level one®

2-Megapixel Day/Night PoE Dome Network Camera

FCS-3081

H/W Version: 3

Product Overview

The LevelOne FCS-3081 is the perfect solution for day/night surveillance projects such as school campuses, railways stations, and parking lot. It features a 2-megapixel Dome network camera with IP66 weatherproof outdoor housing and infrared LEDs (30m). With the assistance of 3DNR (3-Dimension Noise Reduction) and WDR (Wide Dynamic Range), the network camera offers crystal clear image each and every time. It is also equipped with a BNC connector for camera to be connected directly to an analog monitor, IR-cut filter, a built-in Micro SD/SDHC card, 10 motion detection zones and also offers a flexible installation with its triple power support (12 VDC/24 VAC/PoE) and 3-axis mechanical design. The FCS-3081 is indisputably the top choice for reliable and high performance surveillance.

Exceptional Image Quality

With built-in 3DNR (3–Dimension Noise Reduction) and WDR (Wide Dynamic Range) technology, the camera is able to filter the intense backlight surrounding a subject and remove noises from video signal. The result is that an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.

64-channel Management Software

We aim to offer you the most versatile and comprehensive surveillance solutions. Our IP CamSecure software coming with the camera allows you to monitor up to 64 megapixel 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.

Key Features

- 2-Megapixel (1920 x 1080) high-definition resolution
- Built-in infrared LEDs for night viewing up to 30m
- Vandalproof and weatherproof IP66-rated with wide operating temperature (-35°C to 50°C) for harsh environments
- Features WDR (Wide Dynamic Range) to enhance visibility under extremely bright or dark environments
- Features 3DNR (3-Dimension Noise Reduction) to produce extremely clear picture quality even under low light condition
- 3-axis mechanical design for ceiling/wall mount installation
- Built-in Micro SD/SDHC card slot for local storage
- Digital input/output (1DI/1DO) for sensor and alarm
- BNC connector for analog video output
- Triple power support: 12VDC/24VAC/PoE (IEEE 802.3af)
- Free 64-channel monitoring software included (supports iCamSecure App)

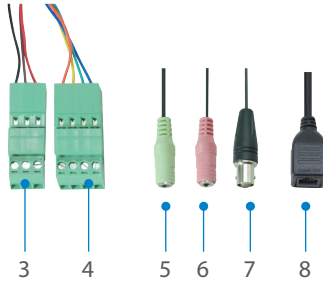## Relate Products

NVR-0208
8-CH Network Video Recorder

FSW-0503
4 FE PoE + 1FE Switch

Technical Specification

Camera

Image Sensor
2-Megapixel 1/2.7" Progressive Scan CMOS

Effective Pixels
1920x1080

Lens
Board lens, vari-focal, f=3 - 9 mm, F1.2

Angle of View
103.5° (W) ~ 34.3° (T)

Minimum Illumination
Color: 0.2 lux at F1.2
B/W: 0.02 lux at F1.2

IR Cut Filter
Removable infrared-cut filter for day & night function

Shutter Time
1 to 1/10000 sec.

Pan/Tilt/Zoom
8x digital zoom

IR LED
24 IR LEDs for illumination up to 30m

Video

Video Compression
H.264/MJPEG

Resolutions
Full HD 1080p/SXGA/HD 720p/XGA/SVGA/D1/VGA/CIF

Frame Rate
Up to 15 fps at 1920x1080
Up to 30 fps at 1280x1024

Video Streaming
Multiple simultaneous streams, up to 4 streams

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)
Wide Dynamic Range (WDR)
3D Noise Reduction (3DNR)
Flip & Mirror
Portrait Mode
Privacy Mask
Time Stamp and Text Caption Overlay

