NFD30

Network Dome Camera

MPEG4 + Motion-JPEG Dual Mode, PoE, Audio, 300k CMOS, 3.7 - 12 mm vari-focal lens

Feature-filled to meet many common surveillance needs.

The INTELLINET NETWORK SOLUTIONS™ NFD30 Network Dome 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-WG Network Camera uses a progressive-scan CMOS sensor, it provides sharp video images with dramatic lifelike color representation.
**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 NFD30 Network Dome 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 NFD30 Network Dome 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 NFD30 Network Dome 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.
NFD30 Network Dome Camera

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
• 3.7 – 12 mm, F1.4 vari-focal lens
• 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
• Supports low light conditions, minimum 0.5 lux
• 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 + 3GP 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
• Including 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, 3GP/ISM/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
• 644 H x 490 V pixel array elements
• S/N ratio: 50 dB (max.)
• Pixel size: 6.0 µm x 6.0 µm
• Manual brightness, contrast, saturation, hue control
• Minimum illumination: 0.5 lux at F2.0
• Varifocal board lens, adjustable from 3.7 mm to 12 mm
• Angle of view: 28.37˚ (tele-zoom) to 97.61˚ (wide angle) diagonal
• Maximum relative aperture F1.4

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: 110 (H) x 130 (D) mm (4.3 x 5.1 in.)
• Weight: 1.0 kg (2.2 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)
  - Netscape Navigator 6.0 or higher (Java)
  - Safari (Java)

PACKAGE CONTENTS
• NFD30 Network Dome 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.