



## 2-Megapixel Fish-Eye PoE Dome Network Camera



FCS-3091

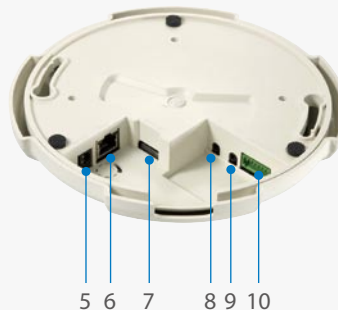
H/W Version: 1

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

- 1/3" Progressive CMOS 2-Megapixel, 1600x1200
- Supports H.264/MJPEG video compression
- 360° Fish-Eye panoramic wide angle view
- 5 different video mode including digital PTZ function
- High performance video decoder to decrease image distortion
- Motion Detection
- Removable IR-cut filter for day/night viewing
- Micro SD/SDHC card slot for local storage
- Dual power support: 12V DC/PoE(802.3af)
- 2-Way audio with built-in microphone and speaker
- Free 64-CH Monitoring Software (supports iCamSecure Apple App and iOS Safari)

### Works Well With



**NVR-0104**  
4-CH Video Recorder



**FSW-0503**  
4 FE PoE + 1FE Switch

## Technical Specification

### Camera

#### Image Sensor

2-Megapixel Progressive 1/3"CMOS  
Sensor Resolution: 1600(H) x 1200(V)

#### Lens

Fish-Eye Lens  
Focal Length: F2.0 /f = 1.25mm  
FOV=185°(D/H/V)  
IR, MegaPixel

#### Day and night

Automatic removable infrared-cut filter

#### Minimum illumination

1.5 Lux / F2.0

#### Electronic shutter speed

2~1/40000 sec.

#### Rate Control

CBR (Constant Bit Rate) / VBR (Variable Bit Rate)

### Video

#### Video compression

H.264 & MJPEG

#### Resolutions and Frame rate

1600x1200 @ 15fps  
800x600 @ 15fps  
640\*480 @ 15fps

#### Image Layout

Video layout: Source image, broad view, double broad view, triple view, quad view,  
Application Mode: Ceiling mount, Wall mount and Table mount.

#### Image settings

Image distortion correction, Brightness, Saturation, Sharpness, Exposure, White balance control

#### Picture

JPEG

#### Video Record

AVI format

### Audio

#### Audio In/Out

External Audio in/Out

#### Audio Streaming

Two-Way

#### compression

G.711

#### MIC / Speaker

buildin MIC & Speaker

### Pan/Tilt/Zoom

#### Digital Zoom

10x

#### ePTZ

Digital Pan/Tilt

### Network

#### Ethernet

10BASE-T / 100BASE-TX (RJ-45)

#### protocols

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

#### Number of client

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

### Security

Password protection, https encryption, user access log

### Alarm and Event Management

#### Motion Detection

up to 10 detection area

#### E-Mail Alert

Up to 10 E-mail address

#### FTP Uploading

Up to 10 FTP servers address and login settings

#### HTTP Notification

Up to 10 HTTP notification for instant notification

#### DI/DO

4 D/I and 1 D/O for external sensor and alarm Event notification

### General

#### Power & Consumption

12V DC, 2A  
Power consumption: Max. 5W

#### Interface & Buttons

RJ-45 10BASE-T/100BASE-TX  
3.5 mm Speaker  
3.5mm MIC  
DC Power jack  
General I/O Terminal Block(DI/DO)  
Micro SD/SDHC slot  
Resrt Button

#### Local Storage

Build-in Micro SD/SDHC clot

#### Operating conditions

Operating Temperature: 0°C ~ 50°C  
Operating Humidity: 20% ~ 80%

#### Protocols

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

#### Approvals

CE, FCC, RoHS Compliant

#### Dimension

180 x 55 mm

#### Weight

380g

### Bundle Software

Free 64-CH Monitoring Software (Supports iCamSecure Apple App and iOS Safari)

