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LevelOne IP Surveillance Solutions

Ideal for home, office and professional users.
Providing high-quality security solutions to
protect the things that are important.



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Growth market IP network cameras

According to ABI research, the worldwide video surveillance market is forecast to expand from \$13.5 billion in 2006 to a remarkable \$46 billion in 2013. Research shows a clear trend in the surveillance industry. System integrators are moving away from analog systems to take advantage of the many benefits offered by new IP surveillance networks.



Why LevelOne for IP Surveillance?

LevelOne has a long standing history of being a leading vendor of innovative network solutions. We've taken this same approach to the emerging digital surveillance products.

The LevelOne "total surveillance solution" includes a selection of network cameras, a comprehensive range of professional surveillance management software packages, Network Attached Storage (NAS) devices for storing information, as well as the necessary networking components like switches, PoE devices and accessories, which allow users to build an advanced surveillance network with guaranteed compatibility and technical support.

If you are searching for a high-quality surveillance monitoring solution, LevelOne offers a comprehensive range of networking products to satisfy all your technological needs.





Easy access with your smart phone from anywhere

Plug-and-Play! No Configuration needed for Remote Monitoring

Plug-and-Play

Simply connect your camera to the Internet through its own web address using computers or iPhone devices, and you are ready to access your camera from anywhere.

PDA, Smart Phone

Live viewing of LevelOne network cameras with Smart Phone and PDA devices using the free bundled 64-CH IP CamSecure monitoring software.

Dual-Streaming

Automatic frame rate control and different network bandwidth options for multiple user access to the network camera, provides size of image up to 1280 x 800.



Easy access your camera using its own web address



Free 64-CH IP CamSecure Software



FCS-0030
Megapixel PIR
Lighting
Network Camera



WCS-0030
Wireless
Megapixel PIR
Lighting
Network Camera



FCS-3061
Day/Night
Megapixel PoE
Dome Network
Camera



FCS-1121
Megapixel PoE
Network Camera

Future-Proof Security Technology from LevelOne

Security cameras have become omnipresent in many countries. LevelOne's advanced IP surveillance system provides a single environment that combines intelligent video analytics, universal IP connectivity to network cameras, access control devices and burglar alarm systems for day and night usage. LevelOne helps users to attain a higher level of security than ever before - with less cost and less effort. This will make the home, the workplace and the streets safer for ordinary people.



Uncompromising Image Quality

Pure digital image, no image degradation. For instance, one 1.3 Megapixel camera can replace up to six analog cameras in many applications, like banks and petrol stations, and still produce a better recording of faces and registration plates.



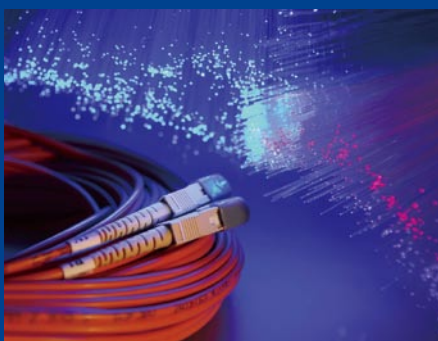
Simple Connectivity

An IP based camera only needs to use one Cat.5 cable, whereas an analogue camera uses Coaxial cable to transfer video, an RS-485 cable to transfer the control signal and another cable for IO In/Out. IP cameras massively reduce the cost of installation, and the remote system access reduces the cost of maintenance and problem fixing.



Distributing

Take snapshots of an intruder or an incident and send it by e-mail to the police, or the appropriate authorities. In addition to this, images can be monitored from one central source, offering great efficiency and a huge cost saving.



Future Proof

IP surveillance is completely scalable, allowing expansion at an incremental cost when required. By integrating it fully with existing network infrastructure over single or multiple sites you can ensure your investment is protected.



Cost Effective

Convergence onto new or existing IP cabling infrastructure lowers the cost of cabling in large installations. Moreover, the Power over Ethernet (PoE) allows one cable to handle both power and data.



Free Bundled Professional Software

All LevelOne network cameras come with free bundled software providing a large range of comprehensive features. Users are able to monitor up to 64 channels simultaneously over the Internet.



Business Surveillance Solutions from LevelOne, Germany

- Remote** Monitor live video and control the entire system anywhere in the world.
- Flexibility** Day/night, indoor/outdoor, P/T/Z, PoE, dome/box type cameras, etc. for a flexible deployment.
- Software** Up to 64 channels live view and playback simultaneously.
- Applications** Shopping malls, car parks, warehouse protection, etc.

The easiest way to build, manage and control

FCS-1151

H.264 2-Megapixel PoE Network Camera



VGA

2-Megapixel



FCS-5030

Network Camera with Infrared LEDs



Infrared LEDs On



FCS-5011

Outdoor WDR PoE Network Camera with Infrared LEDs



WDR On



FCS-4010 / FCS-4020

Day/Night Speed Dome Pro Network Camera (18x/35x optical zoom)



18x zoom



FCS-4010



FCS-94 04/08/16/25/36/64

The CamSecure management software series is able to provide full camera control and support for all LevelOne cameras as well as cameras from other manufacturers. Able to monitor up to 64 channels simultaneously.



With LevelOne, Everything Is On the Safe Side

The best security requires the highest degree of attention and we provide a developed product portfolio to meet these needs. All LevelOne network cameras come with free 64-CH IP CamSecure Surveillance Management Software. And our range is designed to suit a range of requirements, including products such as Megapixel, PoE, indoor/outdoor, day/night, box and dome cameras.

Megapixel Dome Network Cameras

H.264 Compression	MJPEG Compression	1920 x 1080 Full HD	2-way Audio	CMOS Sensor	H.264 Compression	MJPEG MPEG4 Compression	1280 x 800 Megapixel	2-way Audio	CMOS Sensor	H.264 Compression	MJPEG Compression	1920 x 1080 Full HD	2-way Audio	CMOS Sensor
802.3af PoE	16x Digital Zoom	Card Slot	IP66	Day Night	Level1DNS DNS Engine	802.3af PoE	Day Night	4x Digital Zoom	iPhone	802.3af PoE	16x Digital Zoom	Card Slot	IP66	Shockproof
 					  									
														

FCS-3081

Day/Night 2-Megapixel PoE Dome Network Camera

- 1/2.5" Progressive CMOS 2-Megapixel, 1920x1080
- H.264 and MJPEG compression
- Supports dual streams simultaneously
- Removable IR-cut filter for Day/Night viewing
- 3-axis mechanical design for ceiling/wall mount installation
- BNC connector for analog video output
- Built-in 23 pieces Infrared LEDs for night viewing up to 20m
- IP66 weatherproof outdoor housing
- Supports up to 20 viewers simultaneously
- Triple power support: 12V DC/24V AC/PoE (802.3af)
- Max. Power Consumption: 5.5W

FCS-3061

Day/Night Megapixel PoE Dome Network Camera

- 1/4" Progressive CMOS Megapixel, 1280 x 800
- H.264, MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Remote access with Level1DNS™ service
- 3-axis mechanical design for ceiling/wall-mount application
- Built-in Infrared LEDs for night viewing up to 15m
- Removable IR-cut filter for day and night viewing
- Digital Input/Output (1 DI/1 DO) for sensor/alarm
- 802.3af PoE compliant for easy network deployment
- Max. Power Consumption: 8W

FCS-3071

2-Megapixel PoE Dome Network Camera

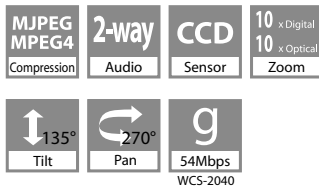
- 1/2.7" Progressive CMOS 2-Megapixel, 1920 x 1080
- H.264 and MJPEG compression
- Supports dual streams simultaneously
- Shockproof for Rolling Stock Applications
- IP66 weatherproof housing and RJ-45 dongle cable
- Supports up to 20 viewers simultaneously
- Micro SD/SDHC card slot for local storage
- 802.3af PoE compliant for easy network deployment
- Single power support: PoE (802.3af)
- Max. power consumption: 3W



Megapixel VS VGA

VGA has a total image size of 640 x 480 = 307,200 pixels. However, the Megapixel sensor provides an image size of up to 1920 x 1080, delivering extremely clear images that some traditional CCTV cameras cannot provide.

P/T/Z Network Camera



FCS-1040 / WCS-2040
Wired/Wireless P/T/Z
Network Camera

- 1/4" CCD, 704 x 480
- Motorised pan/tilt/zoom (10x optical zoom)
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Digital Input/Output (1 DI/1 DO) for sensor/ alarm
- Built-in Mic and internal/ external Mic switch
- Extreme low light sensitivity: 0.05Lux/F1.8
- Supports up to 20 viewers simultaneously
- Optimal synchronization of audio and video
- 802.11b/g wireless connection with WEP & WPA-PSK (WCS-2040)

Dome Network Cameras



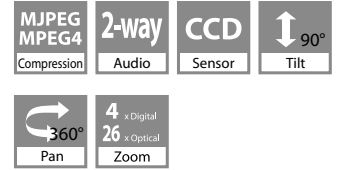
FCS-3021
PoE Dome
Network Camera

- 1/4" Progressive CMOS, 640 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- 3-axis mechanical design for ceiling/wall-mount application
- Digital Input/Output (1 DI/1 DO) for sensor/ alarm
- 3~6mm vari-focal lens F1.2~1.5
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- 802.3af PoE compliant for easy network deployment
- Max. power consumption: 3.6W
*Power adapter not included



FCS-3031 / FCS-3051
PoE PIR Dome
Network Camera

- 1/4" Progressive CMOS, 640 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Built-in PIR sensor for motion detection, sensitivity range up to 5m
- Supports analog output (NTSC/PAL) for installation
- Fixed focal lens, F2.0 (FCS-3031)
- 3.3~12mm vari-focal lens, F1.4~2.9 (FCS-3051)
- Removable IR-cut filter for day and night viewing (FCS-3051)
- Built-in 5m Infrared LED for day and night viewing (FCS-3051)
- 802.3af PoE compliant for easy network deployment
- Max. power consumption: 10W



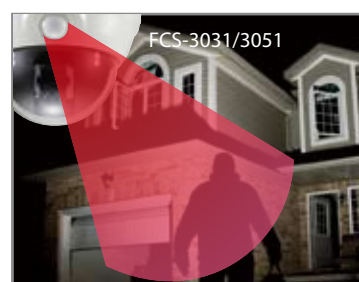
FCS-4400
P/T/Z Speed Dome
Network Camera
(26x Optical Zoom)

- 1/4" Exview HAD CCD, 704 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Supports 360° pan and 90° tilt, continuous rotation
- Supports 26x optical and 12x digital zoom
- Removable IR-cut filter for day and night viewing
- Supports a 32-preset positioning memory
- Minimum illumination of 0.05 Lux enables to monitor and record video in near total darkness
- Digital Input/Output (4 DI/1 DO) for sensor/ alarm
- Provides BNC video output for CCTV system

Optional outdoor housing:



DOH-1000/DOH-1100
Domed Outdoor Housing



Passive InfraRed (PIR) Sensor

When people pass by, or in an emergency situation, the built-in PIR motion detection sensor will "detect" and start recording automatically. It is able to detect movement up to 5m away.

Megapixel Box Type Network Cameras



FCS-1121 Megapixel PoE Network Camera

- 1/4" Progressive CMOS Megapixel, 1280 x 800
- H.264, MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Digital Input/Output (1 DI/1 DO) for sensor/alarm
- Removable IR-cut filter for day and night viewing
- Built-in SD/SDHC memory card slot for local storage
- Remote access with Level1DNS™ service
- RS-485 interface for scanner or pan/tilt control
- Triple power support: 12V DC/24V AC/PoE (802.3af)
- Max power consumption: 8W
- Optional outdoor housing: BOH-1100/BOH-1200/BOH-1300 (refer to page 12)

FCS-1131 2-Megapixel PoE Network Camera

- 1/2.7" Progressive CMOS 2-Megapixel, 1920 x 1080
- H.264 and MJPEG compression
- Supports dual streams simultaneously
- Removable IR-cut filter for day and night viewing
- Local storage with Micro SD/SDHC slot
- BNC connector for analog video output
- Motion detection and privacy mask
- 802.3af PoE compliant for easy network deployment
- Max. power consumption: 4W
- Optional outdoor housing: BOH-1100/BOH-1200 (refer to page 12)

FCS-1141 1.3-Megapixel PoE Network Camera

- 1/3" Sony Progressive CCD 1.3-Megapixel, 1280 x 960
- H.264, MPEG4, and MJPEG compression
- HD 720p real-time at dual streaming
- Integrated Wide Dynamic Range (WDR) function
- 2D/3D noise reduction
- Motion detection and privacy mask
- Removable IR-cut filter for day and night viewing
- BNC connector for analog video output
- Local storage with Micro SD/SDHC slot
- Triple power support: 12V DC/24V AC/PoE (802.3af)
- Max. power consumption: 6W
- Optional outdoor housing: BOH-1100/BOH-1200 (refer to page 12)

FCS-1151 2-Megapixel PoE Network Camera

- 1/3.2" Progressive CMOS 2-Megapixel, 1600 x 1200
- H.264, MPEG4 and MJPEG compression
- Multiple streams simultaneously
- Removable IR-cut filter for day and night viewing
- Video cropping for bandwidth saving
- ePTZ for data efficiency
- Tamper detection for unauthorized changes
- Built-in SD/SDHC card slot for local storage
- Supports analog output (NTSC/PAL) for installation
- RS-485 interface for scanner or pan/tilt control
- Triple power support: 12V DC/24V AC/PoE (802.3af)
- Max. power consumption: 8W
- Optional outdoor housing: BOH-1100/BOH-1200 (refer to page 12)



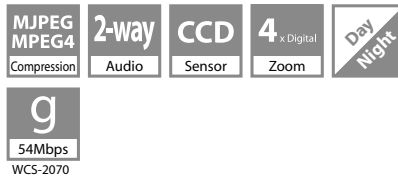
Megapixel VS VGA

Box Type Network Cameras



FCS-1091 / WCS-1090 PoE / Wireless Network Camera

- 1/4" Sony Progressive CCD, 640 x 480
- MPEG4 and MJPEG compression
- Supports triple streams simultaneously
- Removable IR-cut filter for day and night viewing
- Motion detection and event notification via E-mail
- 2-way audio with built-in microphone
- Digital Input/Output (2 DI/2 DO) for sensor/alarm
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- 802.3af PoE compliant for easy network deployment (FCS-1091)
*Power adapter not included
- Max. power consumption: 8W (FCS-1091)
- 802.11b/g wireless connection with WEP & WPA-PSK (WCS-1090)
- Optional outdoor housing for FCS-1091: BOH-1100/BOH-1200 (refer to page 12)



FCS-1070 / WCS-2070 Wired/Wireless Day/Night Network Camera

- 1/3" CCD, 704 x 480
- MPEG4 and MJPEG compression
- Day and night application in low light conditions with built-in Infrared LEDs (10m)
- Optimal synchronization of audio and video
- Digital Input/Output (1 DI/1 DO) for sensor/alarm
- Provides BNC video output for CCTV system
- 802.11b/g wireless connection with WEP and WPA-PSK (WCS-2070)



FCS-1101 PoE Network Camera

- 1/3" CCD, 704 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Features 10x digital zoom
- Up to 30 fps in full D1 resolution
- Features motion detection and event notification via E-mail
- UPnP for fast and easy installation
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- 802.3af PoE compliant for easy network deployment
- Max. power consumption: 6W
- Optional outdoor housing: BOH-1100/BOH-1300 (refer to page 12)
*Power adapter not included



How does an indoor camera become an outdoor camera?

LevelOne provides strong and durable outdoor housings for the camera models FCS-1091/FCS-1101/FCS-1121/FCS-1131/FCS-1141/FCS-1151. Flexible and easy to turn an indoor camera into an outdoor camera

Megapixel Outdoor Network Cameras

H.264 Compression	MJPEG MPEG4 Compression	1280 x 800 Megapixel	2-way Audio
CMOS Sensor	Level1DNS DNS Engine	802.3af PoE	USB2.0 Interface
4 x Digital 4 x Optical Zoom	IP67	Day Night	iPhone

MJPEG MPEG4 Compression	MJPEG Compression	1920 x 1080 Full HD	2-way Audio
CMOS Sensor	802.3af PoE	16 x Digital Zoom	IP66
Day Night	Card Slot	iPhone	



Outdoor Network Cameras

MJPEG MPEG4 Compression	2-way Audio	CMOS Sensor	4 x Digital Zoom
802.3af PoE	IP66	Day Night	iPhone

MJPEG MPEG4 Compression	2-way Audio	CCD Sensor	4 x Digital Zoom
IP66	Day Night	iPhone	



FCS-5041 Day/Night Megapixel PoE Outdoor Network Camera

- 1/4" Progressive CMOS Megapixel, 1280x800
- H.264, MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Remote access with Level1DNS™ service
- Removable IR-cut filter for Day/Night viewing
- Provides an external USB interface for an optional outdoor wireless solution or USB flash drive
- Built-in Infrared LEDs for night viewing up to 15m
- Smart Focus to get excellent image quality easily
- IP67 waterproof outdoor housing with built-in fan and heater
- Triple power support: 12V DC/24V AC/PoE (802.3af)
- Max Power Consumption: 12W

FCS-5051 Day/Night 2-Megapixel PoE Outdoor Network Camera

- 1/2.7" Progressive CMOS 2-Megapixel, 1920x1080
- H.264 and MJPEG compression
- Supports dual streams simultaneously
- Removable IR-cut filter for Day/Night viewing
- Built-in Infrared LEDs for night viewing up to 20m
- IP66 weatherproof outdoor housing
- Supports 2 privacy masks for private area protection
- Supports up to 20 viewers simultaneously
- Sun shield and cable management bracket for protected installation
- Built-in micro SD/SDHC memory card slot for local storage
- Triple power support: 12V DC/24V AC/PoE (802.3af)
- Max Power Consumption: 12W

FCS-5011 Day/Night PoE Outdoor Network Camera

- 1/3.3" Progressive CMOS, 720 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Removable IR-cut filter for day and night viewing
- RS-485 interface for rotators to control pan and tilt
- Built-in infrared LEDs for night viewing up to 15m
- WDR (Wide Dynamic Range) helps handling a wide range of lighting conditions in a scene, such as backlight situation
- Supports up to 10 viewers simultaneously
- Digital Input/Output (1 DI/1 DO) for sensor/alarm
- 802.3af PoE compliant for easy network deployment
- Max. power consumption: 6.5W

FCS-5030 Day/Night Outdoor Network Camera

- 1/3" Sony CCD, 740 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- 8mm lens for most common monitor angle and distance
- Built-in 12 pieces infrared LEDs for night viewing up to 30m
- IP66 weatherproof outdoor housing
- Provides full D1 resolution at 30/25 frames per second
- Supports multi-level user access IP address filtering
- Provides BNC video output for CCTV system
- Motion detection and event notification via E-mail
- Digital Input/Output (1 DI/1 DO) for sensor/alarm

Outdoor Wireless Solution:

WUA-5600
150Mbps N Wireless
High Power Outdoor USB
Adapter (7dBi Antenna)



Day and Night

Achieve colour imagery under normal, daylight conditions, and black and white imagery under low light conditions. When operating at night, with the assistance of LEDs, images can be captured up to 30m away, making it an ideal product for high end surveillance applications.

