level one®

1-Port H.264 PoE Video Server

FCS-7111

H/W Version: 1

The LevelOne FCS-7111 1-Port H.264 PoE Video Server enables analog cameras to be incorporated with an IP-based network system and provides superior functionality for state-of-the-art surveillance.
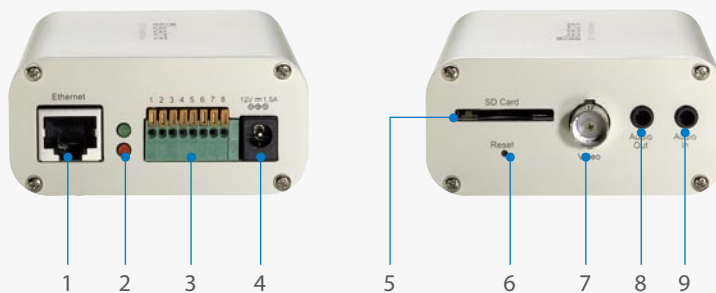
Triple Codec and Multiple Video Streams

The FCS-7111 supports the advanced H.264 compression format that drastically reduces file sizes and conserves valuable bandwidth as well as storage space. Users can receive multiple streams simultaneously based on different settings for viewing on different platforms such as PCs or mobile phones. With tamper detection support, cameras connected to the FCS-7111 will be able to detect camera tampering attempts in real time.

PoE Compliance for Simplified Deployment

802.3af compliance not only allows easy deployment without lumpy cable connections but also reduces cabling cost. With one single Ethernet cable data and power can be transmitted simultaneously.

Free Bundled Software

The FCS-7111 comes with LevelOne's 32-channel surveillance software, IP CamSecure Lite which is upgradeable to IP CamSecure Pro Mega for advanced functionality and abundant surveillance management features.

1 2 3 4 5 6 7 8 9

1. LAN Port
2. LED Indicator
3. Digital Input/Output
4. Power Cord Socket
5. SD Card Slot
6. Reset Button
7. BNC Connector
8. Audio Out
9. Audio In

Key Features

- Up to 30 fps in D1 Resolution
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- Multiple Streams Simultaneously
- Built-in 802.3af Compliant PoE
- Two-way Audio via SIP Protocol
- HTTPS Encrypted Data Transmission
- 802.1x Port-based Authentication for Network Protection
- Digital I/O for External Sensor and Alarm
- RS-485 Interface for Scanners, Pan/Tilts
- Built-in SD/SDHC Card Slot for On-board Storage
- Bundle with LevelOne 32-Channel Monitoring Software

Works Well With

FCS-9464
IP CamSecure Pro64 Mega (64-Channel)

FSW-0503
4FE PoE + 1 FE Switch

Technical Specification

System
- CPU: TI DM365 SoC
- Flash: 128MB
- RAM: 128MB
- Embedded OS: Linux 2.6

Camera Control
- PTZ camera control through RS-485
- Supported devices and protocols: DynaDome/ SmartDome
  Pelco D
  LiLin
  Pelco P
  Samsung scc643 and customized types
- Supports CGI command serial driver

Video
- Compression: H.264, MJPEG & MPEG-4
- Streaming: Simultaneous multiple streams
  H.264 streaming over UDP, TCP, HTTP or HTTPS
  MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
  MPEG-4 multicast streaming
  MJEPG streaming over HTTP or HTTPS
- Supports activity adaptive streaming for dynamic frame rate control
- Frame rates:
  H.264: Up to 30/25 fps at 720 x 480 (NTSC)/720 x 576 (PAL)
  MPEG-4: Up to 30/25 fps at 720 x 480 (NTSC)/720 x 576 (PAL)
  MJEPG: Up to 30/25 fps at 720 x 480 (NTSC)/720 x 576 (PAL)
- Interface: BNC connector for video output

Image Settings
- Adjustable image size, quality, and bit rate
- Time stamp, text caption, and frame rate overlay
- Flip & mirror
- Configurable brightness, contrast, saturation and sharpness
- Supports privacy masks

Audio
- Compression:
  GSM-AMR speech compression, bit rate: 4.75Kbps ~ 12.2 kbps
  MPEG-4 AAC audio encoding, bit rate: 16 kbps ~ 128 kbps
- Interface:
  Line level input: up to 1 Vms
  Audio output
- Supports two-way audio via SIP protocol
- Supports audio mute

Networking
- 10/100 Mbps Ethernet, RJ-45
- ONVIF Supported
- Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/ RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1x

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

On-Board Storage
- SD/SDHC card slot
- Stores snapshots and video clips

Security
- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission
- 802.1x port-based authentication for network protection

Users
Live viewing for up to 10 clients

Dimension
130mm (D) x 78.35mm (W) x 33.85mm (H)

Weight
242g

LED Indicator
- System power and status indicator
- System activity and network link indicator