Audio

Audio Streaming
Two-way

Audio Compression
G.711/G.726

Audio Input/Output
Mic/line input, line output

Network

Security
HTTPS, IP Filter, IEEE 802.1X

Supported protocols
IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
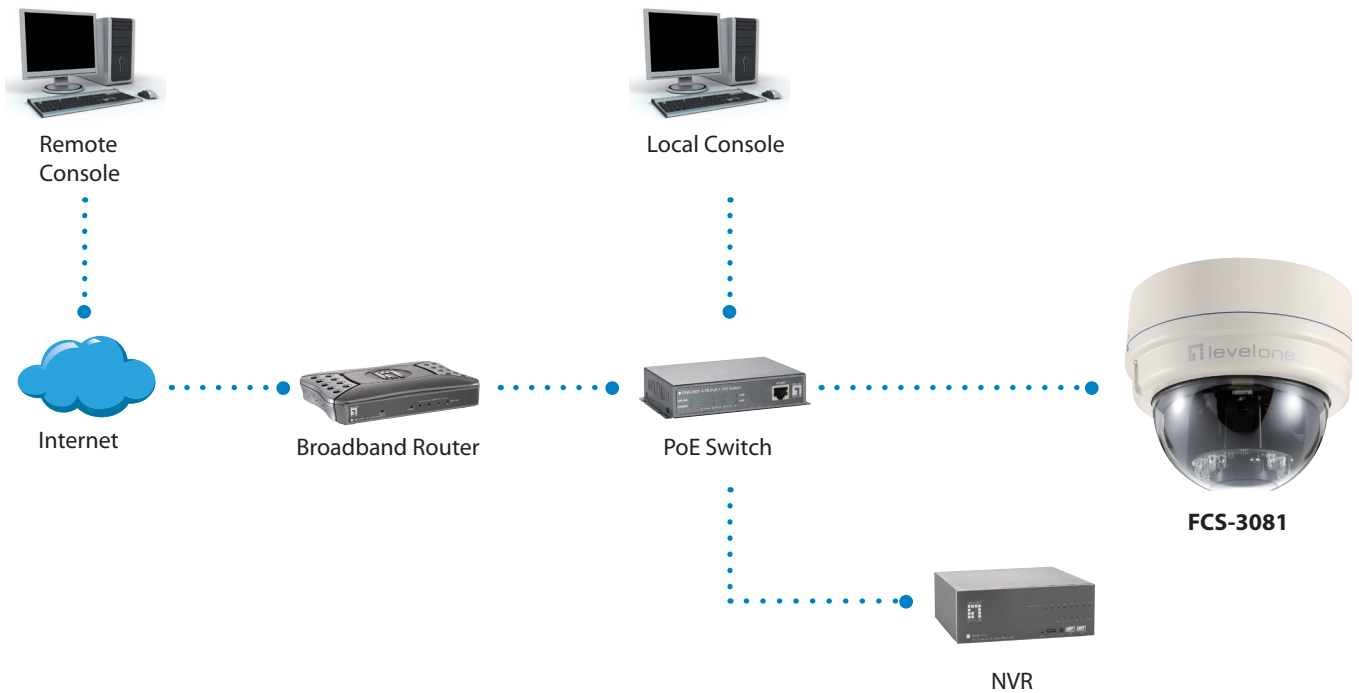
Number of clients
20

Alarm and Event Management

Motion Detection
10 Detection Areas

Events
Tampering Detection
Network Failure Detection

Notification
HTTP, FTP, SMTP

DI/DO
One D/I and one D/O for external sensor and alarm

General

Local storage
MicroSD/SDHC card slot

Power
DC12V/AC24V/PoE

Power Consumption
up to 9W without heater & fan (DC12V/PoE)
up to 25W with heater & fan (AC24V)

Connectors
RJ-45 10BASE-T/100BASE-TX
3.5mm line out
3.5mm mic/line in
I/O terminal block (DI/DO)
Power terminal block
BNC analog video output

LED Indicator
Link/Act

Button
Reset Button

Operating Temperature
-10°C ~ 50°C, powered by DC12V/PoE
-35°C ~ 50°C with heater & fan, powered by AC24V

Operating Humidity
10% to 90%, non-condensing

Housing
Weather-proof IP66 rated housing
Metal base and polycarbonate transparent cover

Dimensions
ø151 x 130 mm

Weight
1350 g

Approvals
CE, FCC

Viewing System Requirements
OS: Microsoft Windows 7/Vista/XP
Browser: Internet Explorer 6.x or above, Firefox, Chrome, Safari
Cell phone: 3GPP player
Real Player: 10.5 or above
Quick Time 6.5 or above

Bundled Software
Bundled with 64-Channel LevelOne IP CamSecure surveillance management software

Front View and Rear View

1. Lens
2. IR LEDs
3. Power
4. Alarm I/O
5. Audio Out
6. Audio In
7. BNC Connector
8. RJ-45 LAN

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Product Diagram

Remote Console

Local Console

Internet

Broadband Router
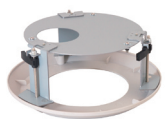
PoE Switch

FCS-3081

NVR

Order Information

FCS-3081: 2-Megapixel Day/Night PoE Dome Network Camera

Package Content

FCS-3081, Power Terminal Block, Security Torx, Screw Set, Quick Installation Guide, CD Manual / Utility

Optional Accessories

CAS-3100
T-Bar Ceiling Mount

CAS-3101
interior corner mount

CAS-3000
outdoor housing

CAS-3241
Straight Tube 25cm

CAS-3242
Straight Tube 50cm

CAS-3201
Mini Pendant

CAS-3221
Corner Plate Mini

CAS-3261
Pole Thin Direct Mounting