Infrared LEDs On

Outdoor Network Camera



FCS-4010 Speed Dome Pro Outdoor Network Camera (18x Optical Zoom)

- 1/4" SONY Progressive CCD, 640 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Removable IR-cut filter for Day/Night viewing
- Supports 360° pan and 90° tilt, continuous rotation
- Supports 18x Optical and 4x Digital zoom
- Supports 128-preset positioning memory
- Digital Input/Output (4 DI/1 DO) for sensor/alarm
- IP66 weatherproof outdoor housing
- Privacy mask for private area protection



FCS-4020 Speed Dome Pro Outdoor Network Camera (35x Optical Zoom)

- 1/4" Sony EXview HAD CCD, 704 x 480
- MPEG4 and MJPEG compression
- Supports dual streams simultaneously
- Removable IR-cut filter for Day/Night viewing
- Supports 360° pan and 90° tilt, continuous rotation
- Supports 35x Optical and 4x Digital zoom
- Supports 128-preset positioning memory
- Digital Input/Output (4 DI/1 DO) for sensor/alarm
- IP66 weatherproof outdoor housing
- 3D Privacy mask for private area protection
- WDR (Wide Dynamic Range) for high contrast environments
- Built-in SD/SDHC card slot for local storage



WDR On

Wide Dynamic Range (WDR)

WDR provides superior imagery for all your surveillance needs. A lot of cameras will provide adequate coverage for most applications, but sometimes sunlight in the background creates images that are too dark. WDR creates balanced, well-lit images, even when the camera is pointing directly into the sun.



18x zoom

Optical Zoom

Providing a higher level of security, users can monitor and zoom on specific targets without losing track. This is especially useful for viewing licence plate numbers, individual faces or identifying objects in a scene.



Mask On

Privacy Mask

For Private Area Protection, this function guarantees that private areas are completely sheltered, even when the camera pans, tilts and zooms.

Optional Accessories



Model: BOH-1100
Description: PoE Upgradable Outdoor Housing (12V DC/24V AC)
Works with: FCS-1101/FCS-1091/ FCS-1121/FCS-1131/FCS-1141/ FCS-1151



Model: CAS-1100
Description: 6~60mm Day/Night Vari-focal Lens (VGA IR corrected)
Works with: FCS-1081A/FCS-1091/ WCS-1090/FCS-1070/WCS-2070



Model: CAS-3015
Description: IR Illuminator (15m, 80°view angle, IP66)
Works with: FCS-1091/WCS-1090; FCS-1121/FCS-1131/FCS-1141/ FCS-1151



Model: CAS-4011
Description: Corner Mount Kit
Works with: FCS-4010/FCS-4020



Model: BOH-1200
Description: Day/Night PoE Upgradable Outdoor Housing (12V DC/24V AC)
Works with: FCS-1091/FCS-1121/ FCS-1131/FCS-1141/FCS-1151



Model: CAS-1101
Description: 5~50mm Day/Night Vari-focal Lens (VGA IR corrected)
Works with: FCS-1081A/FCS-1091/ WCS-1090/FCS-1070/WCS-2070



Model: CAS-3030
Description: IR Illuminator (30m, 80°view angle, IP66)
Works with: FCS-1091/WCS-1090; FCS-1121/FCS-1131/FCS-1141/ FCS-1151



Model: CAS-4200
Description: USB Joystick for P/T/Z Network Camera
Works with: FCS-4010/FCS-4020



Model: BOH-1300
Description: PoE Upgradable Outdoor Housing (12V DC/24V AC)
Works with: FCS-1101/FCS-1121



Model: CAS-1200
Description: 3.5~8mm Day/Night Vari-focal Lens (VGA IR corrected)
Works with: FCS-1081A/FCS-1091/ WCS-1090/FCS-1070/WCS-2070



Model: CAS-4100
Description: Recessed Ceiling Mount Kit
Works with: FCS-3021



Model: CAS-4020/ CAS-4021
Description: Pendant Mount Kit (20cm/40cm)
Works with: FCS-4010/FCS-4020



Model: POM-1100
Description: PoE Module
Works with: BOH-1100/ BOH-1200/ BOH-1300



Model: CAS-1300
Description: 2.8-8.5mm Day/ Night Vari-Focal Megapixel Lens
Works with: FCS-1121/FCS-1131/ FCS-1141/FCS-1151



Model: CAS-4010
Description: Pole Mount Kit
Works with: FCS-4010/FCS-4020



Model: DOH-1000/1100
Description: Domed Outdoor Housing
Works with: FCS-1040/FCS-1060



Powerful Surveillance Management Software

LevelOne has developed intelligent and advanced surveillance management software that complements our digital IP Surveillance Cameras. Features such as a Smart Guard system and Smart Search system allows for general monitoring of motion, missing objects, foreign objects and camera occlusion. This Smart Guard and Smart Search system is currently the most advanced surveillance software available in the surveillance market.

Advantages of LevelOne Digital Surveillance Management Software

- Monitor up to 64 channels simultaneously
- Supports Web-based and iPhone (iCamSecure)/Smart Phone/PDA remote viewing over the Internet
- Dual monitor supported for live view and playback simultaneously
- "Smart guard" event analysis and instant response to monitor larger areas more efficiently
- "Smart search" for easy locating of recorded events as well as multi-events viewer and filter
- Enhance images of recorded video
- "Counting application" for managing the movement of objects
- Complete system and event log database
- Relies on hard disk drive storage instead of video tapes
- Broadcast live video over the Internet for remote viewing
- Support both digital and analog cameras in one system
- Control pan/tilt/zoom features on cameras

Optimized Hybrid Surveillance

LevelOne IP CamSecure enables users to use both digital and analog cameras in one system for maximizing surveillance investment without immediate replacement of currently used systems. The surveillance software supports digital and analog to provide a complete monitoring and surveillance management system.

Instant Actions and Notifications

The software has several notification features that enables a surveillance system to monitor and report on certain activities. Notification includes on-screen display, sound alert, e-mail alert, phone call alert, digital signal out and pan/tilt/zoom pre-set go.

Improve Image Quality

The management software includes several important image enhancing features to get better image quality when recorded images are played back. The video enhancement tool is crucial in investigating security related imagery necessary for face and object recognition.

Dual Monitoring Function

This feature enables the software to display a multitude of cameras. On one screen up to 64 channels can be viewed with the other screen only displaying highlighted cameras for quick monitoring. The second screen can also be used to playback recorded segments while the first screen maintains live viewing capability.



FCS-9464 IP CamSecure Pro64 Mega (64-Channel)

Multi-Vendor

The Pro version of CamSecure software is an advanced windows based digital CCTV platform supporting multi-vendor cameras for up to 64 channels.



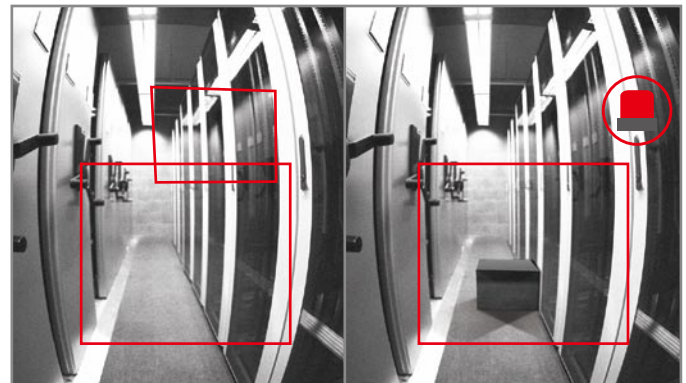
iCamSecure

iCamSecure is a newly free launch Apple application that enables users to monitor remotely live video camera through LevelOne IP CamSecure Surveillance Systems with iPhone, iPod Touch or iPad anywhere. View single camera through LevelOne IP CamSecure freeware (FCS-9064) and up to 16 cameras through IP CamSecure Pro System (FCS-94xx) over a Wi-Fi/3G network.



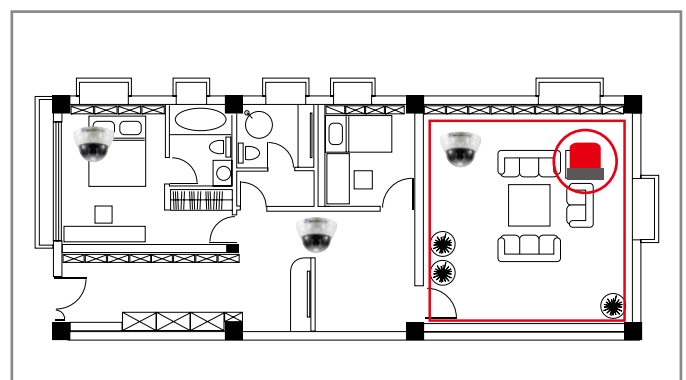
Smart Guard

When monitoring an area, any foreign objects that do not belong there, such as bags, boxes, cars and people, will trigger an alarm. The missing object feature is also a valuable inclusion to monitor specific objects within a monitoring area. Once these objects are removed, an alarm is triggered notifying users about unsolicited activity.



E-Map

The E-Map gives users an overview of the surveillance system and helps to locate each camera. If an incident occurs, such as an intruder, the related camera will be marked and users can switch to this camera immediately.



IP CamSecure Features Comparison

The LevelOne IP CamSecure series software was developed by LevelOne to provide advanced features for digital surveillance systems. The CamSecure series is able to provide full camera control and support for all LevelOne cameras as well as cameras from other manufacturers.

IP CamSecure Pro Mega Series		IP CamSecure
Main Features		
Max # of Cameras Live View, Monitor and Record	FCS-94 04/08/16/25/36/64 4/8/16/25/36/64	FCS-9064 64
Compatibility	*Compatible with LevelOne IP cameras. More IP cameras of other major manufacturers supported by FCS-94xx.	
Multi-Language Embedded	Brazil, Bulgaria, Traditional / Simple Chinese, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norway, Polish, Portuguese, Romanian, Russian, Serbia, Slovak, Slovenian, Spanish, Swedish.	
Hybrid Camera Management	Monitor IP digital and CCTV analog cameras in one surveillance system	
Multiple Monitor display	Up to 3 monitor	Up to 2 monitor
E-Map	Up to 10 layers	Up to 2 layers
Smart Guard	Events triggered by general motion detection, missing/ foreign object detection, signal lost, camera occlusion, lose focus, external input or system status	No
Motion Detection	Camera-based motion detection with image exclude filter for image areas of no interest in specific period status	
Smart Search	Search unusual events with specific parameters from recorded video	General Motion Only
Alarm Notification	Play sound, send emails, PoP up E-MAP on event, make phone calls, P/T/Z PRESET GO, Signal digital output, Send a SMS message, Send Snapshot to FTP/Email, on screen display and instant recording.	Instant recording
Counting Application	Count how many times objects move between different locations	No
Video Compression	MJPEG / MPEG4 / H.264	
Audio	Support full duplex real time audio	
User Account	Multiple user authentication levels with password restriction rules for unlimited users	
Log Viewer	All unusual events ,system events by date/time and/or cameras	
Recording	Continuous recording, manual recording/snapshot, record by schedule, record by digital input or triggered event, and record moving only (pre/post record buffer is up to 60 seconds).	
3GPP	**Monitor in 3G mobile devices which are equipped with 3G video playback.	No
iPhone/Smart Phone/PDA	Yes	
Digital Watermark	Yes	No
DDNS	Support DtDNS and Dynu.	No
UPnP	Search for IP cameras via UPnP	
Upgrade	No extra charge required for the further upgrade	
Playback		
Simultaneously Playback	16-CH	1-CH
Image Enhancer	Improve recorded video to get better image during playback and can be applied during export	
Search for Recordings	Search for recordings based on date, time or specific video parameters	Search for motion in continuous recordings
Playback	Controllable speed 1/16x~16x or frame by frame	
Video Clip Export	Export single BMP/JPEG/GIF/PNG/TIFF images to file or printer; Export video in AVI	
P/T/Z and I/O		
Pan/Tilt/Zoom Support	Control of P/T/Z cameras and preset positions	
Preset Patrolling	Multiple cameras patrolling	
Go to Preset on Event	Yes	No
Input/Output Control	Support digital input/output control	
Remote Access Via Remote Client Software		
Remote Client Service	Remote Live Viewer/ Remote Playback	Remote Live Viewer/Remote Playback
Pan/Tilt/Zoom Support	Control of P/T/Z cameras	
Max # of Cameras Live View	Up to 16-CH from different servers	1-CH remote live view
Max # of Cameras Playback	Up to 16-CH	1-CH remote live view
PDA / Smart Phone Client (WM 5.0 or above)	Up to 16-CH snapshot or 1-CH live display; P/T/Z and I/O control	1-CH remote live view
iPhone Safari	Up to 16-CH snapshot or 6-CH live display and P/T/Z	1-CH remote live view
iPhone Viewer	Up to 64-Ch, 6-CH per page, total up to 64-CH (depends on server)	N/A
Remote Access Via Web Browser		
Max # of Cameras Live View/Playback	Up to 4-CH / Up to 4-CH	1-CH / No support Playback
Support Browser (PC/NB)	IE browser	
Minimum System Requirements		
CPU	Intel Pentium D 930(1~16-CH Monitoring), Intel Core 2 Duo(17~32-CH Monitoring), Intel Core 2 Quad(33~64-CH Monitoring)	Intel Core 2 Duo
RAM	1 GB above	
Display	ATI Radeon 9200, nVIDIA GeForce FX-5200, Intel 945G/965G, or above (ATI recommended)	
Hard Disk	250 GB or above	
OS	Windows XP / Server 2003 / Vista / 7	

*Please visit www.level1.com for the compatible product list.

**This feature depends on the mobile telecom service provided and the mobile phone model. LevelOne does not guarantee that this feature will work in all countries.

***The specification is subject to change. Please visit www.level1.com for the latest specification. Users can upgrade IP CamSecure Lite(older version) to IP CamSecure(v1.26)

FCS-94xx IP CamSecure Pro Mega Series



FCS-9416



FCS-9464

* For LevelOne Cameras, Capture Cards and Video Servers. It also supports many other Network Cameras.

