

Day/Night P/T/Z IP Speed Dome Camera

Product Overview

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

IR cut-off filter

The FCS-4xxx features an IR cut-off filter that makes it possible to view black and white imagery under low light conditions. With the IR filter in place, true color imagery is captured during day time and when light conditions turn 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-4xxx enables camera users to monitor and zoom on specific targets without losing the target while panning and zooming. The step-motor automatically adjusts to the pan tilt speeds so that targets are more easily found and monitored.

The FCS-4xxx automatically adjusts itself according to the environment to provide best video quality under low and normal light conditions. By utilizing a precise step-motor, the FCS-4xxx makes for a very stable, smooth pan and tilt and accurate positioning surveillance camera.

Preset positioning

The FCS-4xxx further supports a 32 preset positioning memory. Users can preset and recall programmed positioning through software commands. Preset positions can also be classified into group sequencing, making it easier to manage different preset conditions.

A maximum of 4 navigation groups with 8 preset positions are supported with adjustable time lapses of between 1 to 60 seconds between positions.

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.

LevelOne further has available alternative Digital Surveillance Software Packages for professional and advanced use.



FCS-4000/4100/4200
with CAS-4000A



FCS-4300/4400/4500

Key Features

- 1/4" ExView HAD CCD sensor for superior image capture quality in low light conditions
- Maximum resolution up to 704x480 at 30fps (NTCS)
- Supports 18/26/36x Optical and 12x Digital zoom
- Supports 360° pan and 90° tilt, continuous rotation
- Selectable MPEG4/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-4000/4100/4200 only)
- Two-way audio

Technical Specification

Video Specifications

- **Compression Mode**
MJPEG/MPEG4
- **Max. Resolution**
704x480 pixels at 30 fps (NTSC)
704x576 pixels at 25 fps (PAL)
- **Video Resolution**
Up to 30/25 frames at 160x120
Up to 30/25 frames at 320x240
Up to 30/25 frames at 704x480

Camera Specification

- **Sensor**
1/4" Exview HAD CCD
- **Lens**
4.0~72mm/F1.4~3.0 for FCS-4000/4300
3.5~91mm/F1.6~3.8 for FCS-4100/4400
3.4~122.4mm/F1.6~4.5 for FCS-4200/4500
- **Zoom:**
Optical: 18x for FCS-4000/4300
26x for FCS-4100/4400
36x for FCS-4200/4500
Digital: 12x
- **Minimum Illumination**
0.7Lux/F1.4 Color for FCS-4000/4300
0.01Lux/F1.4 Monochrome for FCS-4000/4300
2.0Lux/F1.6 Color for FCS-4100/4400
0.7Lux/F1.6 Monochrome for FCS-4100/4400
1.4Lux/F1.6 Color for FCS-4200/4500
0.01Lux/F1.6 Monochrome for FCS-4200/4500
- **Shutter**
1/1 ~ 1/10,000 sec

Audio Specification

- **Audio Codec**
G.711 PCM 64 kbits

Viewing System Requirement

- **OS**
Microsoft Windows 2000 / XP
- **Browser**
IE 5.5 or above

Networking

- **Ports**
1 x RJ-45 10/100 Mbps port

Hardware & Environment

- **RAM**
32MB SDRAM
- **ROM**
8MB Flash ROM
- **Power**
DC 12V, 4A
- **Temperature**
Operating: -20°C ~ 50°C (FCS-4000/4100/4200)
Operating: 0°C ~ 50°C (FCS-4300/4400/4500)
- **Humidity**
Operating: ≤ 95% (Non-Condensing)
- **Dimension**
FCS-4000/4100/4200 + CAS-4000A
390mm(L) * 220mm(W) * 336mm(H)

FCS-4000/4100/4200 + CAS-4000B
220mm(L) * 220mm(W) * 550mm(H)

FCS-4000/4100/4200 + CAS-4000C
630mm(L) * 410mm(W) * 336mm(H)

FCS-4000/4100/4200 + CAS-4000D
460mm(L) * 220mm(W) * 336mm(H)

FCS-4300/4400/4500
595mm(L) * 275mm(W) * 245mm(H)
- **Weight**
FCS-4000/4100/4200 + CAS-4000A
8.8kg

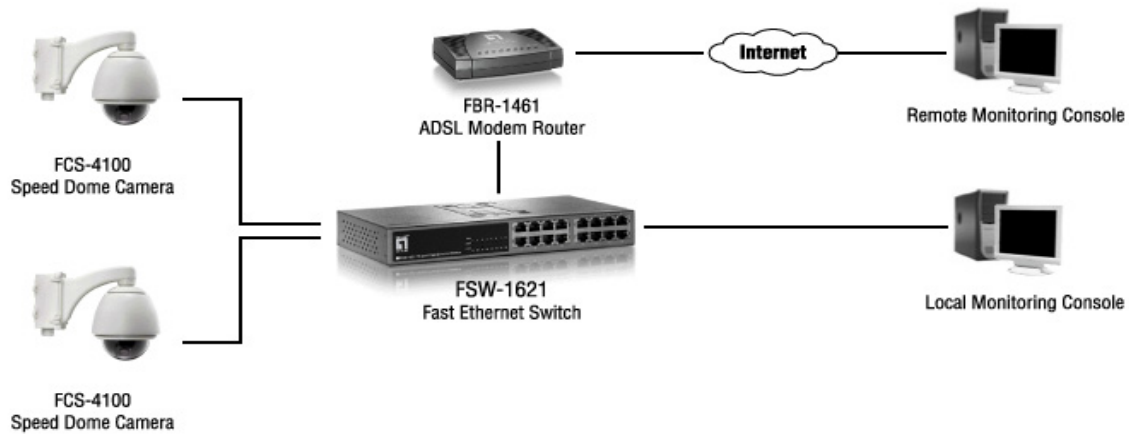
FCS-4000/4100/4200 + CAS-4000B
7.5kg

FCS-4000/4100/4200 + CAS-4000C
10.2kg

FCS-4000/4100/4200 + CAS-4000D
7.95kg

FCS-4300/4400/4500
6.5kg
- **EMI and Safety**
FCC, CE

Product Diagram



Accessories

Wall Mounting Kit Options for FCS-4000/4100/4200

- CAS-4000A: Wall Mount Kit
- CAS-4000B: Ceiling Mount Kit
- CAS-4000C: Corner Mount Kit
- CAS-4000D: Pole Mount Kit

Power Box Option for FCS-4300/4400/4500

CAS-4000E Power Box



CAS-4000E



CAS-4000B



CAS-4000C



CAS-4000D

LevelOne Digital Surveillance Software

- FCS-9104/08/16/32/64 IP CamSecure Pro 4/8/16/32/64
 FCS-9204/08/16/32/64 IP CamSecure Pro 4/8/16/32/64 Plus
 FCS-9404/08/16/25/36 IP CamSecure Pro 4/8/16/32/64 Mega

Ordering Information

- FCS-4000: Day/Night P/T/Z IP Speed Dome Camera (18x optical zoom)
- FCS-4100: Day/Night P/T/Z IP Speed Dome Camera (26x optical zoom)
- FCS-4200: Day/Night P/T/Z IP Speed Dome Camera (36x optical zoom)
- FCS-4300: Day/Night P/T/Z IP Speed Dome Camera w/ indoor ceiling mount (18x optical zoom)
- FCS-4400: Day/Night P/T/Z IP Speed Dome Camera w/ indoor ceiling mount (26x optical zoom)
- FCS-4500: Day/Night P/T/Z IP Speed Dome Camera w/ indoor ceiling mount (36x optical zoom)