



# Day/Night Speed Dome Pro Network Camera



FCS-4010  
FCS-4110  
FCS-4020

**H/W Version: 1.0.0.c**

### Product Overview

The LevelOne FCS-4XX0 Day/Night Pan/Tilt/Zoom IP Speed Dome Camera is an intelligent high speed dome camera equipped with an auto focus DSP, adjustable pan/tilt/ zoom motor, and a digital decoder.

### IR cut-off filter

With the IR filter in place, true color imagery is captured during day time and when light conditions turns poor, the IR filter is automatically removed for clear night time imagery in black and white.

### Intelligent Speed Dome Camera

With Focus/PRM auto matching technology, the FCS-4XX0 enables camera users to monitor and zoom on specific targets without losing the target while panning and zooming.

By utilizing a precise step-motor, the FCS-4XX0 makes for a very stable, smooth pan and tilt and accurate positioning surveillance camera.

### Preset positioning

The FCS-4XX0 supports a 128-preset positioning memory. Users can preset and recall programmed positioning through software commands.

### Free Bundled Software

The free bundled 32-channel software package, IP CamSecure 32 Lite, allows for simultaneous monitoring of IP Cameras. Other features include automatic snapshot, recording of streaming video, motion detection and pre/post event buffer.



FCS-4010/4110/4020

1. General I/O terminal Block
2. Ethernet 10/100 RJ45 Plus
3. Audio Out (Green)
4. Microphone In (Pink)
5. Power cord socket (Black)
6. Earth

### Key Features

- 18/26/36x Optical Zoom
- Supports 360° pan and 90° tilt
- Selectable MPEG4 AVC10/MJPEG compression mode
- Auto-removable IR-cut filter for Day/Night viewing
- Extended I/O for sensor & alarm
- Waterproof IP66 rated for indoor/outdoor deployment (FCS-4010/4110/4020 only)
- Two-way audio
- Free software included (Industry-leading 32-channel IP CamSecure Lite™ software)

### Works Well With



FCS-9464  
IP CamSecure Pro64 S/W



PIS-3100  
PoE Kit for Speed Domes

## Technical Specification

### Network

1 x RJ-45 10/100 Mbps port

### Video

#### Compression Mode

MPEG4 AVC10/MJPEG Multi Streaming

#### Max. Resolution

800 TVL at 25(PAL) and 30(NTSC)

#### Frame Rate

Up to 30/25 frames at 4CIF

Up to 30/25 frames at 2CIF

Up to 30/25 frames at CIF

Up to 30/25 frames at QCIF

#### Still Picture

JPEG

#### Video Record

AVI

### Camera

#### Sensor

1/4" Progressive CCD (800x600)

#### Lens

4.1~74mm/F1.4~3.0 for FCS-4010

3.5~91mm/F1.6~3.8 for FCS-4110

3.4~122.4mm/F1.6~4.5 for FCS-4020

#### View Angle

48° ~2.1° for FCS-4010

54.2° ~2.2° for FCS-4110

57.8° ~1.7° for FCS-4020

#### Minimum Illumination

0.005Lux/F1.4 Color for FCS-4010

0.001Lux/F1.4 B/W for FCS-4010

0.005Lux/F1.6 Color for FCS-4110

0.001Lux/F1.6 B/W for FCS-4110

0.005Lux/F1.6 Color for FCS-4020

0.001Lux/F1.6 B/W for FCS-4020

#### Infrared Facility

Removable IR cut filter

#### Electronic Shutter (Sec)

1 ~ 1/50,000 sec, Manual, Auto

#### AGC/AWB/AES/BLC/EIS

Auto Iris Control, 3D Masking

### Audio

#### Audio In/Out

External microphone input jack

External speaker output jack

#### Audio Codec

G.711/G.726/ADPCM/GSM-AMR

#### S/N Ratio

>53db

### PTZ

Pan 360° continue

Manual Pan Speed .1~360°/Sec

Tilt 0°~90°

Manual Tilt Speed .1~360°/Sec

Preset Speed 400°/Sec

Preset Accuracy ±0.25°

#### Number of preset positions

128

### Optical Zoom

18x for FCS-4010

26x for FCS-4110

36x for FCS-4020

### Hardware & Environment

#### Flash ROM

8MB Flash ROM

#### SDRAM

64MB SDRAM

#### Housing

Indoor/Outdoor use

IP66 water-proof & Vandal proof

#### Digital I/O

4 DI/1 DO with Pre/Post Alarm Buffer >5Sec

#### Power

DC12V/AC24V

#### Temperature

Operating: -20°C ~ 60°C (FCS-4XX0)

Storage: -10°C ~ 60°C (FCS-4XX0)

#### Humidity

Operating: < 95% (Non-Condensing)

### Supported Protocols

IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, ICMP, Bonjour, UPnP, Telnet, DHCP, NTP, DNS, DDNS, and PPPoE

### Software

Bundled with 32-Channel LevelOne IP CamSecure Lite surveillance management software

### Viewing System Requirement

#### OS

Microsoft Windows 2000/XP/Vista

#### Browser

IE 6.x or above, Netscape, Mozilla FireFox

#### 3GPP Player

Real Player 10.5 or above

Quick Time 6.5 or above

### EMI and Safety

FCC, CE, UL, cUL, RoHS, Ctick