



FCS-3097 Version: 1

## Fixed Dome IP Network Camera, 5-Megapixel, H.265/264, 4.3X Optical Zoom, 802.3af PoE, IR LEDs, two-way audio, Indoor/Outdoor, Vandalproof

The LevelOne FCS-3097 Fixed Dome Outdoor Camera offers a highly reliable, cost-effective outdoor IP surveillance solution in a low-profile dome mounted casing, which is rated at IP67 and able to withstand outdoor operating conditions such as rain, snow, extreme heat, dust and humidity. The FCS-3097 offers 5-Megapixel resolution, and with 802.3af standard PoE, can use a single Cat.5 cable to run both power and data, making deployments easy and flexible. The dome mounting prevents malicious tampering with the camera, making it a secure and smart choice for all outdoor installations.

### Key Features

- 5-Megapixel high-definition resolution
- Video compression: H.264/H.265
- Supports 4.3X optical zoom
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Vandal-proof IK10-rated housing
- Weatherproof IP67-rated housing
- Built-in Micro SDHC/SDXC card slot for local storage
- Built-in infrared LEDs for night viewing up to 30m

### Specifications

#### System Specifications

##### Standards & Protocols:

TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, IPv4

##### Image Sensor:

1/2.9" Progressive Scan CMOS

##### Lens:

2.8~12mm motorized VF lens, F1.4

##### Port:

1 x RJ-45 10/100/1000 Mbps PoE port

Power Connector

Audio:In/Out

I/O terminal block (1 DI/1 DO)

1Vp-p composite output (75 Ω/BNC)

1 x MicroSDHC/ MicroSDXC card slot

**Button/Knob:**

Reset Button

**Indicator:**

Power

**IR Cut Filter:**

Removable infrared-cut filter for day & night function

**IR LED:**

IR LEDs for illumination up to 30m

**Shutter Time:**

1/3 ~ 1/100,000 sec

**Angle of View:**

Horizontal field of view: 88° to 29°

Vertical field of view: 47.5° to 16.5°

Diagonal field of view: 103° to 33°

**Pan/Tilt/Zoom:**

4.3X Optical Zoom

**Video Compression:**

H.265, H.264

**Resolution:**

50Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720)

60Hz: 20 fps (2944 × 1656), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)

**Video Format:**

AVI

**Audio Compression:**

G722.1/G711ulaw/G711alaw/G726/MP2L2

**Power Input:**

12 VDC, 0.8A, max. 10W

PoE (802.3at, 37V to 57V), 0.3A to 0.1A, max. 11.5W

**Power Consumption:**

10-11.5W

**Data Transfer Rate:**

32 Kbps to 16 Mbps

## Wireless

**Data Transfer Rate:**

Video Bit Rate: 32 Kbps to 16 Mbps

Audio Bit Rate: 32 to 128kbps

## Features

**General:**

rotate mode. Brightness, contrast, saturation, and sharpness are adjustable via web browser. Motion Detection, Wide Dynamic Range (WDR) 120 dB

**PoE:**

PoE(802.3af, class 3)

**Security:**

One-key Reset, Anti-Flicker, Heartbeat, Mirror, Password Protection, Privacy Mask, Watermark, IP Address Filter

## Management:

Behavior Analysis: Line crossing detection, intrusion detection, unattended baggage detection, object removal detection

Line Crossing Detection: Cross a pre-defined virtual line, up to 1 pre-defined virtual lines supported

Intrusion Detection: Enter and loiter in a pre-defined virtual region, up to 1 pre-defined virtual regions supported

Object Removal Detection: Objects removed from the pre-defined region, such as the exhibits on display.

Unattended Baggage Detection: Objects left over in the pre-defined region such as the baggage, purse, dangerous materials

Face Detection: Human face appears in the image can be detected and trigger linkage method.

## Video:

Support 1 fixed region for mainstream and sub stream separately

## Audio:

1 audio input (line in), 1 audio output

## Performance

### Number of Clients:

32

### Storage Capacity:

Built-in microSD/SDHC/SDXC slot, up to 128 GB

### Frame Rate (fps):

50Hz: 20 fps (2560 × 1656), 25 fps 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)

60Hz: 20 fps (2560 × 1656), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)

### Minimum illumination:

Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR

Color: 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR

## Environment

### Temperature (°C):

-30 °C to +60 °C (-22 °F to +140 °F)

### Humidity (Non-condensing):

Humidity 95% or less

## Physical Specifications

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

153.4 × 133.1 mm (6.04" × 5.24")

### Weight (g):

1287

### Color:

White

## Approval and Compliance

### EMI/EMS:

CF/FCC/UL

### Environmental Test:

IP67, IK10

### Others:

ONVIF

Manufactured in ISO-9001 and ISO-14001 certified factory



## Others

### Viewing Systems:

IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+

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## Order Information

FCS-3097

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## Package Contents

FCS-3097

Resource CD (User Manual, Utility, 64-CH Monitoring Software)

Screw Kit

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