



# NFC30-IR Night-Vision Network Camera

**MPEG4 + Motion-JPEG Dual Mode, PoE, Audio,  
300k CMOS, Day/Night**

**Feature-filled to meet many common surveillance  
needs.**

The INTELLINET NETWORK SOLUTIONS™ NFC30-IR Night-Vision Network Camera is designed for security surveillance applications, and comes fully equipped with state-of-the-art features that set it apart from other network cameras on the market today

### **Excellent Video Quality**

Because the NFC30-IR Network Camera uses a progressive-scan CMOS sensor, it provides sharp video images with dramatic lifelike color representation.

**Model**  
550963

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## Surveillance 24 Hours a Day, Even in Complete Darkness

This camera is equipped with an IR lens which automatically engages as the light levels drop. The camera also supports third-party IR illumination, allowing for the surveillance of larger areas.

## Auto-Setup

No need to worry about complex network setup procedures. The installation wizard provides an easy setup that allows a non-technical person to begin using the camera right away.

## SSL Encryption

Secure network connections using data encryption between the camera and the network client for additional data security.

## Dual Mode: Simultaneous MPEG4 + Motion-JPEG Streaming

The NFC30-IR Network Camera supports MPEG4 as well as Motion-JPEG video formats, providing superior quality and, at the same time, continuing to support existing applications. MPEG4, on the other hand, allows you to transmit a larger amount of data over the same amount of bandwidth while providing smooth and seamless viewing.

## Bi-Directional Audio Support

Attaching a microphone and loudspeakers to the NFC30-IR Network Camera will allow you to listen and talk using the two-way audio support. On top of that, the camera is equipped with an internal microphone. This is ideal for most security and surveillance applications.

## Integrated DDNS Client

Utilize the free DYNDNS service (like DYNDNS.org) in order to connect to your camera, even if you do not have a static IP address assigned by your ISP (Internet service provider). This feature lets you easily set up a URL that can be used to access the camera through the Internet using any Web browser.

## Unique Windows Live Messenger Support

Set up a free MSN / Hotmail account for the network camera and connect to it via Windows Live Messenger as if it were a regular contact in your buddy list. Remote access cannot be any easier.

## Power over Ethernet

The NFC30-IR Network Camera supports the 802.3af standard, allowing it to be installed in locations where an AC power source is not readily available. Simply plug the camera into a PoE-compliant switch and begin transmitting power as well as data over the Cat5e or Cat6 network cabling.

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## Features

- Excellent image quality with 30 fps full-motion video in all resolutions
- Progressive-scan image sensor with OmniPixel2 technology
- Supports image resolutions up to 640 x 480 (VGA)
- Audio support, full duplex, up to 8 kHz, with integrated microphone
- Video access through any standard Web browser
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and e-mail upload of still images and videos
- External microphone input connector
- External speaker output connector
- Terminal block for external sensors or external alarm devices
- Supports simultaneous MPEG4 and Motion-JPEG image compression
- Selectable video buffer for smoother video streaming
- Controllable frame rate
- Supports MPEG4 video streaming with CBR (constant bit rate) and VBR (variable bit rate) modes
- For surveillance in low light or nighttime conditions, minimum 0 lux (complete darkness)
- Equipped with an IR lens with 12 IR LEDs and one IR sensor
- IR sensitive, supports external IR illuminators
- Mobile phone streaming live video through 3GPP/ISMA/RTSP
- Mobile phone live image through 2.5 WAP
- Windows Live Messenger support
- Supports privacy zone and text overlay functionality
- MPEG4 + Motion-JPEG + 3GPP mobile phone streaming, audio and 10x digital zoom
- Supports HTTPS encryption for enhanced security
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Includes Windows-based IP Installer and monitoring/recording software for up to 16 cameras
- Three-Year Warranty

## Specifications

### STANDARDS

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3af (Power over Ethernet)

### GENERAL

- 32-bit ARM9 RISC CPU
- 8 MByte flash memory
- 64 MByte SDRAM
- Supported image resolutions: 640 x 480, 320 x 240 and 160 x 120
- Supported video compression formats:
  - Motion-JPEG
  - MPEG4 Part2 (ISO/IEC 14496-2), Profile: SP
- Video frame rate:
  - Motion JPEG: up to 15 fps at 640 x 480
  - Up to 30 fps at 640 x 480
- Audio support:
  - Full duplex
  - Bandwidth: G.711 PCM, 8 kHz, 64 kbit/s
  - Microphone: built-in
  - Audio input: 3.5 mm (1/8") microphone input jack
  - Audio line out jack: 3.5 mm (1/8")
- Uni- and Multicast
- 1 x alarm input (5 V / 12 V DC)
- 1 x alarm output (max. 30 W)
- Protocols supported: TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA/RTSP, Bonjour
- Certifications: FCC Class B, RoHS, CE

### NETWORK

- LAN connector: RJ45 port to connect to 10/100 Mbps Ethernet

### IMAGE SENSOR AND LENS

- Omnivision 1/4" progressive-scan CMOS sensor with OmniPixel2 technology
- VGA resolution (664 H x 490 V)
- S/N ratio: 50 dB (max.)
- Pixel size: 6.0 µm x 6.0 µm
- Manual brightness, contrast, saturation, hue control
- Minimum illumination: 0 lux with IR LEDs on
- 12 IR LEDs, effective range 10 m (30 ft.)
- IR wavelength: 850 nm
- Mechanical IR cut filter with 3 settings: On, Off and Auto (with adjustable threshold)
- Focal length 4.3 mm, angular field of view 46°, object distance 0.2 m to infinity
- Maximum relative aperture F2.0

### USERS AND SECURITY

- 10 user accounts
- 3 different access levels: administrator, operator and viewer
- Password-protected access to the video streams, or access without password
- HTTPS (SSL v3)

### POWER

- External power adapter: 12 V DC, 1.0 A
- Power consumption: 5.0 Watts (maximum)
- Built-in IEEE 802.3af PoE (Power over Ethernet)

### LEDS

- Power
- Network connection
- Camera operation

### ENVIRONMENTAL

- Dimensions: 71 (W) x 128 (L) x 42 (H) mm (5 x 2.8 x 1.6 in.)
- Weight: 0.9 kg (2.0 lbs.)
- Operating temperature: 0 – 50°C (32 – 122°F)
- Operating humidity: 20 – 80% RH, non-condensing
- Storage temperature: 0 – 60°C (0 – 149°F)

### SYSTEM REQUIREMENTS

- Pentium 4 1.8 GHz (or equivalent AMD)
- 64 MB RAM video card
- Windows 2000, XP, Vista, Windows 7, Linux, Mac OS X
- Computer with network connection
- Web browser support:
  - MS Internet Explorer 5.0 or higher (ActiveX)
  - Mozilla Firefox 3.x (Java)
  - Safari (Java)

### PACKAGE CONTENTS

- NFC30-IR Night-Vision Network Camera
- User manual
- Camera mounting bracket
- External power adapter
- Software CD

For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit [www.intellinet-network.com](http://www.intellinet-network.com).



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