



## P/T/Z Network Camera



FCS-1040

H/W Version: 3

### Product Overview

FCS-1040 is a high-performance PoE 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, FCS-1040 brings more comprehensive control to the monitored site.

### Advanced Features

FCS-1040 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, it simultaneously delivers dual video 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.



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 802.3af PoE Compliant
- HTTPS Encrypted Data Transmission
- Digital I/O for External Sensor and Alarm

### Works Well With



**FCS-9464**  
IP CamSecure Pro64 Mega



**POI-2000**  
PoE Injector



## 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
- 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

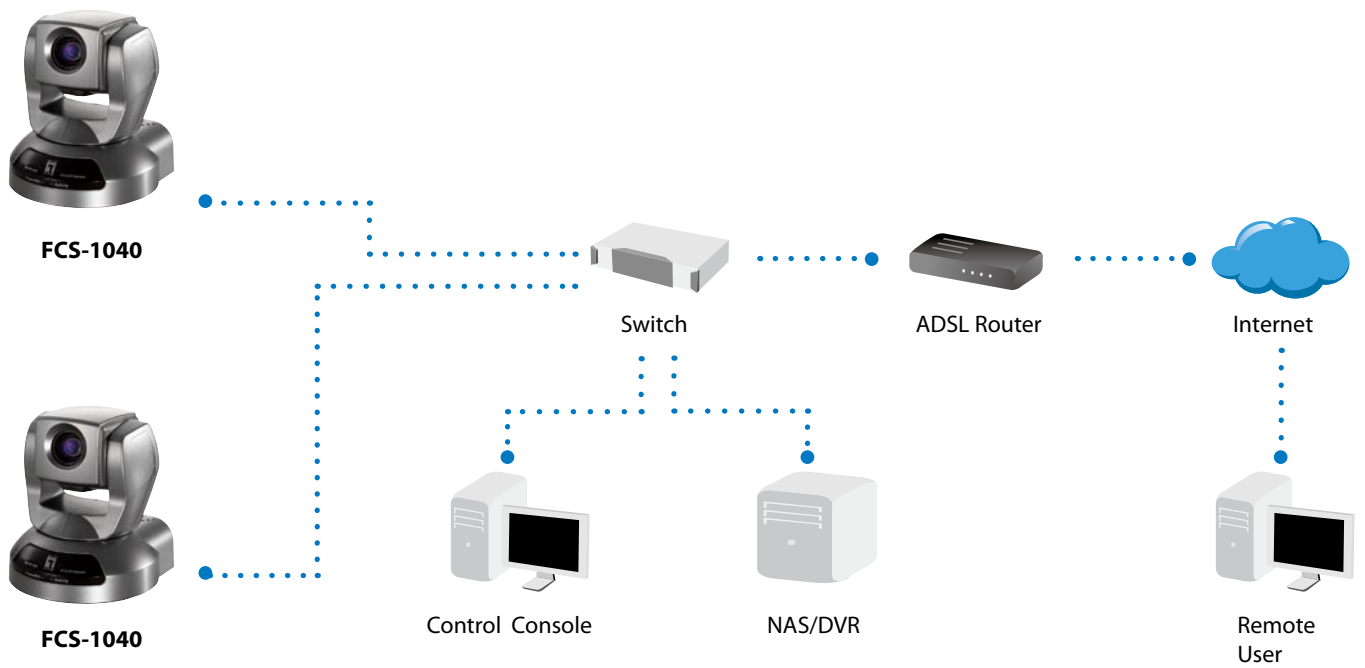
- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission

### General

- Users: Camera live viewing for up to 10 clients
- Dimension: Ø 105mm x 120mm
- Weight Net: 391g
- LED Indicator
  - System power and status indicator
  - System activity and network link indicator
- Power
  - 12VDC/1.5A
  - Power consumption: Max. 12W
  - 802.3af compliant Power-over-Ethernet
- 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

### **FCS-1040:** P/T/Z Network Camera

FCS-1040  
Power Adapter  
Ceiling Mount Brackets  
A/V Cable  
Quick Installation Guide  
CD Manual / Utility

## Optional Accessories



**DOH-1000**  
Domed Outdoor Housing



**DOH-1100**  
Heavy-Duty Domed Outdoor Housing

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