IP CamSecure Pro Mega Series	
Model name	FCS-94 04/08/16/25/36/64
Simultaneous Monitoring	4/8/16/25/36/64
Camera Support	
LevelOne	FCS-0010, FCS-0020, FCS-0030, FCS-0040, FCS-1010, FCS-1030, FCS-1040, FCS-1050, FCS-1060, FCS-1070, FCS-1081, FCS-1091, FCS-1101, FCS-1121, FCS-1131, FCS-1141, FCS-1151, FCS-3000, FCS-3021, FCS-3031, FCS-3051, FCS-3061, FCS-3071, FCS-3081, FCS-4010, FCS-4020, FCS-4000, FCS-5011, FCS-5030, FCS-5041, FCS-5051, FCS-7011, FCS-7111, FCS-8005, FCS-8006, WCS-0010, WCS-0020, WCS-0030, WCS-0040, WCS-1090, WCS-2010, WCS-2010V2.0, WCS-2030, WCS-2040, WCS-2060, WCS-2070
ACTI	ACD2000Q, ACD2100, ACD2200, ACD2300, ACD2400, ACM1011, ACM1231, ACM1232, ACM1311, ACM1431, ACM1432, ACM1511, ACM3001, ACM3011, ACM3211, ACM3311, ACM3401, ACM3411, ACM3511, ACM4000, ACM4100, ACM4200, ACM4201, ACM5001, ACM5601, ACM5611, ACM5711, ACM7411, ACM8201, ACM8211, ACM8511, CAM5130, CAM5140, CAM5150, CAM5200, CAM5201, CAM5221, CAM5300, CAM5301, CAM5321, CAM5500, CAM6100, CAM6200, CAM6220, CAM6500, CAM6510, CAM6520, CAM6600, CAM6610, CAM6620, CAM6630, CAM7100, CAM7120, CAM7200, CAM7220, CAM7300, CAM7301, CAM7320, CAM7321, CAM7322, SED2100, SED2120, SED2140, SED2310Q, SED2320Q, SED2400, SED2420, SED2600, SED2610, SEM1110, TCM4301, TCM5311
Arecont Vision	AV1300, AV1305, AV1355, AV2000, AV2100, AV2105, AV2155, AV3100, AV3105, AV3130, AV3155, AV5100, AV5105, AV5155, AV8180, AV8185, AV8360, AV8365
Atlantis Land	A02-OIPCAM1, A02-OIPCAM2, A02-OIPCAM3, A02-IPCAM5, A02-IPCAM6, A02-IPCAM7, A02-IPCAM8, A02-IPCAM9, A02-IPCAM10, A02-IPCAM11, A02-IPCAM12, A02-IPCAM13, A02-IPCAM14, A02-IPCAM15, A02-IPCAM16, A02-IPCAM17
AXIS	205, 206, 206M, 206W, 207, 207MW, 207W, 209FD, 209FD-R, 209MFD, 209MFD-R, 210, 210A, 211, 211A, 211M, 211W, 212, 213, 214, 215, 216FD, 216FD-V, 216MFD, 216MFD-V, 221, 223M, 225FD, 231D, 231D+, 232D, 232D+, 233D, 240Q, 2400, 241Q, 241QA, 241S, 241SA, 242S, 243Q, 243SA, 247S, 2460, M1011, M1011-W, M1031-W, M3011, M3014, P1311, P1343, P1344, P3301, P3301-V, P3343, P3343-V, P3343-VE, P3344, P3344-V, P3344-VE, Q1755, Q6032-E, Q7401, Q7404, Q7406
BASLER	BIP-640C, BIP-640C-DN, BIP-1000C, BIP-1000C-DN, BIP-1300C, BIP-1300C-DN, BIP-1600C, BIP-1600C-DN
D-Link	CS-6620, DCS-6620G, DCS-5220, DCS-5300, DCS-5300G, DCS-2120, DCS-3420, DCS-3220, DCS-3220G, DCS-2100, DCS-2100G, DVS-104, DVS-301, DCS-900, DCS-G900, DCS-910, DCS-920, DCS-950, DCS-950G, DCS-3110, DCS-3410, DCS-3415, DCS-5220(TW), DCS-5610, DCS-6110, DCS-6111
ETROVISION	EV3130AW, EV3130A, EV3131, EV3830H/HP, EV6130W, EV6130P, EV6131HW, EV6131H/HP, EV6132A, EV6230A, EV6332, EV6333A, EV6530, EV6531A, EV6532A
FINE	TCP-690, TCP-690DN, TCP-HP930, WB-8211SD, WB-8411, CDV-3V930, TCP-690U, TCP-HP930U, WB-8211SDU, CDV-3V930U, EP-936, EP-908, EP-601, EP-201, EP-221, EP-221DN, MD-D1200, TCP670DNU, TCP680DNU
HIKVISION	DS-2DF1, DS-2CD852MF-E, DS-2CD802PF, DS-2CD802NF, DS-2CD812PF, DS-2CD812NF, DS-2CD832PF, DS-2CD832NF, DS-2CD892PF, DS-2CD892NF, DS-2CD802PF-E, DS-2CD802NF-E, DS-2CD812PF-E, DS-2CD812NF-E, DS-2CD832PF-E, DS-2CD832NF-E, DS-2CD892PF-E, DS-2CD892NF-E, DS-2CD812PF-IR1, DS-2CD812NF-IR1, DS-2CD832PF-IR1, DS-2CD832NF-IR1, DS-2CD892PF-IR1, DS-2CD892NF-IR1, DS-2CD812PF-IR3, DS-2CD832PF-IR3, DS-2CD832NF-IR3, DS-2CD892PF-IR3, DS-2CD892NF-IR3, DS-2CD702PF, DS-2CD702NF, DS-2CD712PF, DS-2CD712NF, DS-2CD732PF, DS-2CD732NF, DS-2CD792PF, DS-2CD792NF, DS-2CD702P-FB, DS-2CD702N-FB, DS-2CD712P-FB, DS-2CD712N-FB, DS-2CD732PF-FB, DS-2CD732NF-FB, DS-2CD792PF-FB, DS-2CD792NF-FB, DS-6101HF-IP, DS-2CD852MF-E, DS-2CD752MF-E, DS-2CD752MF-FB, DS-2CD752MF-FH, DS-2CD862MF-E, DS-2CD762MF, DS-2CD762MF-E, DS-2CD762MF-FH, DS-2CD762MF-FB(Hs), DS-2CD812P(N)-IR5, DS-2CD832P(N)-IR5, DS-2CD892P(N)-IR5, DS-2CD852F, DS-2CD752F-E
IQinvision	IQeye301, IQeye301m, IQeye301w, IQeye302, IQeye302w, IQeye303, IQeye303w, IQeye501, IQeye510, IQeye511, IQeye601, IQeye602, IQeye603, IQeye701, IQeye702, IQeye703, IQeye705, IQeye751, IQeye752, IQeye753, IQeye755, IQA255, IQA425, IQeye855
JVC	VN-C20U, VN-E4(U), VN-C205U, VN-C215U, VN-C655U
Lumenera	le045c, le045c-dn, le075c, le075c-dn, le11059c, le165c, le165c-dn, le175c, le175c-dn, le259c, le275c, le275c-dn, le375c, le375c-dn, le165c
MOBOTIX	D12D-IT, D12D-Sec, D22M-Basic, D22M-IT, D22M-Sec, M10D, M12D-IT, M12D-Sec, M12D-Web, M22M-IT, M22M-Sec, Q22M-Basic, Q22M-Sec, Q24-Basic, Q24-Sec
Panasonic	BB-HCE481, BB-HCM311, BB-HCM371, BB-HCM381, BB-HCM403, BB-HCM511, BB-HCM515, BB-HCM527, BB-HCM531, BB-HCM581, BB-HCS301, BL-C1, BL-C10, BL-C111, BL-C131, BL-C20, BL-C30, BL-C101A, BL-C121A, BL-C160, KX-HCM110, KX-HCM280A, DG-NF284, DG-NF302, DG-NP240, DG-NP244, DG-NP304, DG-NS202, DG-NS202A, DG-NS950, DG-NS954, DG-NW960, DG-NW964, WJ-NT304, WJ-NT314, WV-NF284, WV-NF302, WV-NM100, WV-NP1000, WV-NP1004, WV-NP240, WV-NP244, WV-NP304, WV-NP472, WV-NP502, WV-NS202, WV-NS202A, WV-NS324, WV-NS950, WV-NS954, WV-NW484, WV-NW502S, WV-NW960, WV-NW964
PIXORD	100, 120/126/128, 200/206, 201, 205, 207, 240, 241, 261, 262, 263, 300, 400/42X, 461, 463, 1000, 1401, 2000, 4000, 405, 410, 405M, 411/412, 415M, 416
PLANET	ICA-510, ICA-700, ICA-151W, ICA-151, ICA-750, ICA-107W, ICA-107P, ICA-107, ICA-108, ICA-108W, ICA-120, ICA-230, ICA-230W, ICA-230P, ICA-M230, ICA-310, ICA-310W, ICA-312, ICA-312v2, ICA-350, ICA-350-V2, ICA-501, ICA-525, ICA-530, ICA-651, ICA-601, IVS-110
SAMSUNG	SCC-C6475, SNC-B2315, SNC-B5395, SNC-B2331, SNC-B2335, SNC-B5368, SNC-B5399, SNC-C6225, SNC-C7225, SNC-C7478, SNC-M300
SANYO	VCC-HD4000, VCC-HD4000P, VDC-DP9585P, VDC-DP9584N, VCC-9800P, VCC-9800NA, VCC-ZM600N
SONY	SNC-CM120, SNC-CS10, SNC-CS11, SNC-CS20, SNC-CS3, SNC-CS50, SNC-DF40, SNC-DF50, SNC-DF70, SNC-DF80, SNC-DF85, SNC-DM110, SNC-DM160, SNC-DS10, SNC-DS60, SNC-P1, SNC-P5, SNC-RX530, SNC-RX550, SNC-RX570, SNC-RZ25, SNC-RZ30, SNC-RZ50, SNC-Z20, SNT-V704
TOSHIBA	IK-WB02A, IK-WR01A, IK-WB21A, IK-WB15A
VIVOTEX	FD61x1, FD61x2, FD7130, FD7131, FD7132, FD7141, FD7160, IP21x1, IP21x2, IP3132, IP3133, IP3135, IP3135-PLNK, IP3136, IP3136-PLNK, IP3137, IP31x1, IP31x1TLFN, IP31x2, IP31x7, IP51x2, IP51x4, IP6114, IP6124, IP61x2, IP61x4, IP61x7, IP7130, IP7131, IP7132, IP7133, IP7134, IP7135, IP7137, IP7138, IP7139, IP7142, IP7151, IP7152, IP7153, IP7154, IP7160, IP7161, IP71x7, IP7251, IP7330, IP7361, IZ7151, PT3134, PT31x2, PT31x3, PT31x4, PT31x7, PT7000, PT7135, PT7137, PZ61x2, PZ61x4, PZ7131, PZ7151, PZ7152, PZ71X1, PZ71X2, SD61x2, SD7151, SD73X3, TC5330, TC5331, VS2101, VS2401, VS2402, VS2403, VS3100, VS3101, VS3102, VS3102-XLTH, VS7100
ZAVIO	B5110, B6110, D510E, D520E, D610A, D6111, D611E, F210A, F3100, F3105, F312A, F5100, F5105, F510E, F510W, F5110, F5115, F511E, F511W, F520E, F521E, F531E, F610A, F611E, F721A, F731E, M510E, M510W, M511E, M511W, P5110, P5115, V111T

Network Video Recorders



Simple set up and a reliable, cost-effective surveillance system

The LevelOne Network Video Recorder (NVR) series is compatible with LevelOne network cameras, and offers a complete recording solution. It enables live view recording and playback for up to 16 IP network cameras via the local area network or over the Internet simultaneously. No specific software is required, just plug the NVR into your LAN connected device (switch or router) and with a few clicks it will search and configure each connected Network Camera instantly. It allows users to easily build an advanced surveillance network.

Free bundled NVR management software to manage up to 16 NVR devices (max. 256 network cameras)



NVR-0204/NVR-0208/ NVR-0216 4/8/16-CH Network Video Recorder

- Compression: MJPEG/MPEG4/H.264
- Gigabit Ethernet (1000Mbps)
- Auto-Detect to network cameras for video recording and playback
- Schedule recordings and 2-way audio
- Event display on E-Map
- P/T/Z, preset point and reset sequence
- Supports External UPS and DI/DO
- Two 3.5 inch disk slots (SATA/II)

	Network Video Recorders
Model name	NVR-0204/NVR-0208/NVR-0216
Monitoring camera	4/8/16
Camera Support	
LevelOne	FCS-0010 (V2), FCS-0020, FCS-0030, FCS-0040, FCS-1030 (V2), FCS-1040 (V3), FCS-1060, FCS-1081A, FCS-1091, FCS-1101, FCS-1121, FCS-1131, FCS-1141, FCS-1151, FCS-3021, FCS-3031, FCS-3051, FCS-3061, FCS-3071, FCS-4010, FCS-4020, FCS-4000, FCS-4100, FCS-4200, FCS-4300, FCS-4400, FCS-4500, FCS-5011, FCS-5030, FCS-5041, FCS-7111, WCS-0010, WCS-0020, WCS-0030, WCS-0040, WCS-1090, WCS-2030 (V3), WCS-2040 (V3), WCS-2060
Abus	TV7240, TV7230, TV7203, TV7204, TV7206, TV7220, TV7221, TV7222, TV7223
ACTi	ACM1011, ACM1511, ACM1231, ACM1232, ACM3011, ACM3401, ACM3411, ACM3511, ACM4000, ACM4001, ACM4200, ACM4201, ACM5601, ACM5611, ACM7411, ACD2100, ACD2200, ACD2300, ACD2400, TCM-5311
ALinking	9122/9122p, 9751/9751w, 9852/9852w, 9451, 9351, 9551, 9552, 9553, 9152, 9652
A-MTK	VB-C300, VB-C60, VB-C500D, DCS-2102, DCS-2121, DCS-3410, DVS-N3010, DVS-N3014, DVS-N3040, DVS-N3044, DCS-N3530, DCS-N3531, DCS-N3534, DCS-N5440, DCS-N5442, DCS-N5444, DCS-N6240, DCS-N6241, DCS-N6244, DCS-N2100, DCS-N2104, BL-C1, BL-C10, BL-C20, BL-C30, BL-C111
Arecont Vision	AV1300, AV1305, AV1355, AV2100, AV2105, AV2155, AV3100, AV3105, AV3155, AV3130, AV5100, AV5105, AV5155, AV8180, AV8185, AV8360, AV8365
AVTech	AVI-201, AVI-202, AVI-203, AVN-211, AVN-212, AVN-222, AVN-244, AVN-252, AVN-263, AVN-284
AXIS	All dual-stream and H.264 capable cameras
BrickCom	WFB-100A, FD-100A, FB-100A, CB-100A, WCB-100A
Canon	BL-C131, BB-HCS301, BB-HCM100
D-Link	BB-HCM110, BB-HCM311, BB-HCM331, BB-HCM371, BB-HCM-381, KX-HCM110, KX-HCM280A, BB-HCM403, BB-HCE481, BB-HCM511, BB-HCM527, BB-HCM531, BB-HCM547, BB-HCM515, BB-HCM580, BB-HCM581, BB-HCM715, BB-HCM715
Etrovision	EV6150, EV6150A, EV6151A, EV6153A, EV6551A, EV6552A, EV8150A, EV6353A, EV6250A, EV3850A, EV3151A, EV3151, EV3150A
Hunt	All
IQinvision	IQA2xx series, IQA1xx series, IQ04xx/D4xx/05xx series, IQEye5xx, IQEye7xx/8xx series
Mobotix	M12, M22, D12, D24
Panasonic	WV-NP1004, WV-NP244, WV-NS202, WV-NF284, WJ-NT304, WV-NW484S, WV-NS202A, WV-NS954, WV-NW964, WJ-NT314, WV-NF302, WV-NP304, SNC-CS10, SNC-CS11, SNC-CS20, SNC-CS50, SNC-DF40, SNC-DF50, SNC-DF70, SNC-DF80, SNC-DS10, SNC-DS60, SNC-P1, SNC-P5, SNC-RZ25, SNC-RZ50, SNC-RX530, SNC-RX550, SNC-RX570, SNC-CM120, SNC-CS20, SNC-DM110, SNC-DM160, SNC-DS10, SNC-DS60, SNC-RH124, SNC-RH164, SNC-RS46
Pixord	P600
Sony	SNC-RS44, SNC-RS86, SNC-RS84, SNT-EX101, SNT-EX104, SNT-EX154, SNT-EP104, SNT-EP154, SNC-CH140, SNC-CH180, SNC-CH240, SNC-DH140, SNC-DH140T, SNC-DH180, SNC-DH240, SNC-DH240T, SNC-DF85, F210A, F312A, F611E, F510E/W, F511E/W, F520E, F610A, D611E, D510E, M511E/W, M510W/W, D520E, F731E, F721A, F521E, V111T, F3105, AM91xxM, AM92xxM, AM93xxM, AM95xxM, AM96xxM, AM97xxM, AM98xxM, AM90xxM, AM93xx
Toshiba	IK-WD01A, K-WB70A
Vivotek	IP7131 (V1), IP7132 (V1), IP7135 (V1), IP7137 (V1), PT7135 (V1), PT7137 (V1), IP7130, IP7133, P7134, IP7142, IZ7151, IP7153, IP7154, IP7160, IP7161, IP7251, IP7330, PZ7111, PZ7112, PZ7121, PZ7122, PZ7131, PZ7132, PZ7151, PZ7152, PT7135, FD7131, FD7132, FD7141, FD7141V, FD7151, SD73x3, IP8161
Zavio	AM95xx, AM96xx, AM97xx, AM99xx, AM62xx, AM31xxM, AM32xxM, AM36xxM, AM30xx, AM31xx, AM32xx, AM35xx, AM36xx, AM37xx, AM38xx, AM39xx, AM61xx



Integrating the old with the new

As more and more security networks are making the move from analog to digital, there are many people that are stuck in the middle. What do you do if you just purchased a CCTV system, yet you want the flexibility and functionality of digital surveillance? LevelOne's Video Server and Capture Cards are the answer for you. By integrating your existing CCTV cameras into a feature-rich digital network, you can hold onto the previous investment while taking advantage of new technology.



+



FCS-7111

or



FCS-8005

or



FCS-8006

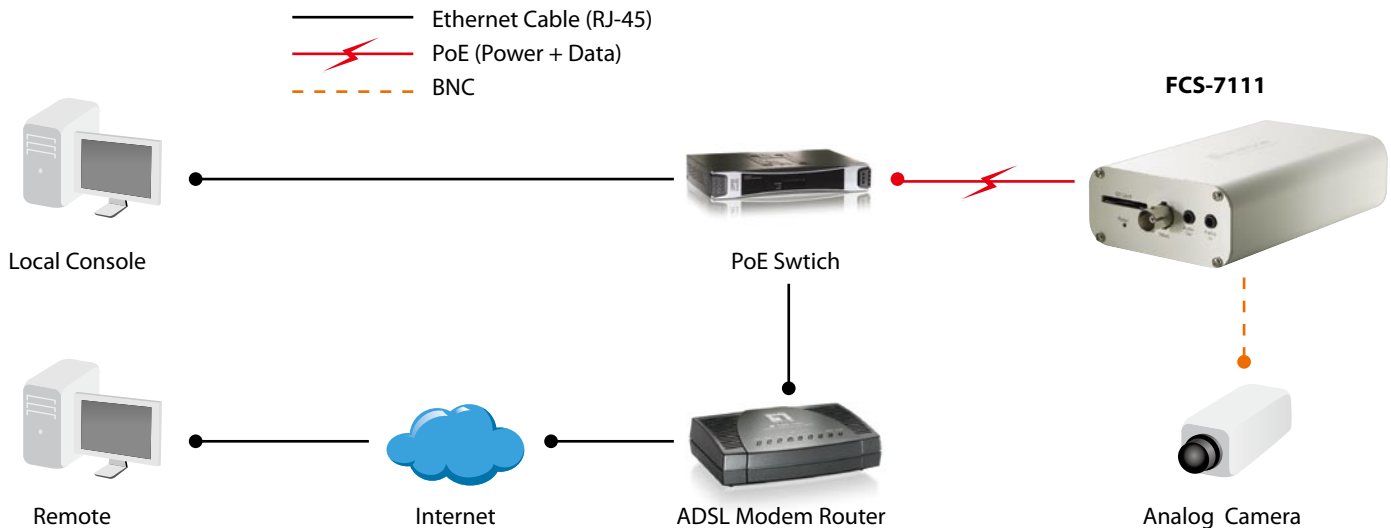
FREE



64-CH Management
Software Included

Hybrid Interoperable

LevelOne provides surveillance products that enable already installed analog surveillance products to be integrated into a digital IP-based surveillance system.



