



54Mbps Wireless P/T/Z Network Camera



WCS-2040

H/W Version: 3

Product Overview

WCS-2040 is a high-performance 11g 54Mbps Wireless pan/tilt/zoom network camera features 10x optical zoom and pan/tilt functionality. With a high 1/4" CCD sensor that records ideal images up to 704 x 480 pixels, enables users to enjoy high definition picture quality at full VGA quality at 30 frames per second under most light conditions. This camera is designed for indoor surveillance applications such as the retail store, office or bank.

Advanced Pan/Tilt/Zoom Camera

The built-in 10x motorized optical zoom provides greater depth of field when zoomed in. Therefore, it can display clear-cut images on near or distant objects. With flexible 300° pan and 135° tilt function,

Advanced Features

WCS-2040 gives users the advantages of dual-codec (MPEG-4 and MJPEG), dual streams and two-way audio by SIP protocol. With support of dual streams, with different resolutions, frame size and image quality to different platforms. Features Minimum Illumination* of 0.05 Lux enables fully recording a satisfactory image in near total darkness.

Ideal Surveillance Solution with Wireless Connection

In addition, WCS-2040 is IEEE 802.11g compliant, offers advanced wireless network protection with 64/128-bit WEP encryption, WPA and WPA2, enabling flexible deployment in a Wireless enabled network. Bundled with LevelOne IP CamSecure Lite software, users are able internet or via 3G mobile phone.



1. Status LED
2. Built-in Microphone
3. Power Cord Socket
4. LAN Port
5. Audio In
6. Digital Input/Output
7. A/V Out
8. External/Internal MIC Switch

Key Features

- 10x Optical Zoom Lens
- Motorized Pan/Tilt (Pan: -150°~+150°; Tilt: -45°~+90°)
- Real-time MPEG-4 and MJPEG Compression
- Supports Dual Streams Simultaneously
- Minimum Illumination: 0.05 Lux/F1.8
- Two-way Audio via SIP Protocol
- Build in DIP switch for External/Internal Microphone
- Built-in 802.11b/g WLAN
- HTTPS Encrypted Data Transmission
- Digital I/O for External Sensor and Alarm

Works Well With



FCS-9464
IP CamSecure Pro64 Mega



WBR-6011
300Mbps N_Max Wireless Router



Technical Specification

System

- Flash: 8MB
- RAM: 64MB+32MB
- Embedded OS: Linux 2.6

Pan/Tilt/Zoom

- Pan Range: 300° (-150°~+150°)
- Tilt Range: 135° (-45°~+90°)
- 10x optical zoom, 10x digital zoom
- Auto pan mode
- Auto patrol mode

Lens

- 10x optical zoom lens, f=4.2 ~ 42mm, F1.8 (wide), F2.9 (Tele), auto iris, auto focus
- Angle of View
 - 4.9 ~ 46° (horizontal)
 - 3.6 ~ 35° (vertical)
- Shutter Time: NTSC: 1/60 sec. to 1/10000 sec.
PAL: 1/50 sec. to 1/10000 sec.
- Image Sensor: 1/4" CCD sensor in D1 resolution
- Minimum Illumination
 - 1.5 Lux / F 1.8 (Typical)
 - 0.05 Lux / F 1.8 (Low light mode)

Video

- Compression: MPEG-4 & MJPEG (Dual Code)
- Streaming:
 - Simultaneously dual-streaming
 - MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
 - MPEG-4 multicast streaming
 - MJPEG streaming over HTTP or HTTPS
- Support 3GPP mobile surveillance
- Frame rates:
 - MPEG-4: Up to 30/25 fps 704x480/704x576
 - MJPEG: Up to 30/25 fps 704x480/704x576

Image Setting

- Adjustable image size, quality, and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable brightness, contrast, saturation, sharpness, and white balance
- ATW, AWB, AES, ALC
- Backlight compensation (BLC)

Audio

- Compression
 - GSM-AMR speech encoding, bit rate: 4.75kbps to 12.2kbps
 - MPEG-4 AAC audio encoding, bit rate: 16kbps to 128kbps
- Interface
 - Built-in microphone
 - External/internal microphone switch
- Supports two-way audio via SIP protocol
- Supports audio mute

Networking

- 10/100 Mbps Ethernet, RJ-45
- Built-in 802.11b/g WLAN
 - Protocols: IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, and PPPoE

Alarm and Event Management

- Triple-window video for motion detection
- One D/I and one D/O for external sensor and alarm
- Event notification using HTTP, SMTP, or FTP
- Local recording of MP4 files

