum Illumination

0.5 Lux minimum illumination

Infrared Facility

Removable IR cut filter

-Motorized Switcher

-Manual trigger

-Scheduled

AGC/AWB/AES

Auto Iris Control

DC-drive Iris

Audio

Audio In/Out

Built-in Microphone

External microphone input jack

External speaker output jack

Audio Codec

G.726, G.711

S/N Ratio

>58dB

Zoom

Digital Zoom

4x

Hardware & Environment

Flash ROM

4MB Flash ROM

SDRAM

32MB SDRAM

Housing

Indoor use

Day/Night

Removable IR cut filter

Digital I/O

2DI / 2DO

Power

12V/1A DC External

Environmental Conditions

Operating Temperature: 0°C ~ 40°C

Operating Humidity: 10% ~ 80%

Storage Temperature: -20°C to 70°C

Storage Humidity: 10% ~ 90%

Dimension

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

Weight

495g without stand

Supported Protocols

IPv4, TCP/IP, DHCP, SMTP, NTP, HTTP, HTTPS, UPnP, FTP, RTP, RTSP, DDNS

Software

Bundled with 32-Channel LevelOne IP CamSecure Lite surveillance management software

Viewing System Requirement

OS

Microsoft Windows 2000/XP/Vista

Browser

Mozilla, Firefox, Safari, Netscape, IE 6.x or above

3GPP Player

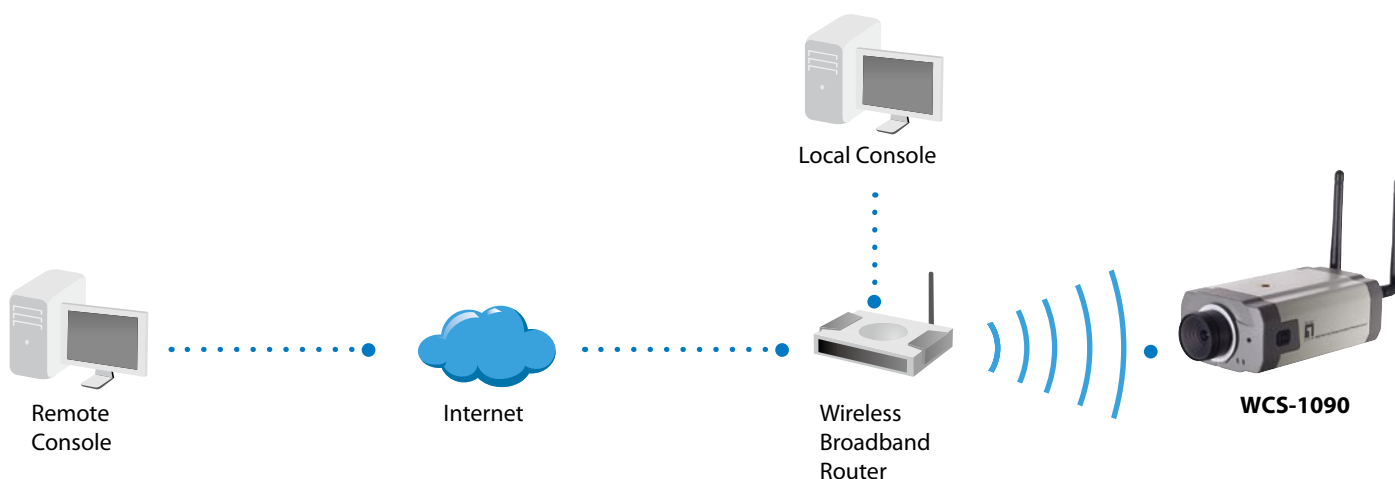
Real Player 10.5 or above

Quick Time 6.5 or above

EMI and Safety

FCC, CE

Product Diagram



Order Information

WCS-1090: Wireless Day/Night IP Network Camera

Package Contents

WCS-1090
Power Adapter
Antennas
6mm CS-mount Lens
Camera Stand
Allen Wrench
CD Manual/Utility
Quick Installation Guide

Optional Accessories



CAS-3015
IR Illuminator (15M)



CAS-3030
IR Illuminator (30M)



CAS-1000A
3.5~8mm Vari-Focal Lens



CAS-1100
6~60mm Vari-focal Lens

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