ONVIF



FCS-7111 1-Port H.264 PoE Video Server

LevelOne provides video servers that enable analog surveillance cameras to be incorporated into an IP-based surveillance system.

Key Features

- H.264, MPEG-4, and MJPEG compression
- Multiple streams simultaneously
- Digital Input/Output (1 DI/1 DO) for sensor/alarm
- RS-485 interface for scanner or pan/tilt control
- Built-in SD/SDHC card slot for local storage
- Supports up to 20 viewers simultaneously
- 802.3af PoE compliant for easy network deployment
- Triple power support: 12V DC/24V AC/PoE (802.3af)
- Max. power consumption: 5W
- Free Bundled 64-CH IP CamSecure Surveillance Management Software

FCS-8005 4-CH Analog Camera Capture Card

FCS-8005 is a digital capture card that allows the recording and monitoring of up to 4 CCTV cameras.

Key Features

- Integrate analog and digital cameras on a single optimized surveillance system
- Supports the monitoring of 4 analog cameras
- Advanced motion detection and alarm functions
- View up to 60 frames per second
- Superior video resolution up to 704 x 480 (NTSC)/704x576 (PAL)
- 2 ports audio inputs
- MPEG-4 compression mode
- Free Bundled 64-CH IP CamSecure Surveillance Management Software
- Supports Windows XP/Server 2003/Vista/7

FCS-8006 16-CH Analog Camera Capture Card

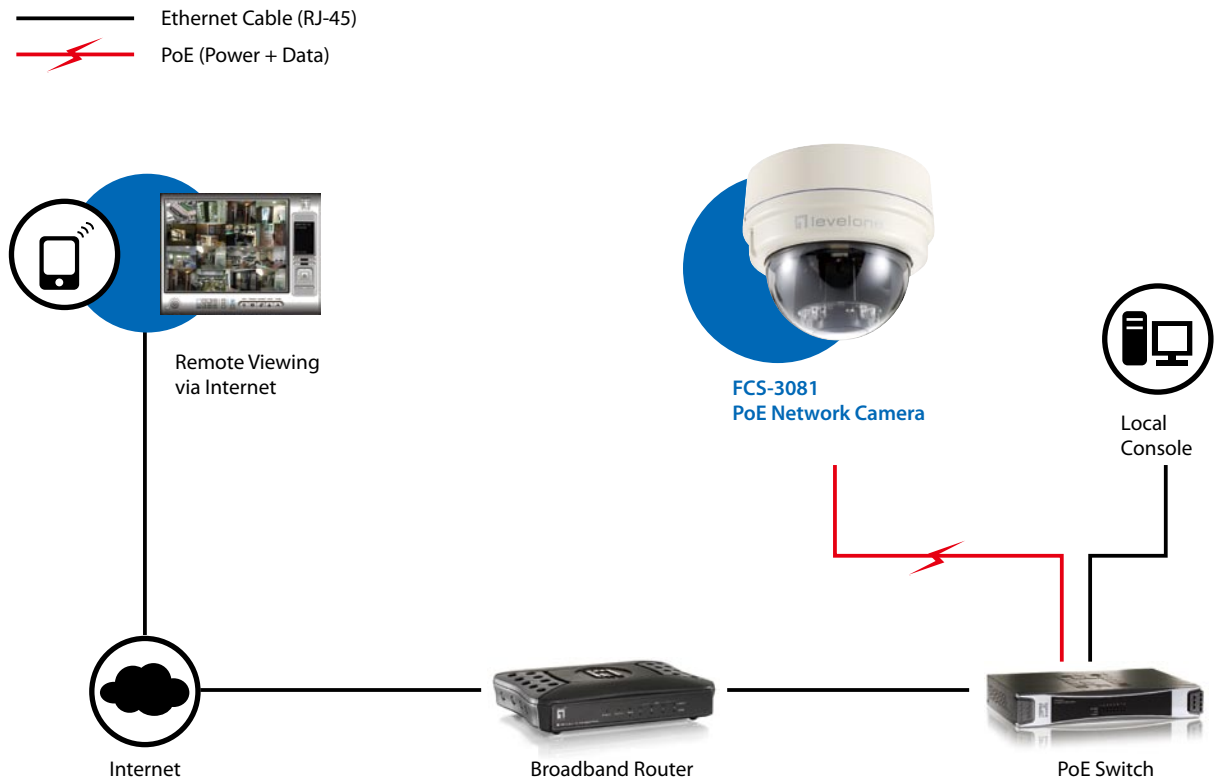
FCS-8006 is a digital capture card that allows the recording and monitoring of up to 16 CCTV cameras.

Key Features





- Integrate analog with digital cameras on a single optimized surveillance system
- Supports the monitoring of 16 analog cameras
- Advanced motion detection and alarm functions
- View up to 120 (NTSC)/100 (PAL) frames per second
- Superior video resolution up to 704 x 480 (NTSC)/704x576 (PAL)
- 4 ports audio inputs
- MPEG-4 compression mode
- Free Bundled 64-CH IP CamSecure Surveillance Management Software
- Supports Windows XP/Server 2003/Vista/7

Surveillance Deployment through PoE Switches

For a “powerless” and true PoE Surveillance System, LevelOne recommends the deployment of a Cat.5 (or above) Ethernet LAN by using our PoE switches. The switches provide PoE ports that can connect directly to our PoE enabled network cameras over a 100m distance. This is an excellent solution to deploy together with power redundancy to ensure constant power supply in case of power failure.

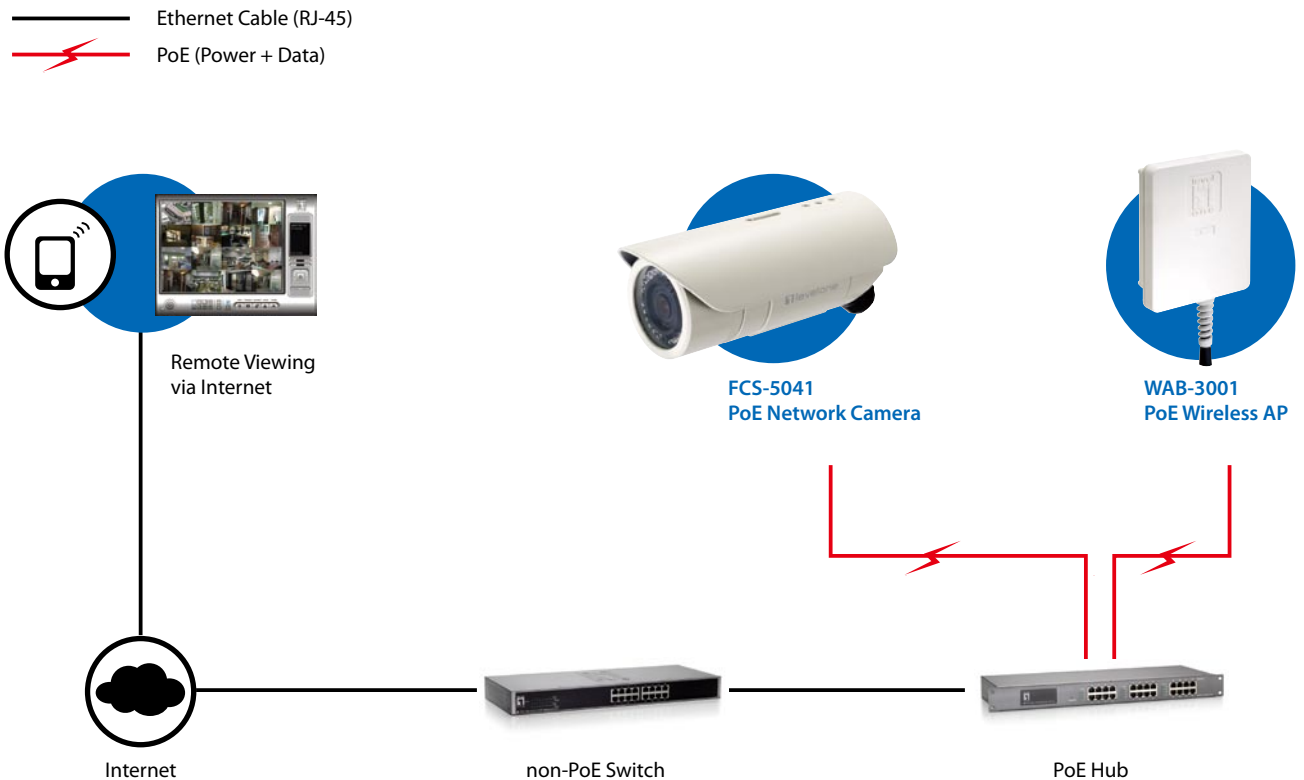


Power over Ethernet (PoE) Switches

			
FSW-0809 4 FE + 4 FE PoE Switch	FSW-0513 4-Port Fast Ethernet High Power PoE Switch	FSW-1671 8 FE + 8 FE PoE Web Smart Switch	GSW-2693 24 FE PoE + 2 GE Combo SFP L2 Managed Switch
<ul style="list-style-type: none">- Complies with IEEE 802.3af PoE Standard- Provides 8-Port 10/100Mbps Ethernet Switch with 4-Port PoE capability- Built-in protection for over current and short circuit- Features PoE Powered Device (PD) classification identify- Max. PoE output power: 30W	<ul style="list-style-type: none">- 10/100Mbps Fast Ethernet Switch with 4 PoE ports and one uplink port- PoE output power of enabled ports: 1-Port 48W; 2-Port 48W; 3-Port 40W; 4-Port 30W- Power protection: over voltage, over current and over temp protection- Supports up to 2 K MAC address table- Provides 512 KB frame buffer- Max. PoE output power: 120W	<ul style="list-style-type: none">- 16x10/100Mbps ports with 8 PoE ports- Complies with IEEE802.3af standard- Supports IEEE 802.3x flow control- Supports back-pressure flow control for half-duplex mode ports- Supports 802.1Q VLAN- Supports Port based/802.1P based QoS (Quality of Service)- Easy configuration via Web browser- Max. PoE output power: 123.2W	<ul style="list-style-type: none">- Enables a LAN with PoE powered devices with a central power source- 802.3ad port trunking with LACP and 802.1p- Virtual stacking of up to 16 units- 802.1Q Q-in-Q VLAN with up to 256 active VLANs- 802.1d/w/s with spanning tree and rate control- Max. PoE output power: 185W

Surveillance Deployment through PoE Hub

Fully compliant with the IEEE 802.3af standard and acts as a patch panel between a switch and other network devices to provide power and data, and it supplies PoE power of up to 30W per port over existing Cat.5 Ethernet cable.



Power over Ethernet (PoE) Hubs



POH-1250
12 FE PoE Injector Hub

- 12 ports Power over Ethernet hub
- Remote power feeding up to 100m
- High safety short circuit protection
- Power protection: over voltage, over current and over temp protection
- Power auto recovery
- 19" Rack mountable size
- Max. PoE output power: 200W



POH-1260
12 FE High Power PoE Injector Hub

- 12 ports Power over Ethernet Hub
- Remote power feeding up to 100m
- High safety short circuit protection
- Power protection: over voltage, over current and over temp protection
- Power auto recovery
- 19" Rack mountable size
- Total PoE power budget: 375W, up to 30W per port



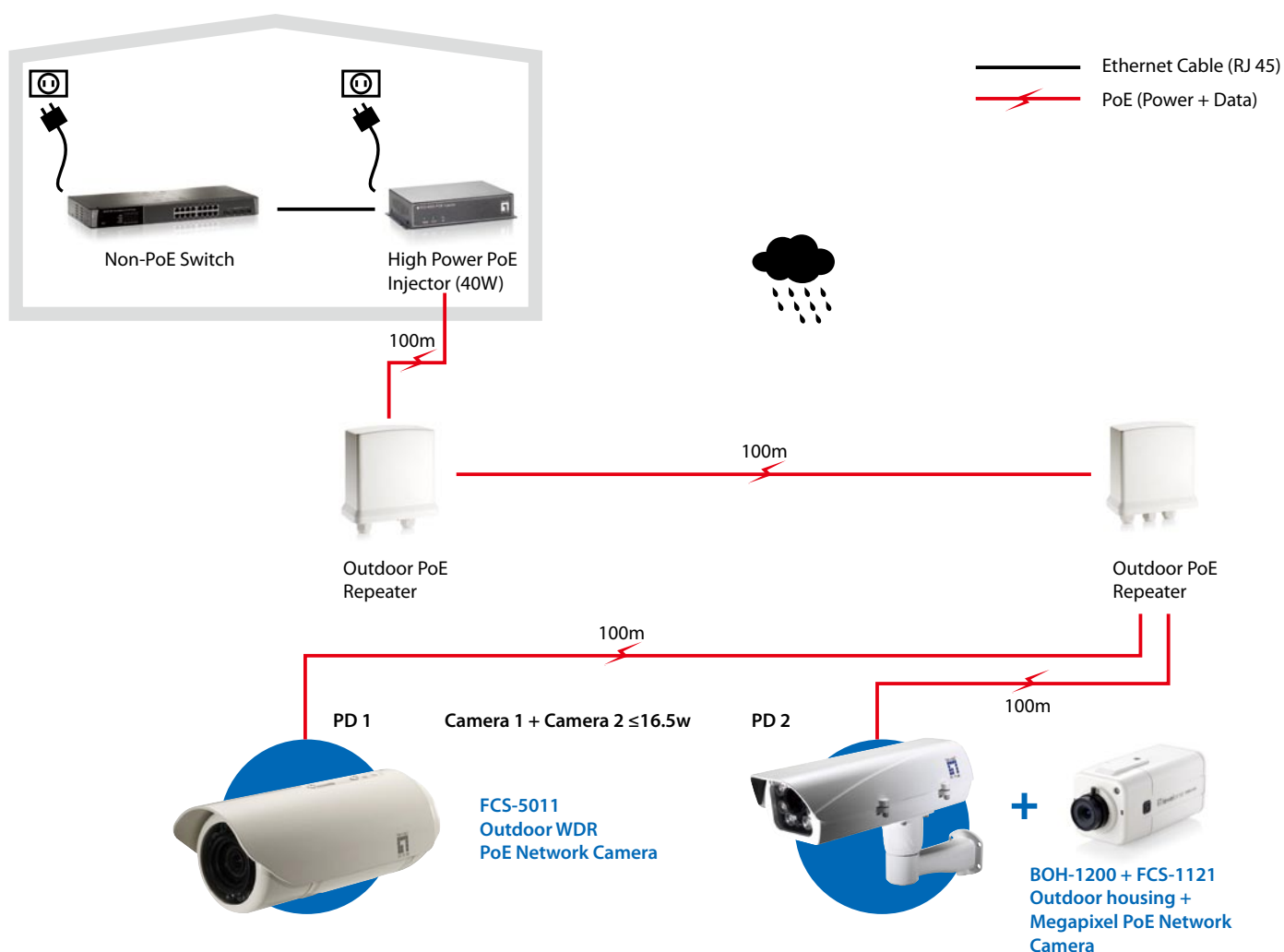
POH-2450
24 FE PoE Mid Span Hub

- 24 ports Power over Ethernet hub
- Remote power feeding up to 100m
- Provides support for SNMP, Web, Console and Telnet network management features
- Provides protection against power overloading and possible short circuit
- Max. PoE output power: 400W

Extend the Distance of the High Power PoE Surveillance

The traditional PoE standard (IEEE 802.3af) supports 15.4W, and normal cable runs only reach 100m, which is fine for regular devices. But what do you do if your network cameras need more power or extend the distance? LevelOne PoE repeaters allow a PoE device to be attached to your network up to 800m. The "IN" port accepts the power and data for the first 100m, and the "OUT" port boosts and extends the power and data an additional 100m.

PoE Repeaters are the perfect accessories to increase the range of indoor/outdoor PoE devices.



Power over Ethernet (PoE) Repeaters



POR-0100
1-Port Indoor PoE Repeater

- Extends Cat.5 cable installations to beyond 100m
- Forwards PoE to remote device
- No Power required
- Simple to install - works instantly
- Supports all network devices



POR-0102
2-Port Indoor PoE Repeater

- Extends Cat.5 cable installations to beyond 100m
- 2-Port Ethernet power sourcing equipment
- Forwards PoE to remote device
- No Power required
- Simple to install - works instantly
- Supports all network devices



POR-1100
1-Port Outdoor PoE Repeater

- Extends Cat.5 cable installations to beyond 100m
- Forwards PoE to remote device
- No Power required
- Supports all network devices
- IP66 weatherproof design

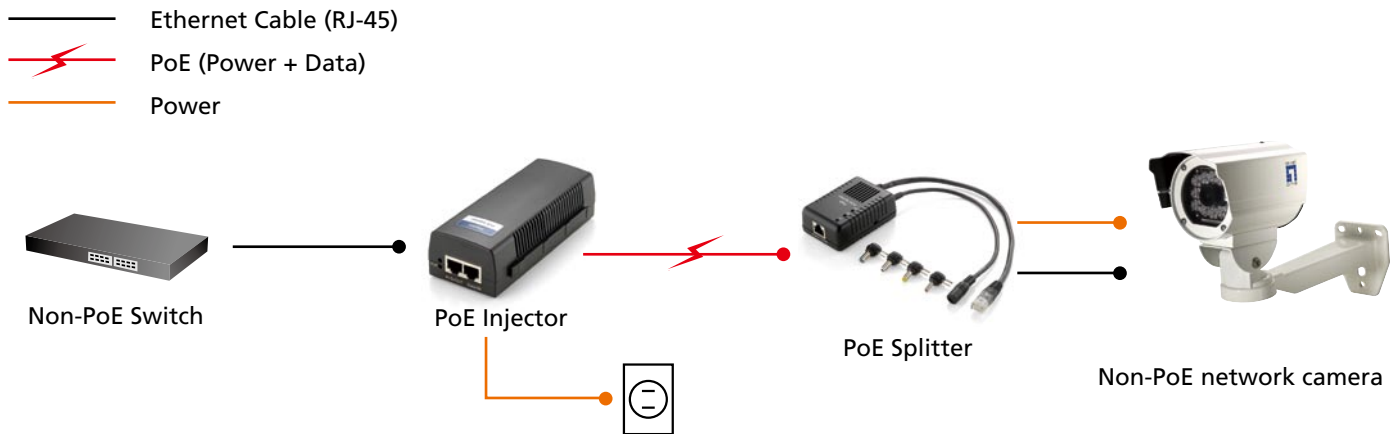


POR-1102
2-Port Outdoor PoE Repeater

- Extends Cat.5 cable installations to beyond 100m
- 2-Port Ethernet Power Sourcing Equipment
- Forwards PoE to remote device
- No Power required
- Supports all network devices
- IP66 weatherproof design

Surveillance Deployment through PoE Injector/Splitter

LevelOne's PoE injectors provide power over single Ethernet cable, and PoE splitters enable non-PoE network devices with PoE functionality, such as network cameras, access points or VoIP phones, sending power using only Cat.5 cables. Easily install non-PoE devices where a power outlet is not available, reducing installation and network equipment costs.