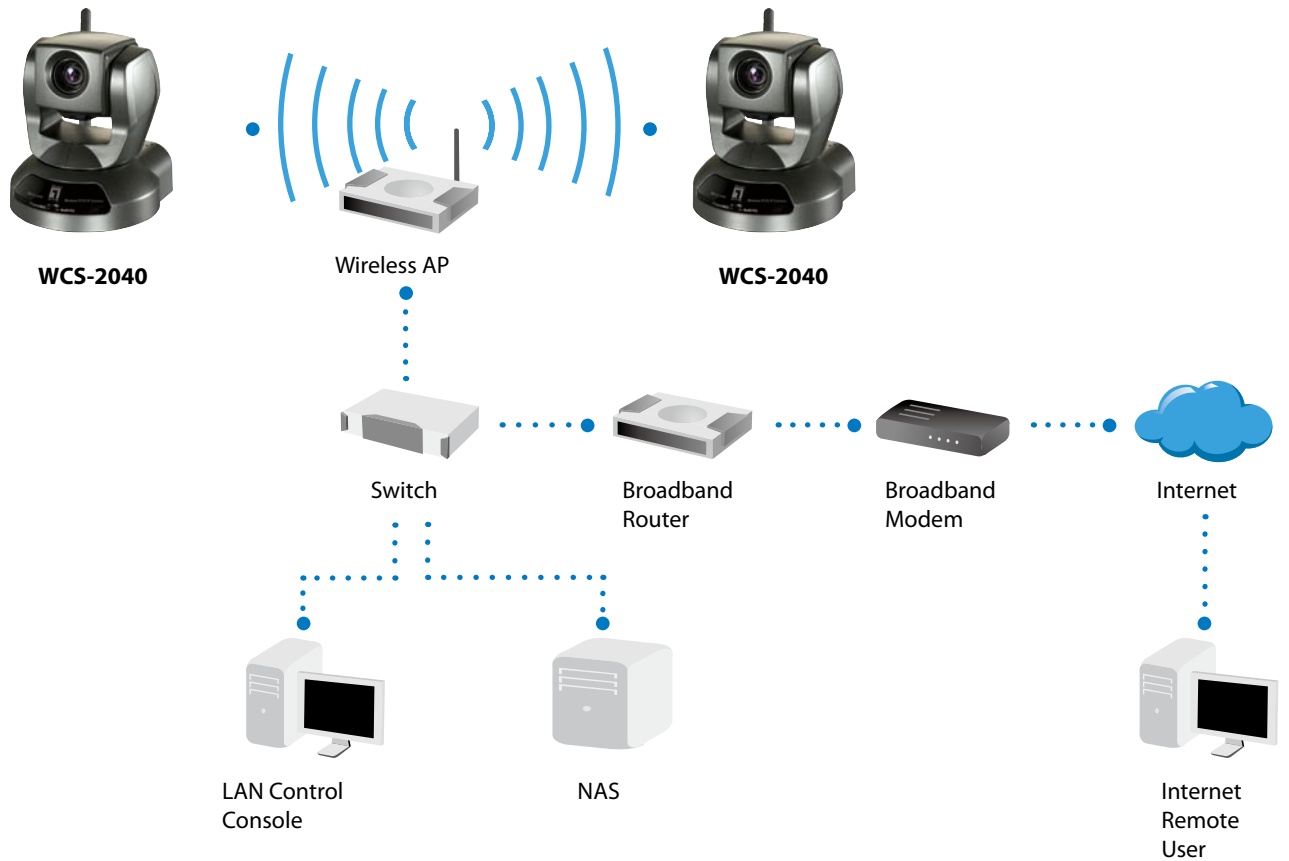
Security

- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission
- Wireless: WEP, WPA-PSK, WPA2-PSK

General

- Users: Camera live viewing for up to 10 clients
- Dimension: Ø 105mm x 120mm
- Weight Net: 408g
- LED Indicator
 - System power and status indicator
 - System activity and network link indicator
- Power
 - 12VDC
 - Power consumption: Max. 13W
- Approvals: CE, FCC
- Operation Environments
 - Temperature: 0 ~ 50°C (32 ~ 122°F)
 - Humidity: 20% ~ 80% RH
- Viewing System Requirements
 - OS: Microsoft Window 2000/XP/Vista
 - Browser: Internet Explorer 6.x or above
 - Cell phone: 3GPP player
 - Real Player: 10.5 or above
 - Quick Time: 6.5 or above
- Installation, Management, and Maintenance
 - Installation Wizard Tool
 - Supports firmware upgrade
 - 32-channel IP CamSecure Lite™

Product Diagram



Order Information

Package Contents

WCS-2040: 54Mbps Wireless P/T/Z Network Camera

WCS-2040
Power Adapter
Ceiling Mount Brackets
Antenna x1
A/V Cable
Quick Installation Guide
CD Manual / Utility