### Viewing System Requirements

#### Operating system

Microsoft Windows 2000/XP/Vista/7

#### Web borwser

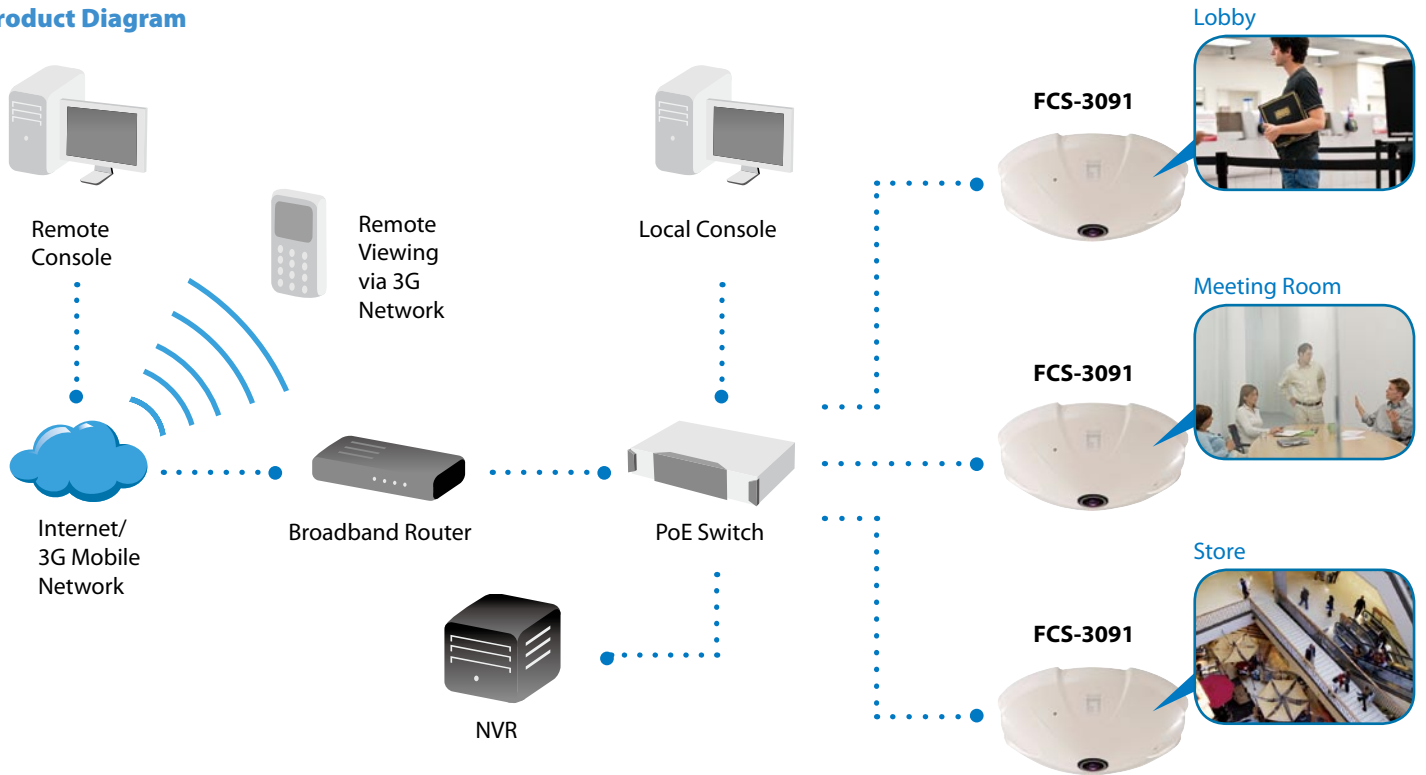
IE 7.0 above

### Certification

#### Certification

CE, FCC

## Product 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

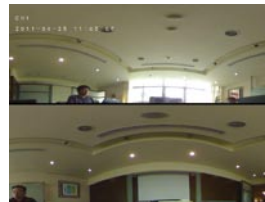


180° board view with 2 PTZ

## Table Mode



360° Table view



180° double table broad view

## Order Information

**FCS-3091:** 2-Megapixel Fish-Eye PoE Dome Network Camera

## Package Content

FCS-3091, Power Adapter, RJ45 Ethernet LAN Cable, Camera Bracket, Quick Installation Guide  
CD Manual / Utility

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