Power over Ethernet (PoE) Injectors



POI-2002
PoE Injector

- Up to 15.4W of PoE power
- Minimise the need for bulky power adapter and mains for network wiring
- Delivering power and data to equipment by a single Ethernet cable
- High safety with surge protection
- Remote power feeding up to 100m
- Internal power supply



POI-4000
High Power PoE Injector

- Max. PoE output power: 56W
- Sends Power over Ethernet to remote devices, such as P/T/Z network camera
- Built-in Surge and over current protection
- DC INPUT: 12~20V DC
- Remote power feeding up to 100m
- Plug-and-play



POI-2001
Gigabit PoE Injector

- Up to 15.4W of PoE power
- Compatible with IEEE 802.3af
- Supports 10/100/1000Base-T LAN environments
- Provides protection against power overloading and possible short circuit
- Automatic detection and protection of non-standard Ethernet terminals
- Unique interlocking feature for easy installation



POI-3000
Gigabit PoE Plus Injector

- Max. PoE output power: 30W
- IEEE 802.3af/at compliant
- Supports 10/100/1000Base-T LAN environments
- Provides protection against power overloading and possible short circuit
- Automatic detection and protection of non-standard Ethernet terminals
- Unique interlocking feature for easy installation

Power over Ethernet (PoE) Splitters



POS-1002
5-12V DC PoE Splitter

- IEEE 802.3 af compliance
- Enables non-PoE devices with PoE capability
- Convertible voltage (5V/9V/12V) used in most appliance by DIP
- Delivering power and data to equipment by a single Ethernet cable
- Eliminates the need for bulky power adapter and power line for appliance
- Provides interchangeable tips



POS-4000 / POS-4002
3-12V DC/24V AC High Power PoE Splitter

- Built-in current limitation, short circuit and overload protection
- Split Power over Ethernet (PoE) to remote devices
- Cost saving power distribution over existing Cat.5 network infrastructure
- Max. PoE output power: 12V DC/2.5A (POS-4000)
- Max. PoE output power: 24V AC/1.6A (POS-4002)



POS-1001
5-12V DC Gigabit PoE Splitter

- IEEE 802.3 af compliance
- Supplies power up to 12.9W
- Network devices at Gigabit speeds all within a compact device
- Automatically detects PoE terminals and supplies inline power
- Safeguards network device with short circuit protection
- Adjustable output DIP switch for 5V, 9V, and 12V adjustable output
- Provides swappable power connectors

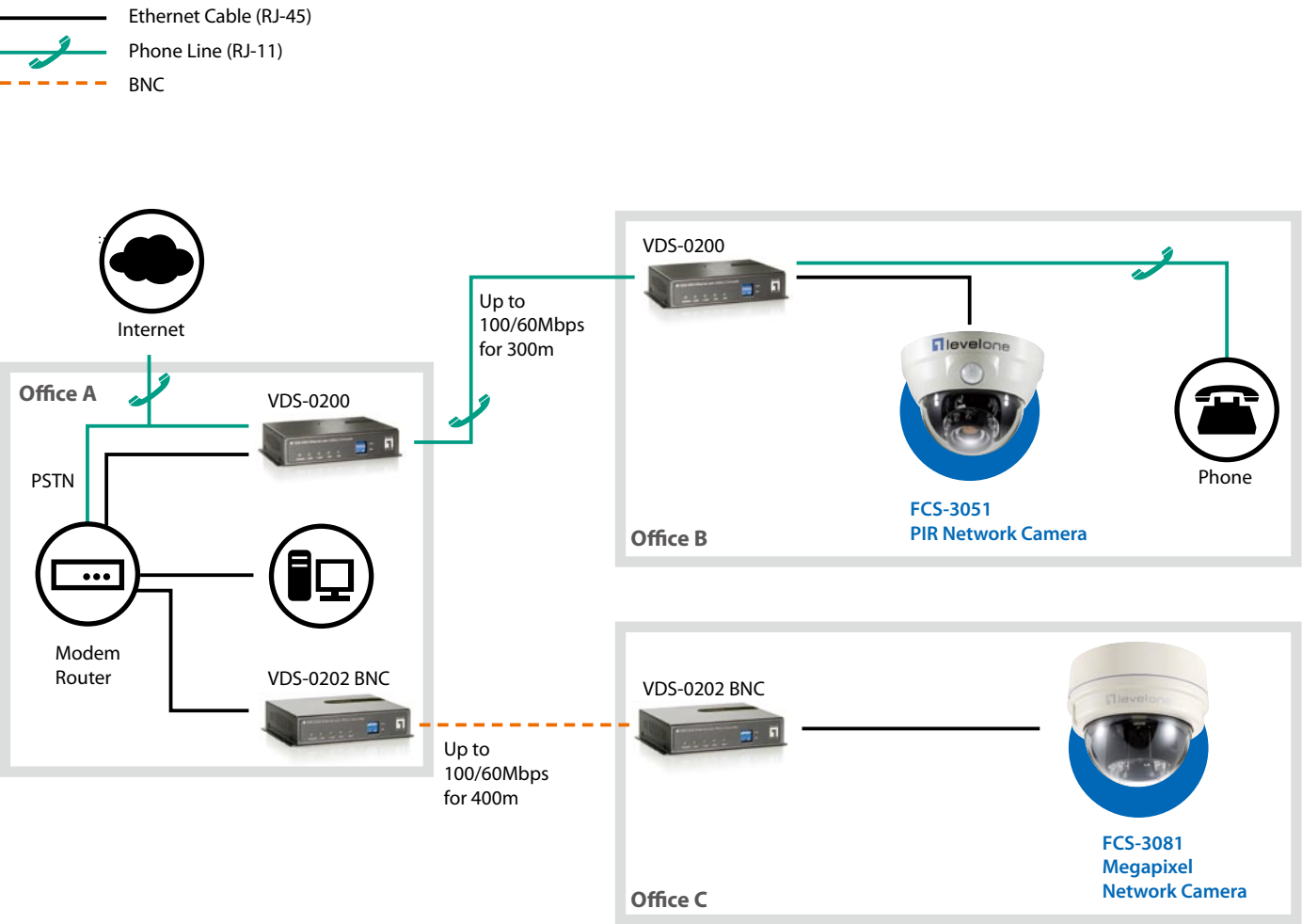


POS-3000
5-12V DC Gigabit PoE Plus Splitter

- IEEE 802.3 af/at compliance
- Supplies power up to 25W
- Network devices at Gigabit speeds all within a compact device
- Automatically detects PoE terminals and supplies inline power
- Safeguards network device with short circuit protection
- Adjustable output DIP switch for 5V, 9V, and 12V adjustable output
- Provides swappable power connectors

Surveillance Deployment through Ethernet over 2-Wire/Coaxial

This technology allows system installers to use prevalent copper wiring (RJ-11 or BNC connections) to create fast and flexible networks. All converters are plug-and-play with no software configuration needed.

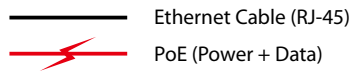


VDSL2 Media Converters

<div><div>VDS-0200</div><div>VDS-0201</div></div> <div>VDS-0200/0201 Ethernet over VDSL2 Converter (Annex A/B)</div> <div><ul style="list-style-type: none">- Supports the Ethernet connection up to 2km over single pair copper wire (telephone line)- Provides 100Mbps downstream and 60Mbps upstream over 300m- Selectable fixed data rate and fixed SNR margin- 4 Dip Switches for Configuration Settings- Low-Latency for Video/Voice/Data applications</div>	<div><div>VDS-0202</div></div> <div>VDS-0202 Ethernet over VDSL2 Converter (BNC)</div> <div><ul style="list-style-type: none">- Supports the Ethernet connection up to 2km over coaxial cable- Provides 100Mbps downstream and 60Mbps upstream over 400m- Selectable fixed data rate and fixed SNR margin- 4 Dip Switches for Configuration Settings- Low-Latency for Video/Voice/Data applications</div>	<div><div>VDS-0120</div></div> <div>VDS-0120 Ethernet over VDSL2 Converter (PSE)</div> <div><ul style="list-style-type: none">- Compliance with IEEE802.3, IEEE802.3u and VDSL/VDSL2- Provides one dip switch for mode configuration- Low-Latency for Video/Voice/Data Applications- 802.3af PoE PSE compatible- Provides 100Mbps downstream and 60Mbps upstream over 300m- Supports VDSL2 connection up to 2000m</div>	<div><div>VDS-0130</div></div> <div>VDS-0130 Ethernet over VDSL2 Converter (PD)</div> <div><ul style="list-style-type: none">- Compliance with IEEE802.3, IEEE802.3u and VDSL/VDSL2- Provides one dip switch for mode configuration- Low-Latency for Video/Voice/Data Applications- 802.3af PoE PD compatible- Provides 100Mbps downstream and 60Mbps upstream over 300m- Supports VDSL2 connection up to 2000m</div>
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Surveillance Deployment through Mobile

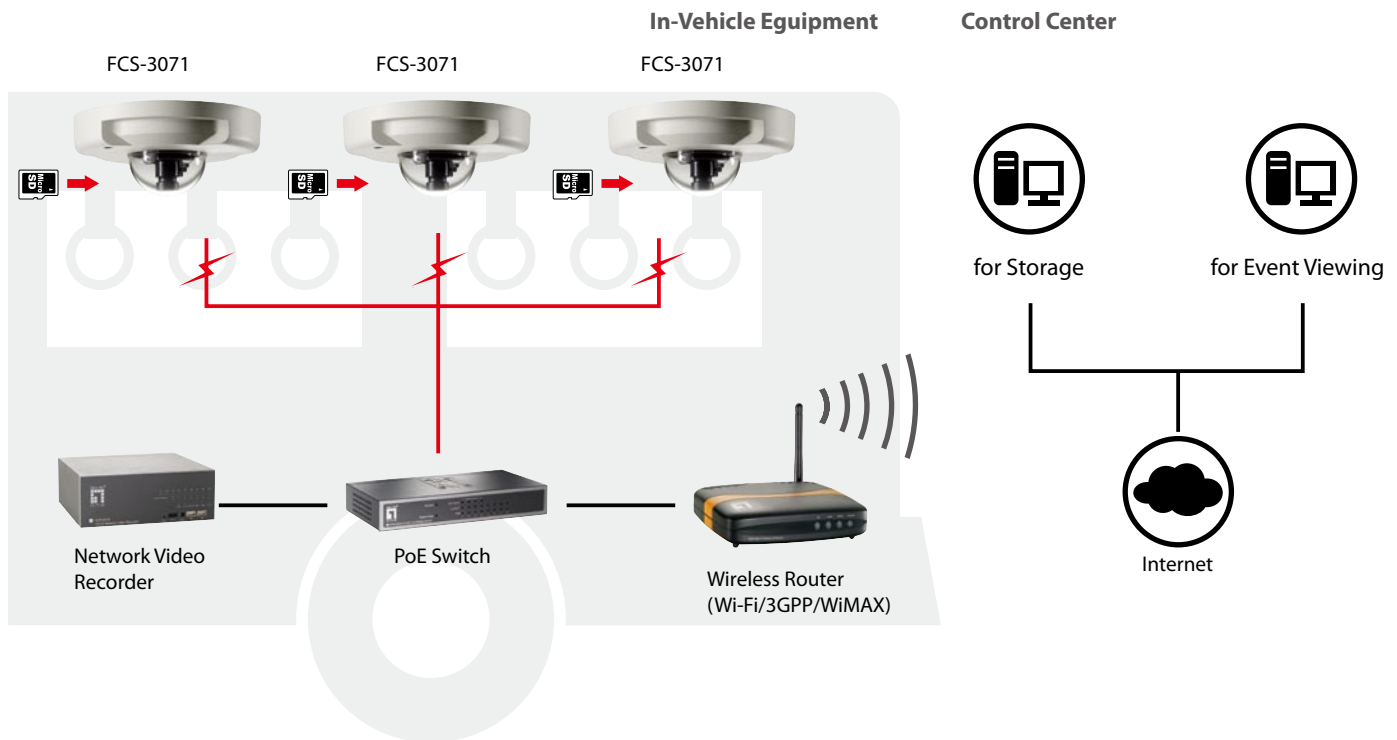
The FCS-3071 is features shockproof and weatherproof IP66 housing, specially designed for rolling stock applications, such as buses, ambulance services or trains. With PoE switch, it allows FCS-3071 to be operated and powered from a single Ethernet cable. Network Video Recorder offers a complete recoding solution directly connects to 3G router for real-time monitoring, video recording and playback. The FCS-3071 is also complete with a Micro SD/SDHC card slot for local recording.



Free 64-CH Surveillance Management Software



Central Room Monitoring



Mobile Surveillance Solution



FCS-3071
2-Megapixel PoE Dome Network Camera

- 1/2.7" Progressive CMOS 2-Megapixel, 1920 x 1080
- H.264 and MJPEG compression
- Shockproof for Rolling Stock Applications
- 802.3af PoE compliant for easy network deployment
- Single power support: PoE (802.3af) (refer to page 6)

NVR-0216



NVR-0204/NVR-0208/NVR-0216
4/8/16-CH Network Video Recorder

- Compression: MJPEG/MPEG4/H.264
- Gigabit Ethernet (1000Mbps)
- Auto-Detect to network cameras for video recording and playback
- Two 3.5 inch disk slots (SATA/II) (refer to page 17)

FSW-0809



FSW-0822



FSW-0809/FSW-0822
4 FE PoE + 4 FE Switch

- Provides 8-Port 10/100Mbps Ethernet Switch with 4 shared PoE ports
- Fully compliant with the IEEE802.3af PoE standard
- Supports over current and circuit shorting protection
- Total Power Budget 30W (FSW-0809)/61.6W (FSW-0822)
- Internal power adapter (FSW-0822)

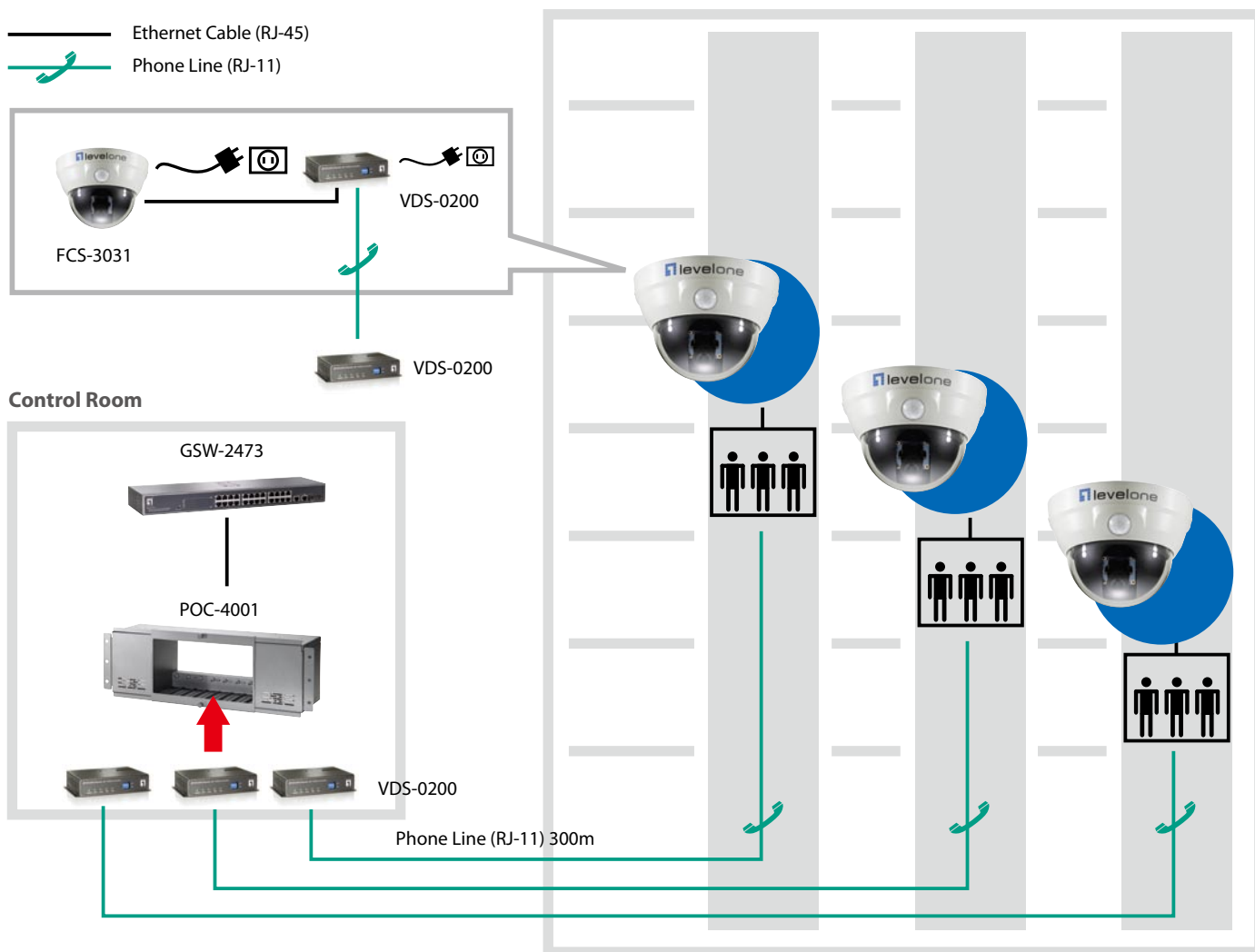


WBR-6800
150Mbps N Wireless 3G Router



- Provides 10/100Mbps RJ-45 or 3G (USB) WAN interface
- Auto-Fallback to ensure always-on connectivity
- Compatible with IEEE 802.11b/g/n wireless standards
- Features Built-In VPN pass-through, UPnP and Advanced DDNS Services
- Concurrent NAT sessions up to 12,000

Surveillance Deployment through Elevator

Elevator Monitoring System becomes an increasing security issue, to ensure elevators efficiency and safety. The Dome Network Camera FCS-3031/FCS-3051 features 2-way audio, for having a 2-way communication when passengers are under abnormal circumstance. The built-in PIR motion detection sensor will detect and start recording automatically once passengers are entering. By working with the LevelOne VDSL2 Converters, which send data using existing telephone lines (RJ-11), administrators now are able to manage and control from a central control room.

