

IP CAMERAS



SHARE THE EPERIENCE

NetCommTM
Broadband Solutions

*NetComm*TM

➤ IP CAMERAS



YOUR EYE, ONLINE ALL THE TIME

Technology developments such as Broadband and the rise of digital have lead to unprecedented demand for networked video solutions.

Networked video is made possible through IP cameras, which allow remote viewing or recording of images from a Web browser anywhere, at any time. IP Cameras use existing IP network infrastructure, which reduces installation time and costs normally associated with the implementation of traditional CCTV surveillance systems.

NetComm is playing a key role in the uptake of networked video surveillance as an alternative to traditional Closed Circuit Television (CCTV) Systems.

A NetComm IP Camera is like any other network device

With its own IP address, a NetComm IP Camera connects directly to a standard network switch or to a wireless network. This enables viewing of real time digital video over the Internet from any location.

NetComm IP Cameras use existing Network (IP) technology

By using existing IP network infrastructure, additional costs related to the installation and deployment of traditional analog CCTV surveillance systems (such as coax cabling, monitors and video recorders) are eliminated. The flexibility of NetComm's IP cameras also makes it economically possible to digitally enable existing analog CCTV systems.

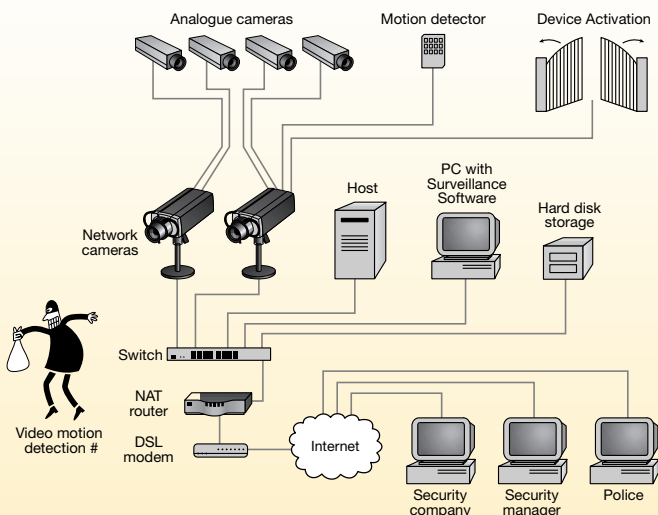
➤ IP CAMERA RANGE

NetComm IP Cameras are designed around a robust camera platform. Under the hood is an ingeniously embedded web and ftp server with a robust UNIX-like operating system to ensure guaranteed 24/7 operation in the most demanding of environments.



NetComm IP Cameras are rich in features and include the following:

- A state of the art on-board image processor
- An inbuilt web and FTP server
- JPEG and MJPEG video compression
- Real time video at maximum resolution (single view)
- Motion detection capability
- 3 layer password protection for the camera, providing additional security
- 4 external inputs and 1 output trigger to attach devices such as motion sensors or gate control
- FTP/Email/HTTP notification of alarm and event triggers
- Tensile Aluminium Case for superior protection against vandals
- Easy script wizard to set up triggered recording and external alarms
- Interchangeable lens option to any standard CS mount lens
- Easy Network Camera IP Installer tool & quick install guide
- An extensive range of software options for different applications



IP Surveillance system



NS4000

The NS4000 is an inexpensive solution for remote monitoring of indoor areas such as foyers, hallways, reception areas, retail stores or hotel lobbies. The camera features 640 x 480 resolution, real-time video at maximum resolution, a CMOS VGA image sensor, an interchangeable cs mount lens, a COM port for dial-up or ADSL modem connection and a GPIO port (4 input/ 1 output) to control devices such as opening doors and gates. It also provides basic video control functions of white balance, auto gain control and electronic shutter.



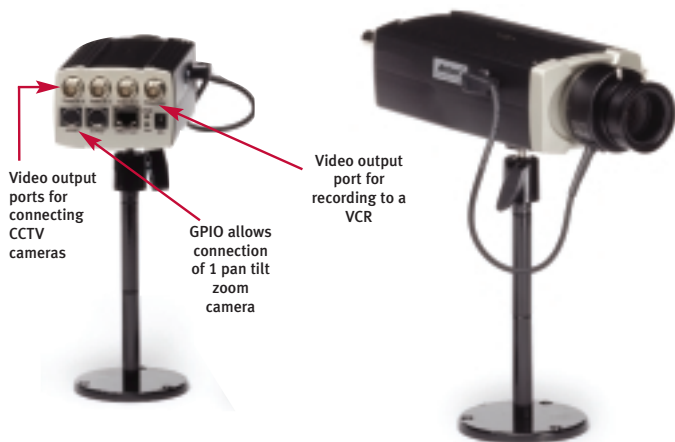
NS4100

The NS4100 is an indoor or outdoor remote monitoring solution. It features a superior CCD image sensor that enables a maximum resolution of 704 x 576, superior video control features such as manual electronic shutter and line lock, a DC Auto Iris vari-focal lens offering a flexible field of view, full-motion video at maximum resolution, a COM port for dial up or ADSL modem connection and a GPIO port (4 input/1 relay output).



NS4120

The NS4120 is a true surveillance grade camera that can be used for indoor or outdoor monitoring purposes. This camera incorporates all the features of the NS4100 plus a video output port to connect an additional analogue device such as a VCR or monitor. The camera also includes an External Video input (via GPIO block) to connect an analog CCTV camera to the device.



NS4240

The NS4240 is the most feature-rich surveillance solution in the IP Camera range. The 4240 has all the capabilities of the NS4120 plus 3 additional video input ports to connect any legacy CCTV cameras to the device. This IP Camera is a cost-effective 4 camera security monitoring and surveillance solution for any organisation.