Power
- Power Input: 12V DC / 24V AC
- Power consumption: Max. 5W
- 802.3af compliant Power-over-Ethernet
- Power output: 12V DC (Max. 350mA)

Operating Environments
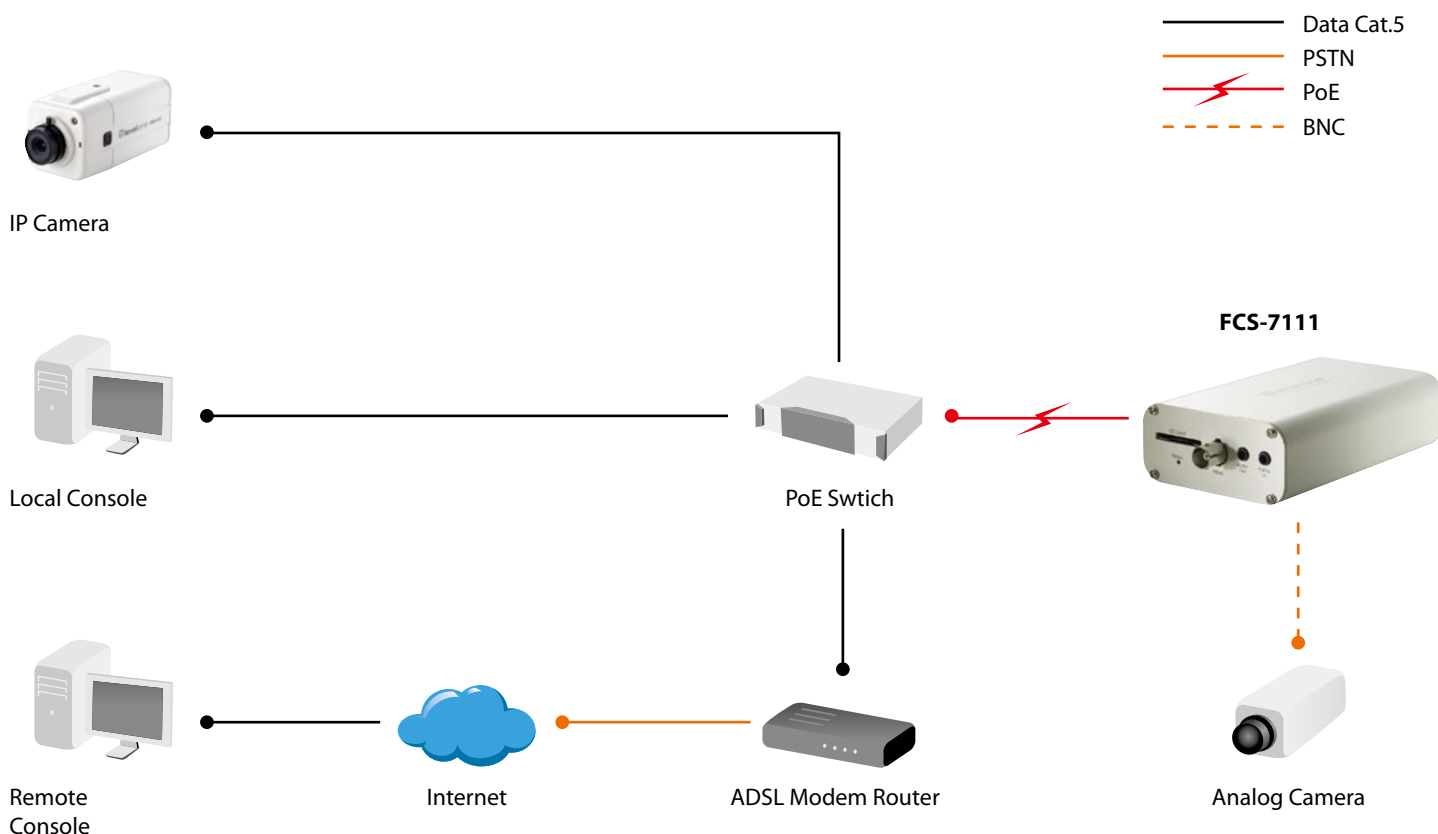- Temperature: 0~55
- Humidity: 20% ~ 80% RH

View System Requirement
- OS: Microsoft Windows 2000/XP/Vista
- Browser: Mozilla Firefox, 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
- 32-CH free bundled software
- Supports firmware upgrade

Product Diagram

Data Cat.5
PSTN
PoE
BNC

IP Camera

Local Console

FCS-7111

PoE Swtich

Remote Console

Internet

ADSL Modem Router

Analog Camera

Order Information   **FCS-7111:** 1-Port H.264 PoE Video Server

Package Content   FCS-7111
Power Adapter
CD Manual/Utility
Quick Installation Guide