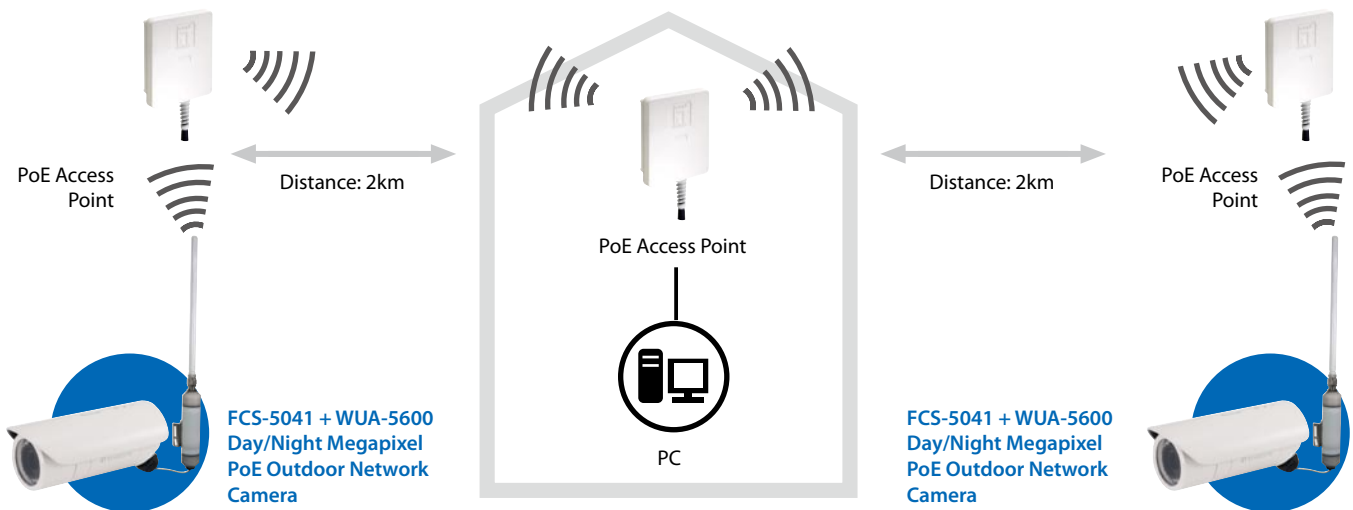


Elevator Surveillance Solution

 <p>FCS-3031 PoE PIR Dome Network Camera</p> <ul style="list-style-type: none"> - 1/4" Progressive CMOS, 640 x 480 - MPEG4 and MJPEG compression - Provides Passive Infrared (PIR) sensor - Supports analog output (NTSC/PAL) for installation purpose 	 <p>FCS-3051 Day/Night PoE PIR Dome Network Camera</p> <ul style="list-style-type: none"> - 1/4" Progressive CMOS, 640 x 480 - MPEG4 and MJPEG compression - Provides Passive Infrared (PIR) sensor - Supports analog output (NTSC/PAL) for installation purpose - Built-in 5m Infrared LED for day and night viewing 	 <p>VDS-0200/VDS-0201 Ethernet over VDSL2 Converter (Annex A/B)</p> <ul style="list-style-type: none"> - Supports the Ethernet connection up to 2km over single pair copper wire (telephone line) - Provides 100Mbps downstream and 60Mbps upstream over 300m - Selectable fixed data rate and fixed SNR margin - 4-dip switches for configuration setting - Low-Latency for Video/Voice/Data Applications 	 <p>POC-4001 8-Bay Media Converter Chassis</p> <ul style="list-style-type: none"> - Accommodates up to 8 VDS-0200/0201/0202 product - 19" 4U Chassis mountable - Plug-and-play for easy system expansions - 2 DC electric fans for thermal ventilation - 250V 2A Fuse Protection
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The surveillance of public places gives a sense of security for the community

By combining the LevelOne outdoor PoE Access Points (AP) with LevelOne FCS-5041 + WUA-5600 (High power outdoor USB adapter with 7dBi antenna), large areas such as streets, stadiums, shopping centers, warehouses and communities can now be efficiently monitored from a central control room. In addition to this you can also get remote control access via wireless Internet access.



Outdoor Wireless Access Points



WAB-3001
54Mbps 11b/g Outdoor PoE AP with Built-In 9dBi Antenna

- Integrated a 9 dBi directional antenna
- Point-to-point and point-to-multipoint
- SNMP remote configuration
- Optional Hi-Power RF transmission for long distance applications
- 802.3af compliance
- PoE injector and mounting kits included
- IP66 weatherproof design



WAB-3002
54Mbps 11b/g Outdoor PoE AP

- Point-to-point and point-to-multipoint
- SNMP remote configuration
- Optional Hi-Power RF transmission for long distance applications
- 802.3af compliance
- PoE injector and mounting kits included
- IP66 weatherproof design



WAB-7000
54Mbps 11a/b/g Outdoor PoE AP

- Complies with IEEE 802.11a/b/g standards operating on 2.4GHz or 5GHz
- Point-to-point and point-to-multi point topology applications low interference, no overlapped channels
- 802.3af compliance
- PoE injector and mounting kits included
- IP66 weatherproof design



WAB-7400
54Mbps 11a/b/g Dual Radio Outdoor PoE Mesh AP

- IEEE 802.11a/b/g standards operates both 2.4 GHz/5 GHz at same time
- Mesh network provides self configuration and healing
- Advanced OLSR (Optimal Link State Routing) protocols
- 802.3af compliance
- PoE injector and mounting kits included
- IP65 weather proof design

Antennas



OAN-2090
9dBi Omni-Directional Outdoor Antenna Kit

- For IEEE 802.11 b/g application in 2.4GHz frequency range
- Surge protector included to avoid lightning damage
- Omni-directional operation provides extended point-to-multi-point coverage
- Standard N-jack connector
- 3m cable, with standard N-plug and RP-SMA plug



OAN-2151
15dBi Omni-Directional Outdoor Antenna

- For IEEE 802.11b/g/n wireless applications in 2.4G
- 15dBi Omni-Directional, provides for extended wireless network coverage
- Lightweight and all-weather operation
- Outdoor antenna for public hot-spots, Wi-Fi and RFID applications
- Includes a U-Bolt mounting bracket



WAN-2181
18dBi Directional Panel Outdoor Antenna

- For IEEE 802.11b/g/n wireless applications in 2.4G
- 18dBi Directional and multi-point operation
- Lightweight and all-weather operation
- Outdoor antenna for public hot-spots, Wi-Fi and RFID applications
- DC short and lightning protection
- Includes tilt and swivel mast mount brackets
- Vertical/horizontal angle: 17°/17°



WAN-7100
10.5dBi Directional Dual-Polarization Patch Antenna Kit

- Compatible with 802.11b/g/n wireless standard
- Dual-polarization to avoid interference
- Easy to install on the wall surface
- Wideband frequency performance enables future growth and increases flexibility
- Includes 3m cables for wireless device with SMA connectors
- Works with LevelOne 11n Access Point and Router

Keep an eye on your home while away



A Complete Home Surveillance System

Easy Installation - Detect and configure all compatible LevelOne Network Cameras automatically

Remote Monitoring - View, control and playback video over the Internet through the Level1DNS™ service using a Web browser or any 3G mobile device

Network Recording - Record and playback video and snapshots on the Network Storage Drive FNS-1020 (H/W: V2.0)

HomeGuard22 Router

WBR-6022

300Mbps Wireless
HomeGuard22 Router

- Auto configure attached LevelOne Cameras
- Supports 4 network cameras and 2 storage drives
- Built-in Level1DNS™ engine for remote viewing
- LevelOne Green power-saving features



Compatible LevelOne Network Cameras



FCS-3021
PoE Dome
Network
Camera



FCS-0020
WCS-0020
Wired/Wireless
P/T Network
Camera



FCS-0010
WCS-0010
Wired/Wireless
Network Camera



FCS-1060
WCS-2060
Wired/Wireless
P/T Network
Camera



FCS-0030
WCS-0030
Wired/Wireless
Megapixel PIR
Lighting IP
Camera



FCS-1030
WCS-2030
Wired/Wireless
Network Camera

Network Storage Drive

FNS-1020 (H/W: V2.0)

1-Bay Simple Network Storage

- Auto connect to HomeGuard22 for image recording and playback
- Share files between computers
- Supports 3.5" SATA or IDE disk drive
- Built-in server for download and sharing over the Internet



Free Bundled 64-CH IP CamSecure Surveillance Management Software

All LevelOne network cameras come with free bundled software providing a large range of comprehensive features. Users are able to monitor up to 64 channels simultaneously over the Internet or via 3G Mobile phone.



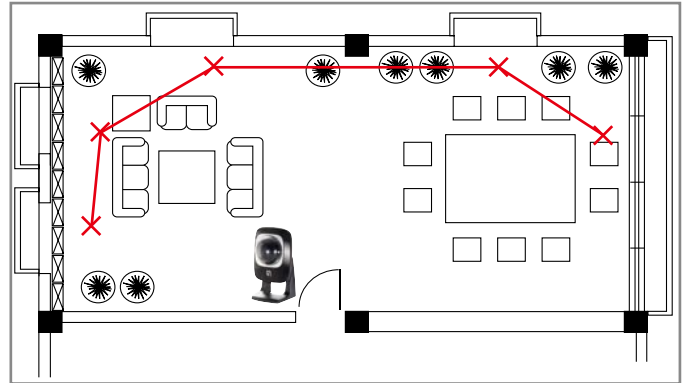
Remote Access/Live View

Able to broadcast live images to your handheld mobile phone or PDA and supports 3GPP/RSTP format via a 3G mobile phone.



Pan/Tilt

Features a Micro Stepping Motor for precision pan and tilt control from a local console or remotely via the Internet. With enhanced MPEG4 and MJPEG video compression, users can enjoy high quality imagery that requires minimum bandwidth. The camera also supports bi-directional audio communication.



Motion Detection and E-mail Alerts

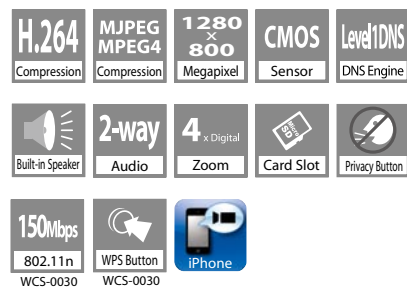
Users can set up 4 motion-detection regions with the LevelOne network cameras, each with adjustable size and sensitivity. When motion is detected at the specified regions, the system can send an E-mail alert or send captured images via FTP upload to a designated storage server.



Feel Safe Anywhere!

With LevelOne IP cameras you can see live pictures directly on a mobile phone (PDA, SmartPhone). This is possible by transferring audio/video streams over the Internet (if your provider supports RTSP). If you have access to the Internet (WLAN or UMTS/3G), you can use this feature!

Megapixel Network Cameras



FCS-0030 / WCS-0030 Wired/Wireless Megapixel PIR Lighting Network Camera

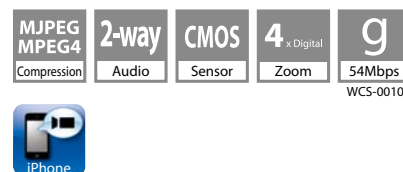
- 1/4" Progressive CMOS Megapixel, 1280 x 800
- H.264, MPEG4 and MJPEG compression
- Remote access with Level1DNS™ service
- Built-in PIR sensor for human temperature detection
- Built-in white LED for low lux
- Built-in microphone and speaker
- Micro SD/SDHC memory card slot for local storage
- Simple audio/video on/off with one-push Privacy Button
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- With 802.11n wireless standard, 150Mbps (WCS-0030)



FCS-0040 / WCS-0040 Wired/Wireless 1.3-Megapixel Network Camera

- 1/5" Progressive CMOS 1.3-Megapixel, 1280 x 960
- H.264, MPEG4 and MJPEG compression
- Supports multiple streams simultaneously
- Built-in microphone and an audio out jack for bi-directional audio
- Up to 10 viewers simultaneously
- Supports 16x digital zoom and ePTZ for data efficiency
- Supports motion/audio detection and event notification via E-mail, FTP and HTTP
- Supports 2-in-1 WPS and reset button (WCS-0040)
- 1 external and 1 internal antenna with 2T/2R MIMO technology for wireless data rates of up to 300Mbps (WCS-0040)

Network Cameras



FCS-0010 / WCS-0010 Wired/Wireless Network Camera

- 1/6" Progressive CMOS, 640 x 480
- MPEG4 and MJPEG compression
- Supports triple streams simultaneously
- Up to 30 frames per second in full VGA resolution
- 2-way audio: Built-in microphone and audio in/out jacks
- Features motion detection and event notification via E-mail or FTP
- Supports UPnP for Easy set-up and installation
- Supports DDNS for dynamic IP
- Easily mounts on the wall
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- 802.11b/g wireless connection with WEP & WPA-PSK (WCS-0010)



2-way Communication

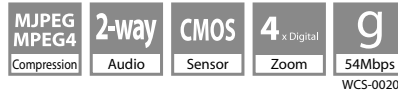
A built-in microphone and speaker allows 2 way communication which allows you to communicate interactively with people at camera location.

P/T Network Cameras



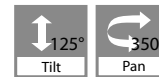
FCS-1030 / WCS-2030
Wired/Wireless Network Camera

- 1/4" Progressive CMOS, 640 x 480
- MPEG4 compression
- Motion detection
- Adjustable network bandwidth
- Event-notification via E-mail
- Optimal synchronization of audio & video
- Supports 3GPP/RTSP (Real-Time Streaming Protocol)
- Supports UPnP for easy set-up and installation
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- 802.11b/g wireless connection with WEP & WPA-PSK (WCS-2030)



FCS-0020 / WCS-0020
Wired/Wireless Pan/Tilt Network Camera

- 1/4" Progressive CMOS, 640 x 480
- MPEG4 and MJPEG compression
- Supports triple streams simultaneously
- Supports 126° Pan, 64° Tilt
- Provides VGA resolution at 30/25 frames per second
- Supports 10-preset monitoring areas with patrol mode
- 2-way audio: Built-in microphone and audio in/out jacks
- UPnP, DDNS, motion detection, and alarm snapshot
- Remote viewing over the Internet or via 3G Mobile phone
- Easily mounts on the wall
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- 802.11b/g wireless connection with WEP & WPA-PSK (WCS-0020)

