



FCS-3091 Version: 1

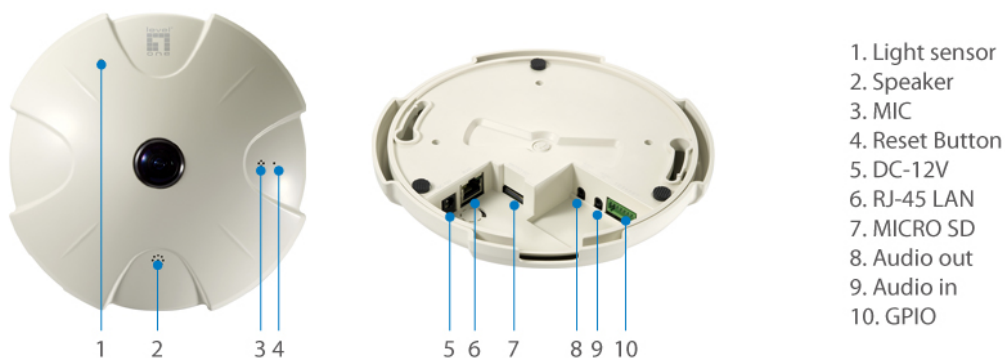
## Panoramic Dome Network Camera, 2-Megapixel, 802.3af PoE, Day & Night

The LevelOne FCS-3091 is a H.264 2-Megapixel Fish-Eye camera that allows you to monitor all angles of a location using just one camera. The FCS-3091 features a fish-eye lens for a 360° panoramic wide angle view without blind spot.

The panoramic coverage ability enables a cost-effective deployment, as less cameras need to be installed and with easy maintenance. It is a perfect solution for stores, schools, offices and lobby applications. The FCS-3091 hardware enables users up to 5 video layouts for ceiling mount, additional wall mount and table view applications.

The e-PTZ function without moving parts performs as a mechanical PTZ camera without Pan/Tilt to reduce costs. FCS-3091 provides built-in ICR (removable IR-cut filter) for day/night surveillance, 802.3af PoE, 2-way audio, built-in microphone and speaker, DI/DO alarm and Micro SD card for local storage.

Without installing any software, users can access live view and utilize functions such as motion detection and alert notification through the Web interface using an IE browser.



1. Light sensor
2. Speaker
3. MIC
4. Reset Button
5. DC-12V
6. RJ-45 LAN
7. MICRO SD
8. Audio out
9. Audio in
10. GPIO

### Key Features

- 2-Megapixel (1600 x 1200) high-definition resolution
- Offers various 360°/180° video modes for panoramic wide-angle surveillance
- IEEE 802.3af PoE compliant to simplify deployment and installation
- Built-in microphone and speaker for 2-way audio communication
- ePTZ function for digitally move and enlarge monitoring area
- Supports motion detection and event notification via e-mail or FTP



- Built-in Micro SD/SDHC card slot for local storage
- Removable IR-cut filter for day and night surveillance
- Compression: H.264/MJPEG
- Dual power support: 12VDC/PoE (IEEE 802.3af)
- Free 64-channel monitoring software included (supports iCamSecure App)

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## Highlight

### Free bundled 64-channel Management Software

We aim to offer you the most versatile and comprehensive surveillance solutions. Our free IP CamSecure software coming allows you to monitor up to 64 IP cameras simultaneously on one screen to enhance scalability. For added convenience and flexibility, the software includes various advanced features such as scheduling recording, event alert, and heaps more. In addition, simply install our free iCamSecure App to your smartphone and connect to the PC with IP CamSecure software installed, you will easily turn your iPhone/Android smartphone into a portable surveillance system for real-time monitoring and snapshot.

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## Works With



### **FSW-0503**

5-Port Fast Ethernet PoE Switch, 802.3af PoE, 4 PoE Outputs, 61.6W

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## Specifications

### System Specifications

#### Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet

IEEE 802.3u 100-BASE-TX, Fast Ethernet

IEEE 802.3af Power over Ethernet (PoE)

HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, SMTP, FTP, DHCP, DDNS, NTP, DNS, ARP, RTSP, RTP, Bonjour

#### Image Sensor:

2-Megapixel 1/3.2" Progressive Scan CMOS

#### Connectors and Cabling:

1 x RJ-45 10/100 Mbps PoE port

1 x 3.5mm line out

1 x 3.5mm mic/line in

1 x DC Power Jack

I/O terminal block (DI/DO)

#### Modularity:

1 x MicroSDHC card slot

#### Button:

Reset Button

#### Indicator:

Power, Link

#### Lens:

Fish-eye lens, f=1.25mm, F2.0

#### IR Cut Filter:

Removable infrared-cut filter for day & night function

**Shutter Time:**

2 ~ 1/40,000 sec.

