



**INTELLINET**  
NETWORK SOLUTIONS

BRINGING NETWORKS TO LIFE



# Network Video Server

Model  
550000

## Bring Advanced Network IP Camera Features to your CCTV System!

The **Network Video Server (NVS)** allows you to transmit video images through the network using your existing closed circuit TV cameras. Using the NVS you can now add the sophisticated features previously available only through Network IP Cameras. The NVS allows you to continue to expand your video surveillance system with new technology, while protecting existing investments.

### No Dedicated PC Required

Accessing CCTV systems through the network typically requires a dedicated PC. The NVS allows you to access your closed circuit TV cameras without the need for a dedicated PC or any additional software programs.

### Easy Setup

The NVS is easy to install because the Web Page/IP Installer makes assigning an IP address quick and simple.

### Compatible with Most Equipment

The NVS can be used in a mixed environment with Windows, Unix, Mac and OS/2. It supports TCP/IP networking, SMTP E-mail, HTTP, and other Internet-related protocols. It allows you to grow your video surveillance system by integrating existing investments with new equipment, allowing you to support a wide variety of cameras.

### Simultaneous Viewing

Up to 100 people can be simultaneously accessing the NVS at any one time. This is very useful in applications like Kindergarten class monitoring by parents from their work or home.

### Event Triggering

Upon detecting motion, an alarm from an infrared sensor, or on a scheduled basis, the NVS can either 1) send an alarm, 2) E-mail a captured image, or 3) send a captured image to an FTP server. This "event triggering" capability is becoming more and more popular as companies are required to pass security audits in compliance with various legislature.

### Security

The NVS includes a self-contained Web server, which means that digital images can be secured like any other Internet host. The Network Administrator can use multi-user password protection to decide whether individuals, groups, or the whole world may access the camera.

### Lifetime Warranty

Strict manufacturing standards assure the highest quality in all **INTELLINET NETWORK SOLUTIONS** products. All items carry a full Lifetime Warranty – the strongest quality commitment anyone can make.





## Features

### CONVENIENT OPERATION

The NVS is a standalone system with built-in CPU requiring no special hardware or software. It supports both Active X mode for Internet Explorer and JAVA mode for Internet Explorer and Netscape Navigator. All you need is a common Web browser, such as Microsoft Internet Explorer 4.x or above.

### OPEN STANDARDS

The NVS supports TCP/IP networking, SMTP E-mail, HTTP, and other Internet-related protocols. It can be used in a mixed operating system environment with Windows, Unix, Mac and OS/2.

### SIMPLE ADMINISTRATION

The NVS can be configured and managed directly from its own embedded Web pages using a standard Web browser, and its embedded operating system is upgradeable through the network.

### EXTERNAL DEVICES

The auxiliary Input/Output Connector on the camera allows you to connect the NVS to a variety of external devices, such as IR-sensors, switches, and alarm relays.

### SECURITY

The NVS includes a self-contained Web server, which means that digital images can be secured like any other Internet host. Your network administrator, using the unit's security settings in combination with the organizations Internet firewall, can decide whether individuals, groups, or the whole world may access the camera. The NVS supports multi-user password protection.

### COMPRESSION AND PERFORMANCE

With an adaptive frame rate dependent on the image and lighting conditions, the VNS delivers JPEG images at up to 30 images per second.

### EMBEDDED LINUX SYSTEM

The NVS uses an embedded Linux operating system within its 32 bit RISC CPU. Linux is based on UNIX and is one of the most stable operating systems available. The high reliability of Linux make it an excellent operating system for an application such as video surveillance.

### REAL-TIME JPEG COMPRESSION

Video input is efficiently compressed into packets of JPEG images without delay. Using ten levels of compression ratio, and three sizes of image resolution, the NVS creates an equivalent image using a much smaller file size, improving remote monitoring performance and storage capabilities.

### BROAD RANGE OF APPLICATIONS

The NVS allows remote access from a Web-browser for live image viewing and allows the administrator to manage and control the VNS anywhere and anytime across the globe. The NVS can be applied to monitor various objects and places such as homes, offices, banks, hospitals, child-care centers, amusement parks, and other varieties of industrial and public monitoring. The NVS can also be used for intruder detection, capturing still images for archiving and analysis.

### APPLICATION SOFTWARE

The NVS includes the following software with the device:

- IP Installer (for quick installation)
- Upgrade Software (for remote upgrades)
- Multi-viewer Software (for viewing up to 4 cameras concurrently on a single screen)
- PDA Viewer (for viewing the camera on Windows CE PDA devices)

## System Requirements

### NETWORK

- 10Base-T or 100Base-TX Fast Ethernet

### RECOMMENDED PC OR NOTEBOOK SYSTEM REQUIREMENTS FOR ACCESSING THE VNS

- CPU: Pentium II, 266 MHz or above
- Memory Size: 32 MB (64 MB recommended)
- VGA Card Resolution: 800 x 600 or above

### WEB BROWSER

- Internet Explorer 5.0 or above (Active X & JAVA Mode – Image View for Windows OS and JAVA Mode – Image View for other operating systems)
- NetScape 6.0 or above (JAVA Mode – Image View)

### MULTI-VIEW APPLICATIONS

- Supported OS: Windows 98, Windows 98 SE, Windows 2000, Windows Me, Windows XP
- CPU: Pentium III, 450 MHz or above
- Memory Size: 128 MB (256 MB Recommended)
- VGA Card Resolution: 800 x 600 or above

## Specifications

### SYSTEM

- Operating System: Embedded Linux
- Flash Memory: 4 MBytes
- Main Memory: 16 MBytes
- Channel: 1 Channel (BNC)
- CPU: 32 bit RISC Embedded Processor

### IMAGE

- Image Compression: JPEG
- Compression Rate: 10:1
- Max Frame Rate: 30 fps at 320 x 240

### NETWORK

- Port Speed: 10Base-T Ethernet or 100Base-TX Fast Ethernet
- LAN Port: One RJ-45
- Supported protocols: TCP/IP, ARP, RARP, ICMP, DHCP, FTP, SMTP, PPP
- Image Viewer: Web Browser
- Security: ID, Password Protection
- Maximum Simultaneous Users: 100

### PORT/GPIO

- 1 x BNC (coaxial) Input Port
- 1 x BNC (coaxial) Output Port
- RS-485 Port: 1 Port (Select RS-232 or RS-486)
- Sensor Output: 1
- Alarm Output: 1
- Output of 12 V to power external devices (max 150 mA)

### ENVIRONMENTAL

- Operating Temperature: -10C – 50C (-14F - 122F)
- Storage Temperature: -25C – 70C (-13F - 158F)
- Operating Humidity: 30 – 80% RH below
- Storage Humidity: 93%

### POWER

- Power Input: AC 110 – 220 V
- Power Consumption: 12 V DC, 1.5 A
- Current Consumption: 7.5 W / 600 mA (12 V DC)

### PHYSICAL DIMENSIONS

- Size: 85 (W) x 44.5 (H) x 125 (L) mm (3 3/8 x 1 3/4 x 5 in.)
- Weight: 230 g (8.1 oz.)

### PACKAGE CONTENTS

- Video Network Server
- Power Adapter
- RS-232 Cable
- Software CD
- User Manual

LIFETIME WARRANTY



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