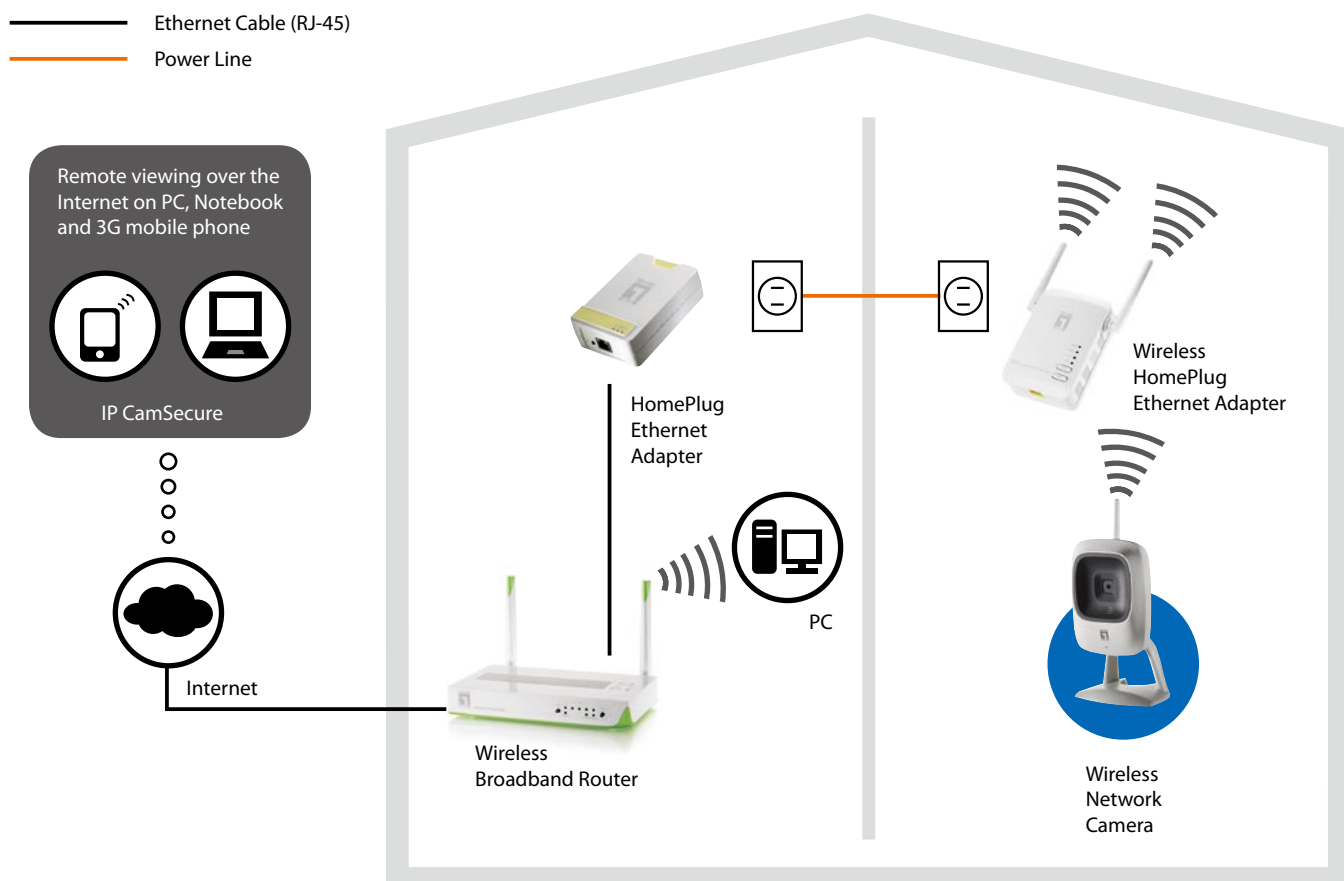


FCS-1060 / WCS-2060
Wired/Wireless Pan/Tilt Network Camera

- 1/4" Progressive CMOS, 640 x 480
- Motorized wide-range Pan/Tilt
- Supports 350° Pan, 125° Tilt
- Supports MPEG4 compression for streaming video and JPEG for still image motion detection
- Supports 20-preset monitoring areas with patrol mode
- Pre/Post alarm snapshots
- Supports UPnP and DDNS
- Works well with WBR-6022 HomeGuard22 (refer to page 34)
- 802.11b/g wireless connection with WEP & WPA-PSK (WCS-2060)

Surveillance Deployment through Powerline Technology

Various LevelOne network products for the home and small office are suitable for a cost-effective and easy to install IP-based Surveillance system. By combining with our HomePlug Bridge, network cameras are placed throughout the house in close proximity to power outlets. A quick to deploy LAN network is created without the need to install Ethernet cabling. The throughput between paired HomePlugs is sufficient for simultaneous Internet sharing and video streaming.



HomePlug Powerline Adapters



PLI-2040x2
200Mbps Powerline Adapter Kit

- Utilize home electric wiring as network infrastructure
- Saves power with LevelOne Green Technology*
- Built-in QoS engine for prioritized audio and video streaming
- Simple plug-and-play installation
- Built-in security push button

* The PLI-2040 will enter sleep/standby mode when there is no Ethernet activities for 3 minutes.



PLI-3410
200Mbps Wireless Powerline Adapter

- Physical data rates of up to 200Mbps over existing electrical wiring
- 2 antennas with 2T/2R MIMO Technology
- Wireless data rates of up to 300Mbps
- Simple wireless security with one-push WPS button
- Auto-channel selection to avoid interference from neighbors
- Bandwidth control with Quality of Service (QoS)



PLI-3210
200Mbps Powerline Adapter with 4 FE Ports

- Send data over your home's existing electrical wiring
- 4-Port Bridge to attach other network devices
- Provides up to 200Mbps data transfer rate
- Auto-discovery function to connect easily to other devices on the network
- Security push button for software free configuration

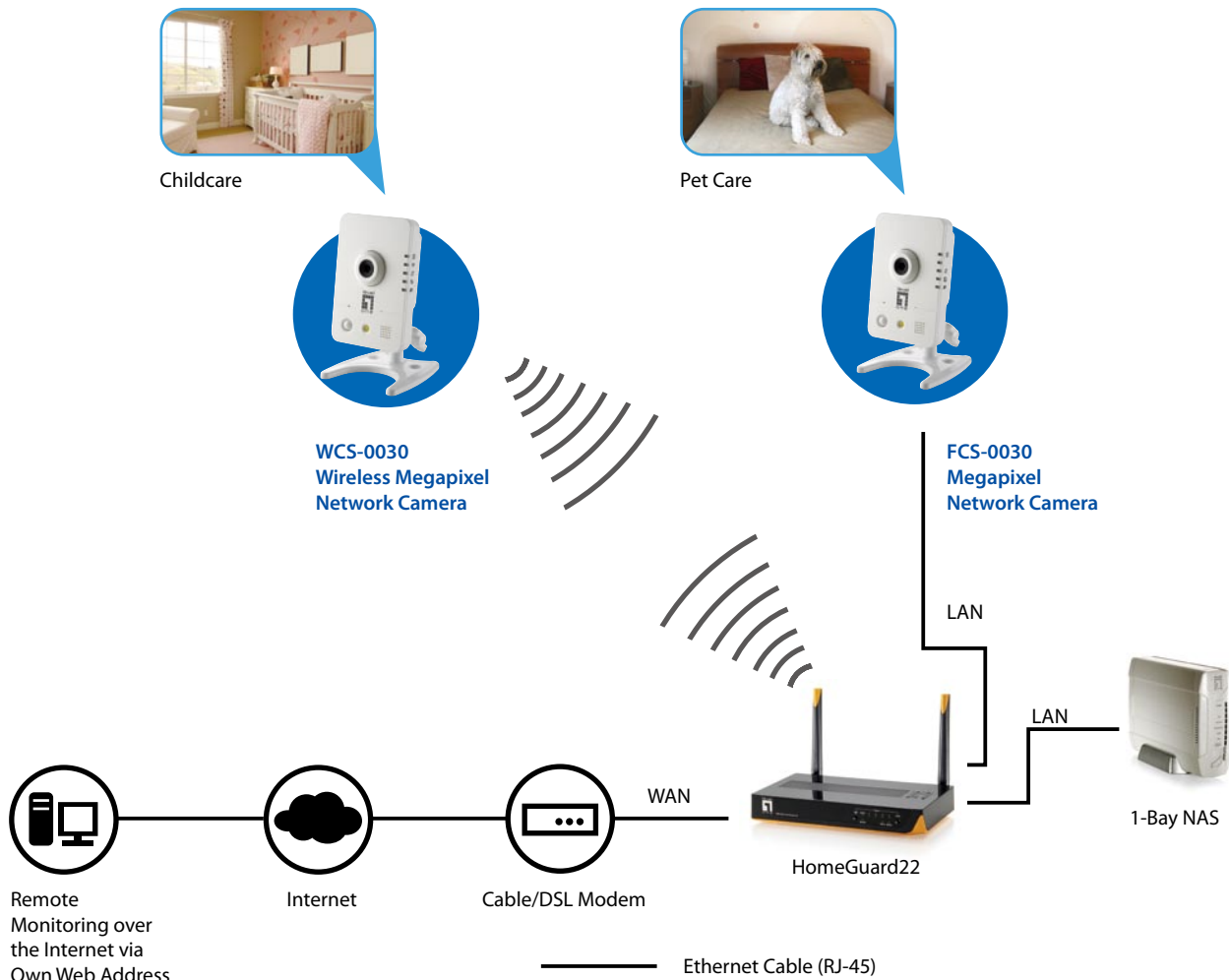


PLI-3310
200Mbps Powerline Adapter with 6-Socket Power Strip and 3 FE Ports

- Send data over your home's existing electrical wiring
- Includes 3-Port Bridge for adding additional network devices and 6 built-in electrical sockets
- Provides up to 200Mbps data transfer rate
- Child safety shutters on each socket
- Security push button for software free configuration

The easiest way to create a surveillance network in your home or office

It used to be that if you wanted to set up a surveillance system you needed deep networking knowledge or had to call a professional installer to get the job done. LevelOne HomeGuard22 (WBR-6022) lets you build and customize a system on your own, quickly and effortlessly, through high-speed 300Mbps 11n wireless data transfer with MIMO technology. All of the technical details (IP address assignment, port-forwarding, etc...) have been done within the router automatically. HomeGuard22 system is also compatible with LevelOne's 1-Bay NAS FNS-1020 (H/W: V2.0) to record and playback video for an extra level of security.



Wireless Router/Network Attached Storage (NAS)



WBR-6022
300Mbps HomeGuard22 Router

- 2 external and 1 internal antennas with 2T/3R MIMO technology, 300Mbps
- Easily create a surveillance network on your own
- View cameras over the Internet via Level1DNS
- Supports up to 4 LevelOne IP Cameras & 2 NAS
- Smart Power-Saving features

Works well with LevelOne Network Cameras:

FCS-0010/0020/0030/1030/1060/1091/1081A/1101/3021; WCS-0010/0020/0030/2030/2060/1090



FNS-1020 (H/W: V2.0)
1-Bay Simple Network Storage

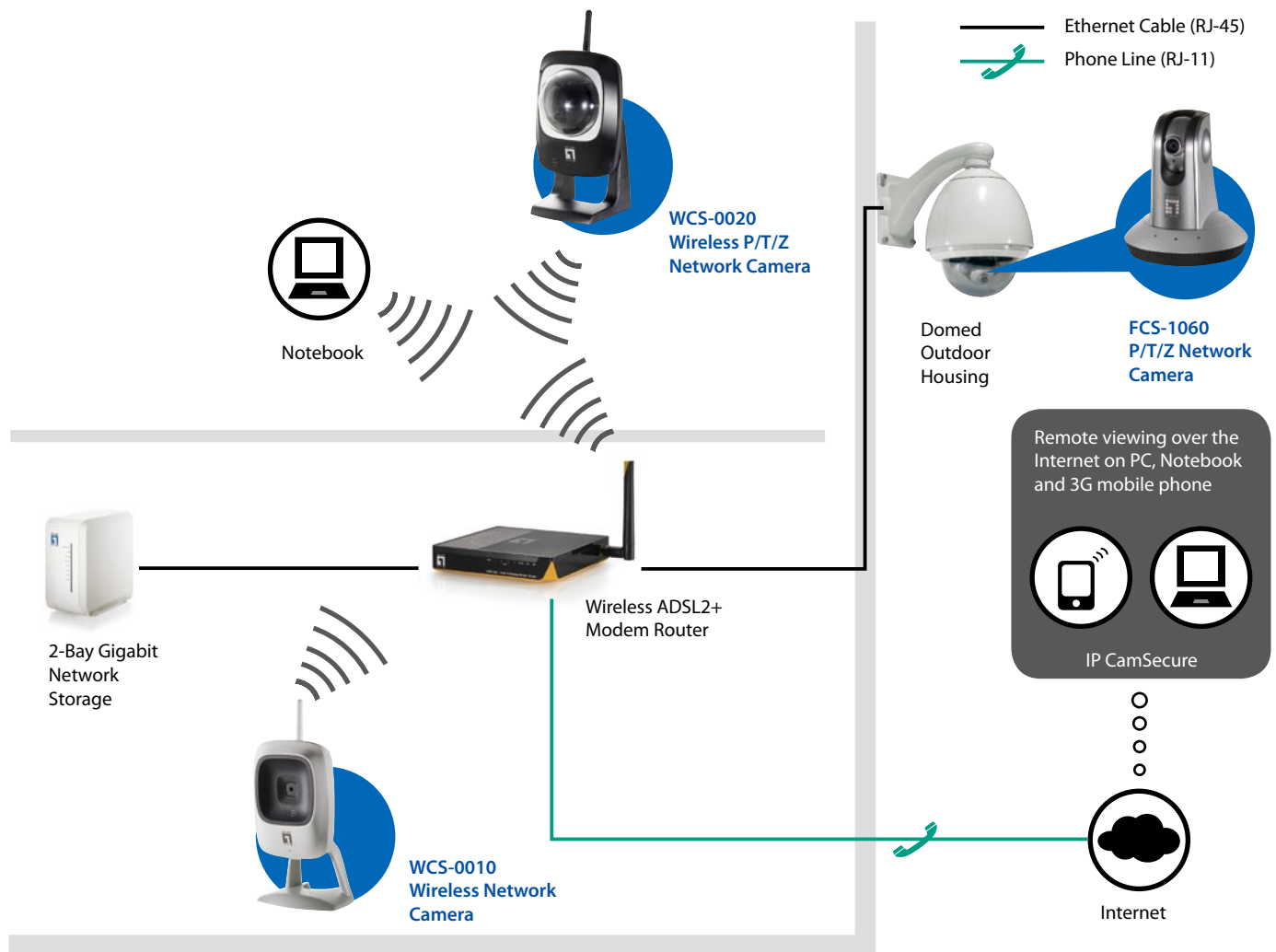
- Share files between computers and over Internet
- Two high speed USB 2.0 ports for extra storage
- Offers 8MB flash memory- works well with WBR-6022 and LevelOne Network Cameras
- Single 3.5 inch SATA or IDE hard disk bay
- Web Interface Configuration and Management
- Auto recording and playback
- Easy to setup and use




Remote viewing over the Internet via Level1DNS™

Surveillance Deployment through Wireless Technology

LevelOne offers a complete system to monitor your home and small office. Combined with the already developed LevelOne network solutions such as network switches, Wireless Modem Router and Network Attached Storage (NAS), users can develop a complete surveillance network for 24/7 monitoring at any location with Internet access.




Wireless Router



WBR-6601
150Mbps Wireless ADSL2+ Modem Router

- High-speed broadband connection with ADSL2+
- Compliant with 802.11b/g/n standards, 150Mbps
- Integrated 4-Port Ethernet Switch
- Control your bandwidth with Quality of Service (QoS)
- Supports Wi-Fi Protected Setup (WPS) technology






WBR-6020
300Mbps Wireless Router

- 2 external and 1 internal antennas with 2T/3R MIMO Technology
- Compliant with 802.11b/g/n standards, wireless data rates of up to 300Mbps
- Simple security control with WPS push button
- Saves power with LevelOne Green Technology



(refer to page 12)

Business Network Camera Series





		Megapixel Dome Network Cameras		
	Models	FCS-3081	FCS-3061	FCS-3071
Description	Product Image			
	Name	Day/Night 2-Megapixel PoE Dome Network Camera	Day/Night Megapixel PoE Dome Network Camera	2-Megapixel PoE Dome Network Camera
Network	LAN Connection	10/100Mbps	10/100Mbps	10/100Mbps
	Wireless	-	-	-
	PoE	■	■	■
Video Spec	Compression	H.264 / MJPEG	H.264 / MJPEG / MPEG4	H.264 / MJPEG
	Max. Resolution/ Frame Rate	640x480: 30fps 1280x720: 30fps 1920x1080: 15fps	640x400: 30 fps 1280x800: 30 fps	352x288:30/25 fps 720x480: 30/25 fps 1280x720: 30/25 fps 1920x1080: 12.5/15 fps
Camera Spec	Sensor	1/2.5" Progressive CMOS 2-Megapixel	1/4" Progressive CMOS Megapixel	1/2.7" Progressive CMOS 2-Megapixel
	Lens	3.3~12 mm/F 1.4	3.3~12mm/F1.6	4mm/F1.5
	Minimum Illumination	0.2 Lux / F1.4	1 Lux/0 Lux (IR LEDs on)	0.2 Lux/F1.2
	Shutter (sec)	1~ 1/10000	1/30~1/20,640	1~ 1/10,000
	AGC/AWB/AES	■	■	■
	Infrared LED	■ (20m)	■ (15m)	-
	IR Cut Filter	■	■	-
Audio Spec	Audio Codec	G.711 / G.726	G.711 /AMR	G.711/G.726
	2-Way Audio	■	■	-
P/T/Z Support	Pan	-	-	-
	Tilt	-	-	-
	Zoom	Digital: 16x	Digital: 4x	Digital: 16x
Memory	Flash ROM	128MB	16MB	128MB
	SDRAM	128MB	64MB	128MB
	Card Slot	Micro SD	-	Micro SD
Viewing System	DDNS Support	■	■ (Level1 DNS™)	■
	Cell Phone	3GPP/ RTSP	3GPP/ RTSP	3GPP/ RTSP
	Web Browser	IE/Safari (Mac/iOS) ¹ /Firefox ¹	IE/Safari (Mac/iOS)/Firefox	IE/Safari (Mac/iOS) ¹ /Firefox ¹
Software	Free Bundled Management Software	64-Channel	64-Channel	64-Channel
Alarm	Digital I/O	1DI / 1DO	1DI/1DO	1DI / 1DO

■=Yes - =No

1. View your camera by http://camera_IP_Add:8008
2. View your camera by http://camera_IP_Add/img/mjpeg.htm
3. Java and QuickTime is required