**Angle of View:**

180°

**Pan/Tilt/Zoom:**

Digital Pan/Tilt  
10x digital zoom

**Video Compression:**

H.264 / MJPEG

**Resolution:**

2M (1600x1200)

**Video Format:**

AVI

**Audio Compression:**

G.711 / AAC

**Power:**

Power Consumption: 5W  
Power Input: DC12V 2A / 802.3af PoE

## Features

**General:**

Backup: MicroSDHC card slot for local storage

**Security:**

Alarm and Notification: Alarm: Motion Detection; DI/DO  
Notification: HTTP, FTP, SMTP  
Access Control: Multi-level user access with password protection  
HTTPS encrypted data transmission

**Management:**

Diagnosis: User access log

**Video:**

Image Setting: - Adjustable image size, quality and bit rate  
- Configurable brightness, sharpness, contrast, saturation, white balance and exposure  
- AGC/AWB/AES  
- Back Light Compensation (BLC)  
- Time Stamp and Text Caption Overlay  
Image Layout: - Video layout: Source image, broad view, double view, triple view, quad view  
- Mount Mode: Ceiling mount, wall mount, table mount  
Streaming: Up to 3 video streams  
Motion Detection: 10 Detection Zones

**Audio:**

Streaming: 2-way audio  
Input/Output: Built-in microphone/speaker  
Mic/line input, line output

## Performance

**Number of Clients:**

2 clients when throughput is 6Mbps  
5 clients when throughput is 2Mbps  
(Max. Throughput: 12Mbps)



**Data Transfer Rate:**

10/100Mbps

**Storage Capacity:**

SD/MicroSD memory card of up to 16GB

**Frame Rate:**

15 fps at all resolutions

**Minimum illumination:**

Color: 1.5 lux at F2.0

## Environment

**Temperature (°C):**

Operating: 0°C ~ 50°C

**Humidity (Non-condensing):**

Operating: 20% ~ 80%

## Physical Specifications

**Dimensions (W x D x H mm):**

180 x 180x 55 mm

**Weight (g):**

380 g

## Others

**Approval and Compliance:**

CE, FCC

**Deployment:**

Ceiling Mount

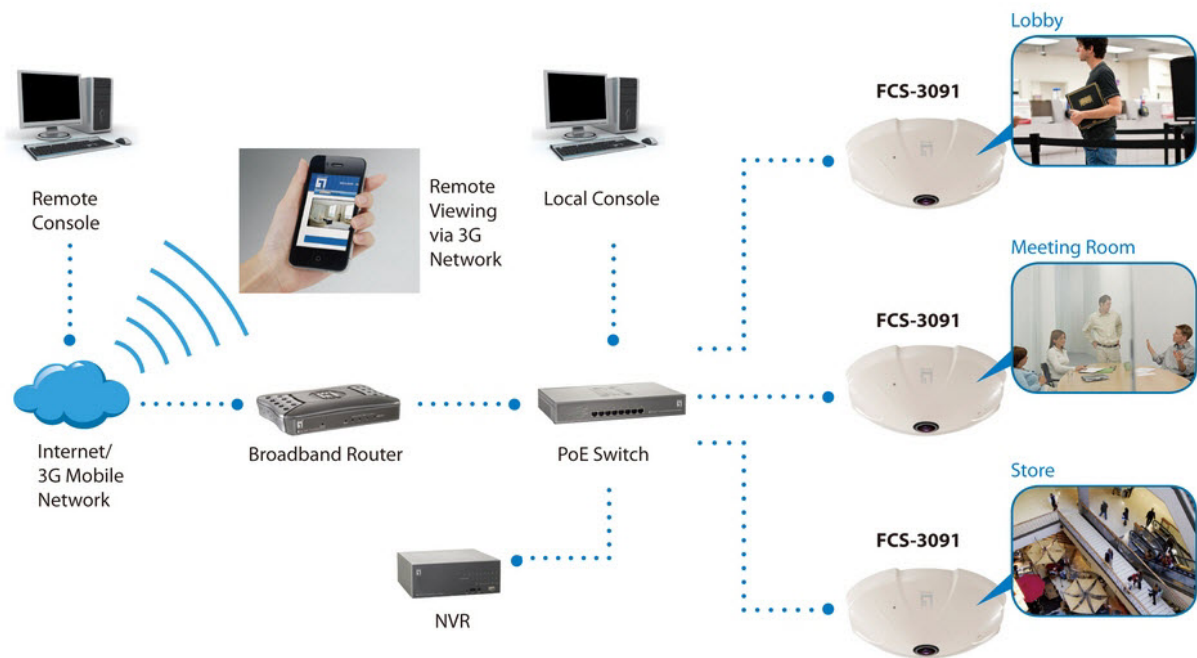
**Operation Systems:**

Microsoft Windows 7/Vista/XP

**Viewing Systems:**

Browser: Internet Explorer 6.x or above

## Diagram



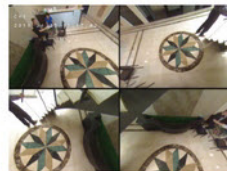
### Ceiling Mode



360° Source image



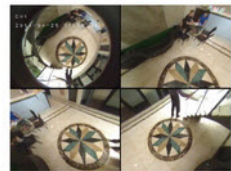
180° double board view



Quad view



180° board view with 2 PTZ



360° source view with 3PTZ

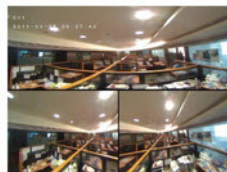


180° board view

### Wall Mode



Quad View

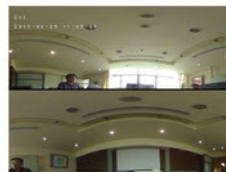


180° board view with 2 PTZ

### Table Mode



360° Table view



180° double table broad view

## Order Information

FCS-3091

## Package Contents

- FCS-3091
- Power Adapter
- RJ45 Network Cable
- Bracket
- Quick Installation Guide
- Resource CD (User Manual, Utility, 64-CH Monitoring Software)



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