➤ APPLICATIONS

NetComm IP cameras can be used for a wide range of surveillance applications

EDUCATION

Besides capturing acts of vandalism and theft, high schools and tertiary institutions are adopting NetComm IP Cameras for innovative new educational applications such as allowing students access to view science experiments from home via the internet.

RETAIL

Retail businesses can install NetComm IP cameras to remotely monitor staff, customer activity and customer interaction with staff and in-store traffic flow. To provide a complete retail monitoring solution, NetComm has also partnered with various software providers to complement the camera range.

CONSTRUCTION

Building companies can effectively utilise NetComm IP Cameras to remotely monitor site construction as well as employee and material movements. Key managers can also visually confirm construction progress without being onsite.

HEALTH

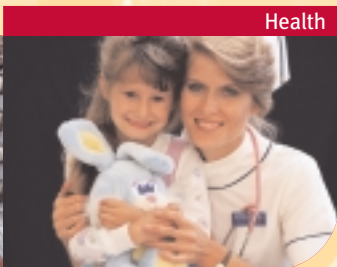
Hospitals can use NetComm IP Cameras to monitor patients and viewing medical equipment from remote areas in an instant. Aged care units can also install NetComm IP Cameras to ensure the safety of the elderly.

WAREHOUSING/LOGISTICS

Warehouses can monitor loading and dispatch operations, entrances and exits (including fire exits), shipping and storage areas, entry points and parking areas. Combining a NetComm Smart IP Camera with 11g wireless eliminates the need for costly cabling in sites with large floor areas such as warehouses and campuses, where the cost of camera cabling is prohibitive.



Warehousing / Logistics



Health

➤ IP CAMERA OPTIONS

IP CAMERA OUTDOOR HOUSING

MSHTH-S3



In-built Cooling System

An IP Camera requires protection from the elements or any harsh environment when installed for outdoor applications.

That is why NetComm has designed a weatherproof camera housing to suit any environment. The housing is solid, coated aluminium with a thick 5mm glass window. The in-built cooling system also ensures that your IP Camera stays cool when in direct sunlight.

- Anti-corrosive coated aluminium case
- Break resistant 5mm glass screen
- In-built cooling fan
- L 435mm x W 110mm x H 128mm
- Weight 2.5kg

IP CAMERA MOUNTING BRACKET

MS1010-1

This option allows the mounting of camera housing to a wall.

- Anti-corrosive coated aluminium
- Swivel angle – 360 degrees
- Tilt angle – 90 degrees
- Screw size 25.4mm
- 285mm (L) x 76mm (W) x 97mm (H)
- Weight 0.8kg



SOFTWARE

NetComm has partnered with various key software developers to provide enhanced software capability and complete the IP Surveillance solution. Software options currently available offer the following functionality:

- Enhanced network digital recording with multiple camera viewing and recording capabilities
- Advanced motion detection and stationary object detection
- Scheduling of recording.

IP CAMERA SPECIFICATIONS

Camera Specifications	NS4000	NS4100	NS4120	NS4240
Web and FTP server	Yes	Yes	Yes	Yes
Frames/second	25 fps	25 fps	25 fps	25fps
Screen display	Single camera	1 camera	1-2 cameras	1-4 cameras
Network interface	10/100 RJ-45	10/100 RJ-45	10/100 RJ-45	10/100 RJ-45
Lens zoom	Manual	Manual	Manual	Manual
Pan, tilt, zoom support	-	-	1 requires external PTZ camera	1 requires external PTZ camera
Indoor/outdoor use	Indoor only	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Video Motion detection	Yes	Yes	Yes	Yes
On/Off selectable	Yes	Yes	Yes	Yes
Max video resolution	640 x 480	704 x 576	704 x 576	704 x 576
Image sensor	CMOS	Sony HAD CCD	Sony HAD CCD	Sony HAD CCD
Lens type	Standard F1.8 6mm	DC-Iris Vari-focal 3.2-10mm F1.4	DC-Iris Vari-focal 3.2-10mm F1.4	DC-Iris Vari-focal 3.2-10mm F1.4
Memory buffer	16Mb SDRAM	16Mb SDRAM	16Mb SDRAM	16Mb SDRAM
Light sensitivity in colour (Lux)	2.5-10,000	0.5-200,000	0.5-200,000	0.5-200,000
Modem support	Dial-up/ADSL	Dial-up/ADSL	Dial-up/ADSL	Dial-up/ADSL
Power supply	14/13.8V AC 1A	14/13.8V AC 1A	12V DC 1A	14/13.8V AC 1A
Alarm activation	4 alarm inputs + video motion detection	4 alarm inputs + video motion detection	4 alarm inputs + video motion detection	4 alarm inputs + video motion detection
Alarm notification	Alarm output/ email	Alarm output/ email	Alarm output/ email	Alarm output/ email
Alarm recording	Single frame snapshot to full-motion video	Single frame snapshot to full-motion video	Single frame snapshot to full-motion video	Single frame snapshot to full-motion video
Video input port	-	-	1 (GPIO)	3 (BNC)
Video output port PAL	-	-	1 (BNC)	1 (BNC)
Dimensions with lens (mm)	77(w) x 54(h) x 194(l)	77(w) x 54(h) x 194(l)	77(w) x 54(h) x 194(l)	77(w) x 54(h) x 194(l)
Weight (kg)	1.1kg	1.1kg	1.1kg	1.1kg
Operating temperature	5 – 50 C	5 - 50 C	5 - 50 C	5 - 50 C

NetComm™
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