Digital Surveillance Product Comparison Chart

Business Network Camera Series

		P/T/Z Network Cameras		Dome Network Cameras	
	Models	FCS-1040	WCS-2040	FCS-3021	FCS-3031
Description	Product Image				
	Name	P/T/Z Network Camera	Wireless P/T/Z Network Camera	PoE Dome Network Camera	PoE PIR Dome Network Camera
Network	LAN Connection	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
	Wireless	-	802.11b/g	-	-
	PoE	-	-	■	■
Video Spec	Compression	MPEG4 / MJPEG	MPEG4 / MJPEG	MPEG4 / MJPEG	MPEG4 / MJPEG
	Max. Resolution/ Frame Rate	176x120: 30/25fps 352x240: 30/25fps 704x480: 15fps (NTSC) 704x576: 12fps (PAL)	176x120: 30/25fps 352x240: 30/25fps 704x480: 15fps (NTSC) 704x576: 12fps (PAL)	176x144: 30/25fps 320x240: 30/25fps 640x480: 30/25fps	160x120: 30/25 fps 320x240: 30/25 fps 640x480: 30/25 fps
Camera Spec	Sensor	1/4" CCD	1/4" CCD	1/4" Progressive CMOS	1/4" Progressive CMOS
	Lens	4.2~42mm / F1.8~2.9	4.2~42mm / F1.8~2.9	3~6mm / F1.2~1.5	4.57mm/F2.0
	Minimum Illumination	0.05 Lux / F1.8	0.05 Lux / F1.8	1.5 Lux/F2.0	0.5 Lux/F2.0
	Shutter (sec)	1/60~1/10,000(NTSC) 1/50~1/10,000(PAL)	1/60~1/10,000(NTSC) 1/50~1/10,000(PAL)	1/60~1/15,000	1/30~1/14,400
	AGC/AWB/AES	■	■	■	■
	Infrared LED	-	-	-	-
	IR Cut Filter	-	-	-	-
Audio Spec	Audio Codec	8/24/32kbps Full-Duplex	8/24/32kbps Full-Duplex	Algorithm GSM-AMR/ MPEG4 AAC	G.711/G.726
	2-Way Audio	■	■	■	■
P/T/Z Support	Pan	270°	300°	-	-
	Tilt	135°	135°	-	-
	Zoom	Optical: 10x Digital: 10x	Optical: 10x Digital: 10x	Digital: 4x	Digital: 4x
Memory	Flash ROM	4MB	4MB	8MB	4MB
	SDRAM	16MB	16MB	64MB	32MB
	Card Slot	-	-	-	-
Viewing System	DDNS Support	■	■	■	■
	Cell Phone	3GPP/ RTSP	3GPP/ RTSP	3GPP/ RTSP	3GPP/ RTSP
	Web Browser	IE	IE	IE / Safari(Mac/iOS) / Firefox	IE / Safari(Mac/iOS) / Firefox
Software	Free Bundled Management Software	64-Channel	64-Channel	64-Channel	64-Channel
Alarm	Digital I/O	1DI / 1DO	1DI / 1DO	1DI / 1DO	1DI / 1DO





■=Yes –=No

1. View your camera by http://camera_IP_Add:8008
2. View your camera by http://camera_IP_Add/img/mjpeg.htm
3. Java and QuickTime is required

Dome Network Cameras		Megapixel Box Type Network Cameras			
FCS-3051	FCS-4400	FCS-1121	FCS-1131	FCS-1141	FCS-1151
					
Day/Night PoE PIR Dome Network Camera	P/T/Z Speed Dome Network Camera (26x)	Megapixel PoE Network Camera	2-Megapixel PoE Network Camera	1.3-Megapixel PoE Network Camera	2-Megapixel PoE Network Camera
10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
-	-	-	-	-	-
■	-	■	■	■	■
MPEG4 / MJPEG	MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG
160x120: 30/25 fps 320x240: 30/25 fps 640x480: 30/25 fps	176x120: 30/25fps 352x240: 30/25fps 704x480: 30/25fps (NTSC) 704x576: 30/25fps (PAL)	320x192: 30/25fps 640x400: 30/25fps 1280x800: 30/25fps	360x240:30/25 fps 720x480: 30/25 fps 1280x720: 30/25 fps 1920x1080: 15/12.5 fps	360x240:30/25 fps 720x480: 30/25 fps 1280x720: 30/25 fps 1280x960: 15/12.5 fps	800x600: 30/25 fps 1280x720: 30/25 fps 1600x1200: 15/12.5 fps
1/4" Progressive CMOS	1/4" Exview HAD CCD	1/4" Progressive CMOS Megapixel	1/2.7" Progressive CMOS 2-Megapixel	1/3" WDR Sony Progressive CCD 1.3-Megapixel	1/3.2" Progressive CMOS Megapixel
3.3~12mm/F1.4~2.9	4.0~72mm / F1.4~3.0	4.2mm/F1.8	4mm/F1.5	4mm/F1.5	4.2mm/F1.8
0 Lux/F1.4 (IR LEDs on)	1.4 Lux/F1.6(Color) 0.01 Lux/F1.6(monochrome)	1 Lux/F1.8	0.2 Lux/F1.2	0.03 Lux/F1.2 (Color) 0.001 Lux/F1.2 (monochrome)	0.1 Lux/F 1.2
1/30~1/14,400	1/1~1/10,000	1/30~1/20,640	1~1/10,000	1~1/10,000	1/5~1/40,000
■	■	■	■	■	■
■ (5m)	-	-	-	-	-
■	■	■	■	■	■
G.711/G.726	G.711 PCM 64 Kbits	G.711 /AMR	G.711/G.726	G.711/G.726	GSM-AMG/MPEG4 AAC/G.711
■	■	■	■	■	■
-	360° continuous	-	-	-	-
-	90°	-	-	-	-
Digital: 4x	Optical: 26x Digital: 12x	Digital: 4x	Digital: 16x	Digital: 16x	Digital: 4x
4MB	8MB	16MB	128MB	32MB	128MB
32MB	64MB	64MB	128MB	128MB	256MB
-	-	SD	Micro SD	Micro SD	SD
■	■	■ (Level1 DNS™)	■	■	■
3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP
IE/Safari (Mac/iOS)/Firefox	IE	IE/Safari (Mac/iOS)/Firefox	IE/Safari (Mac/iOS) ¹ /Firefox ¹	IE/Safari (Mac/iOS) ¹ /Firefox ¹	IE/Safari (Mac/iOS)/Firefox
64-Channel	64-Channel	64-Channel	64-Channel	64-Channel	64-Channel
1DI / 1DO	4DI / 1DO	1DI/1DO	1DI/1DO	1DI/1DO	1DI/1DO

Digital Surveillance Product Comparison Chart

Business Network Camera Series

		Box Type Network Cameras			Megapixel Outdoor
	Models	FCS-1091/WCS-1090	FCS-1070/WCS-2070	FCS-1101	FCS-5041
Description	Product Image				
	Name	PoE/Wireless Network Camera	Wired/Wireless Day/Night Network Camera	PoE Network Camera	Day/Night Megapixel PoE Outdoor Network Camera
Network	LAN Connection	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
	Wireless	802.11b/g (WCS-1090)	802.11b/g (WCS-2070)	-	- (Optional)
	PoE	■ (FCS-1090)	-	■	■
Video Spec	Compression	MPEG4 / MJPEG	MPEG4 / MJPEG	MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG
	Max. Resolution/ Frame Rate	160x120: 30/25fps 320x240: 30/25fps 640x480: 30/25fps	176x120:30/25fps 352x240:30/25fps 704x480: 15fps (NTSC) 704x576: 12fps (PAL)	176x120: 30/25fps 320x240: 30/25fps 704x480: 30fps (NTSC) 704x576: 25fps (PAL)	320x192: 30/25fps 640x400: 30/25fps 1280x800: 30/25fps
Camera Spec	Sensor	1/4" Sony ICX098BQ CCD	1/3" CCD	1/3" CCD	1/4" Progressive CMOS Megapixel
	Lens	6mm / F1.6	6.0mm / F2.0	6mm / F1.6	3.3~12mm/F1.4
	Minimum Illumination	0.5 Lux / F1.6	0 Lux (IR LEDs on)	0.1 Lux / F1.6	0 Lux / F1.4 (IR LED on)
	Shutter (sec)	1/30~1/26,406	1/60~1/100,000(NTSC) 1/50~1/100,000(PAL)	1/60~1/100,000(NTSC) 1/50~1/100,000(PAL)	1/30~1/15,000
	AGC/AWB/AES	■	■	■	■
	Infrared LED	-	■ (10m)	-	■ (15m)
	IR Cut Filter	■	■	-	■
Audio Spec	Audio Codec	G.726/G7.11	8/24/32Kbps Full-Duplex	G.711 PCM 64 Kbits	G.711/AMR
	2-Way Audio	■	■	■	■
P/T/Z Support	Pan	-	-	-	-
	Tilt	-	-	-	-
	Zoom	Digital: 4x	Digital: 4x	Digital: 10x	Optical: 4x Digital: 4x
Memory	Flash ROM	4MB	4MB	8MB	16 MB
	SDRAM	32MB	16MB	64MB	64MB
	Card Slot	-	-	-	USB FLASH
Viewing System	DDNS Support	■	■	■	■ (Level1 DNS™)
	Cell Phone	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP
	Web Browser	IE/Safari (Mac/iOS)/Firefox	IE	IE	IE/Safari (Mac/iOS)/Firefox
Software	Free Bundled Management Software	64-Channel	64-Channel	64-Channel	64-Channel
Alarm	Digital I/O	2 DI / 2 DO	1DI / 1DO	-	1DI / 1DO





■=Yes - =No

1. View your camera by http://camera_IP_Add:8008
2. View your camera by http://camera_IP_Add/img/mjpeg.htm
3. Java and QuickTime is required

Network Camera	Outdoor Network Camera			
FCS-5051	FCS-5011	FCS-5030	FCS-4010	FCS-4020
				
Day/Night 2-Megapixel PoE Outdoor Network Camera	Day/Night PoE Outdoor Network Camera	Day/Night Outdoor Network Camera	Speed Dome Pro Outdoor Network Camera (18x)	Speed Dome Pro Outdoor Network Camera (35x)
10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
-	-	-	-	-
■	■	-	-	-
H.264 / MJPEG	MPEG4 / MJPEG	MPEG4 / MJPEG	MPEG4 / MJPEG	MPEG4 / MJPEG
720x480: 30/25 fps 1280x720: 30/25 fps 1920x1080: 15/12.5 fps	176x144: 30/25fps 352x240: 30/25fps 720x480: 30/25fps	176x120: 30/25fps 352x240: 30/25fps 704x480: 30fps (NTSC) 704x576: 25fps (PAL)	176x144: 30/25fps 320x240: 30/25fps 640x480: 30/25fps	176x120: 30/25 fps 352x240: 30/25 fps 704x480: 30fps(NTSC) 704x576: 25fps(PAL)
1/2.7" Progressive CMOS 2-Megapixel	1/3.3" WDR Progressive CMOS	1/3" Sony CCD	1/4" Sony Progressive CCD	1/4" Sony EXview HAD CCD
6.0 mm / F 1.6	3.3~12mm/F1.4	8mm / F2.0	4.1~73.8mm/F1.4~F3.0	3.4 ~ 119mm/F1.4~F4.2
0 Lux / F1.6 (IR LED on)	0.68 Lux/F1.4; 0 Lux (IR LEDs on)	0 Lux (IR LEDs on)	1.61 Lux/F1.4 (Color); 0.38 Lux/F1.4 (monochrome)	0.05 Lux / F1.4 (Color) 0.01 Lux / F1.4 (monochrome)
1~1/10,000	1/30~1/15,000	1/60~1/100,000(NTSC) 1/50~1/100,000(PAL)	1/2~1/10,000	1/2~1/30,000 (NTSC) 1/1.5~1/30,000 (PAL)
■	■	■	■	■
■ (20m)	■ (15m)	■ (30m)	-	-
■	■	■	■	■
G.711/G.726	MPEG4 AAC/GSM-AMR	ACC/GSM-AMR	MPEG4 AAC/GSM-AMR	MPEG4 AAC/GSM-AMR
■	■	■	■	■
-	-	-	360° continuous	360° continuous
-	-	-	90°	90°
Digital: 16x	Digital: 4x	Digital: 4x	Optical:18x Digital: 4x	Optical: 35x Digital: 4x
128MB	8MB	8MB	8MB	8MB
128MB	64MB	64MB	64MB	96MB
Micro SD	-	-	-	SD
■	■	■	■	■
3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP
IE/Safari (Mac/iOS) ¹ /Firefox ¹	IE/Safari (Mac/iOS)/Firefox	IE/Safari (Mac/iOS)/Firefox	IE/Safari (Mac/iOS)/Firefox	IE/Safari (Mac/iOS)/Firefox
64-Channel	64-Channel	64-Channel	64-Channel	64-Channel
1DI / 1DO	1DI / 1DO	1DI / 1DO	4DI / 1DO	4DI/1DO

Digital Surveillance Product Comparison Chart

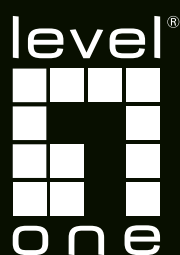
Home and Small Office Network Camera Series

		Megapixel Network Cameras			
	Models	FCS-0030	WCS-0030	FCS-0040	WCS-0040
Description	Product Image				
	Name	Megapixel PIR Lighting Network Camera	Wireless Megapixel PIR Lighting Network Camera	1.3-Megapixel Network Camera	Wireless 1.3-Megapixel Network Camera
Network	LAN Connection	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
	Wireless	-	802.11b/g/n	-	802.11b/g/n
	PoE	-	-	-	-
Video Spec	Compression	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG
	Max. Resolution/ Frame Rate	640x400: 30 fps 1280x800: 30 fps	640x400: 30 fps 1280x800: 30 fps	320x240: 30/25 fps 640x480: 30/25 fps 1280x960: 15/12.5 fps	320x240: 30/25 fps 640x480: 30/25 fps 1280x960: 15/12.5 fps
Camera Spec	Sensor	1/4" Progressive CMOS Megapixel	1/4" Progressive CMOS Megapixel	1/5" Progressive CMOS 1.3-Megapixel	1/5" Progressive CMOS 1.3-Megapixel
	Lens	3.6mm/F2.3	3.6mm/F2.3	2.8mm / F2.8	2.8mm / F2.8
	Minimum Illumination	1 Lux/F2.0; 0 Lux/F2.3 (IR LEDs on)	1 Lux/F2.0; 0 Lux/F2.3 (IR LEDs on)	3 Lux / F2.8	3 Lux / F2.8
	Shutter (sec)	1/30~1/20,640	1/30~1/20,640	1/30~1/14,400	1/30~1/14,400
	AGC/AWB/AES	■	■	■	■
	Infrared LED	White LED	White LED	-	-
	IR Cut Filter	-	-	-	-
Audio Spec	Audio Codec	G.711 /AMR	G.711 /AMR	G.711/G.726	G.711/G.726
	2-Way Audio	■ (built-in speaker)	■ (built-in speaker)	■	■
P/T/Z Support	Pan	-	-	-	-
	Tilt	-	-	-	-
	Zoom	Digital: 4x	Digital: 4x	Digital: 16x	Digital: 16x
Memory	Flash ROM	16MB	16MB	8MB	8MB
	SDRAM	64MB	64MB	128MB	128MB
	Card Slot	Micro SD	Micro SD	-	-
Viewing System	DDNS Support	■ (Level1 DNS™)	■ (Level1 DNS™)	■	■
	Cell Phone	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP
	Web Browser	IE/Safari(Mac/iOS)/Firefox	IE/Safari(Mac/iOS)/Firefox	IE/Safari(Mac ³ /iOS ²)/Firefox ³	IE/Safari(Mac ³ /iOS ²)/Firefox ³
Software	Free Bundled Management Software	64-Channel	64-Channel	64-Channel	64-Channel
Alarm	Digital I/O	-	-	-	-

■=Yes –=No

1. View your camera by http://camera_IP_Add:8008
2. View your camera by http://camera_IP_Add/img/mjpeg.htm
3. Java and QuickTime is required

Megapixel Network Cameras		P/T Network Cameras	
FCS-0010/WCS-0010	FCS-1030/WCS-2030	FCS-0020/WCS-0020	FCS-1060/WCS-2060
			
Wired/Wireless Network Camera	Wired/Wireless Network Camera	Wired/Wireless P/T/Z Network Camera	Wired/Wireless P/T/Z Network Camera
10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
802.11b/g (WCS-0010)	802.11b/g (WCS-2030)	802.11b/g (WCS-0020)	802.11b/g (WCS-2060)
-	-	-	-
MPEG4 / MJPEG	MPEG4	MPEG4 / MJPEG	MPEG4
160x120: 30/25fps 320x240: 30/25fps 640x480: 30/25fps	160x120: 30/25fps 176x144: 30/25fps 320x240: 30/25fps 640x480: 30/25fps	160x120: 30fps/25fps 320x240: 30fps/25fps 640x480: 30fps/25fps	160x120: 30/25fps 176x144: 30/25fps 320x240: 30/25fps 640x480: 30/25fps
1/6" Progressive CMOS	1/4" Progressive CMOS	1/4" Progressive CMOS	1/4" Progressive CMOS
2.8mm / F2.8	4.0mm / F2.0	4.57mm/F2.0	4.0mm / F2.0
3 Lux / F2.8	1.5 Lux / F2.0	1 Lux	1 Lux / F2.0
1/30~1/14,400	1/60 ~ 1/15,000	1/30~1/14,400	1/60~1/15,000
■	■	■	■
-	-	-	-
-	-	-	-
G.726	Algorithm GSM-AMR/MPEG4 AAC	G.726/G.711	GSM-AMR/MPEG4 AAC
■	Microphone Only	■	Microphone Only
-	-	126°	350°
-	-	64°	125°
Digital: 4x	Digital: 4x	Digital: 4x	Digital: 4x
4MB	4MB	4MB	4MB
32MB	32MB	32MB	32MB
-	-	-	-
■	■	■	■
3GPP / RTSP	3GPP / RTSP	3GPP / RTSP	3GPP / RTSP
IE/Safari (Mac/iOS)/Firefox	IE	IE/Safari (Mac/iOS)/Firefox	IE
64-Channel	64-Channel	64-Channel	64-Channel
-	-	-	-



Digital Data Communications Group

www.level1.com

Global Headquarters:

Digital Data Communications GmbH, Germany

Global Offices:

Germany, Taiwan, Australia, Belgium, Brasil, Colombia, Denmark, Greece, India, Italy, Israel, Kenya, the Netherlands, Portugal, Slovenia, Spain, Sweden, U.A.E



2010.12.28