NFD130-IR Megapixel Night-Vision Network Dome Camera

1.3 Megapixel CMOS, 720p HD, Day/Night, H.264, MPEG4, M-JPEG, 3GPP, PoE, MicroSD/SDHC
Part No.: 551229

The Intellinet Network Solutions NFD130-IR Megapixel Night-Vision Network Dome Camera is designed for indoor day and night security surveillance and comes fully equipped with state-of-the-art features that set it apart from other network cameras on the market today.

Megapixel Resolution for Excellent Video Quality

The NFD130-IR Network Dome Camera is equipped with a 1.3 megapixel sensor that generates crystal-clear images up to 1280 x 1024 pixels for much more detailed and realistic video. Thanks to progressive-scan image technology, the jagged lines caused by conventional interlacing image sensors (sometimes seen as a flickering effect on moving objects) have been all but eliminated. In addition, 720p widescreen 16:9 video mode is also supported.

Multi-Streaming: Simultaneous H.264 + MPEG4 + 3GPP + Motion-JPEG

The Intellinet NFD130-IR Network Dome Camera provides outstanding video quality while consuming less network bandwidth thanks to integrated H.264 video compression. The NFD130-IR Network Dome Camera also supports MPEG4 and Motion-JPEG video formats, as well as 3GPP mobile phone streaming for easy on-the-road connectivity with your compatible smartphone.

Surveillance 24 Hours a Day, Even in Complete Darkness

Equipped with 18 powerful IR LEDs, the NFD130-IR turns night into day. Thanks to its removable IR cut filter (ICR) and its IR-corrected varifocal megapixel lens, the camera sends true-color video during the day and crystal-clear black and white footage at night. The user can adjust the threshold and allow the camera to automatically switch between day and night mode, or use the camera's integrated internal scheduler. The camera also supports third-party IR illuminators (850 nm), allowing for surveillance of larger areas during nighttime hours.

Video Storage

The NFD130-IR is equipped with an internal MicroSD/SDHC memory card slot, allowing the camera to store videos and images even if a connection to the NVR is down. In addition, video can be submitted via e-mail, uploaded to an FTP server, or stored directly on a shared network drive (NAS Samba/CIFS/SMB share).

SSL Encryption

The Intellinet NFD130-IR Network Dome Camera offers a secure network connection via data encryption between the camera and the network client.

Features:

- 1.3 Progressive-Scan Megapixel CMOS image sensor for crystal-clear images
- Supports image resolutions up to 1280 x 1024 (1.3 Megapixel) or 1280 x 720 (720p)
- True day & night function: Removable IR-cut filter (ICR) ensures true color representation during the day and impressive night-vision performance at night
- MicroSD/SDHC memory card slot for local storage
- Supports multiple simultaneous H.264, MPEG4, Motion-JPEG and 3GPP video streams
- 10x digital zoom
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- 3-axis rotation for easy camera angle adjustment
- Excellent image quality with 30 fps full-motion video in VGA and 15 fps video in 1.3 Megapixel resolution
- For surveillance in low light or nighttime conditions, minimum 0 lux (complete darkness)
- 18 integrated infrared LEDs (850 nm) with 2 brightness levels provide 15 m (50 ft.) effective range

- IR sensitive, supports external IR illuminators
- Equipped with an IR corrected DC-controlled auto-iris megapixel vari-focal lens
- Event-triggered FTP and e-mail upload of still images and videos
- Integrated motion detection with pre- and post-alarm image/video buffering
- Supports local network storage: Can write video clips directly to a network attached storage (NAS) drive
- NAS storage supports cyclic recording, automatically overwriting older files once the allocated storage space is exceeded
- Supports SMB/CIFS (Windows) and NFS (Linux) network file systems
- Mobile phone streaming live video through 3GPP / ISMA / RTSP
- Supports privacy zone and text overlay functionality
- Supports HTTPS encryption and IP filter for enhanced security
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Easy-to-use 16-channel camera viewing and recording utility included (not compatible with NSC10/11 and NSC18 cameras)
- Analog video output through RCA connector
- 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
• 128 MByte SDRAM
• Supported image resolutions: 1280 x 1024 (SXGA 5:4), 1280 x 720 (720p HDTV) , 640 x 480 (VGA) and 320 x 240 (QVGA)
• Supported video compression formats:
- Motion-JPEG
- MPEG4 Part2 (ISO/IEC 14496-2), Profile: SP
- H.264-BP
- 3GPP
• Uni- and Multicast
• 1 x alarm input
• 1 x alarm output
• 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

Connectors
• LAN connector: RJ45 port to connect to 10/100 Mbps Ethernet
• DC Power jack

- Terminal block for 1 alarm input and 1 output
- 1 x analog video out RCA connector
- MicroSD/SDHC memory card slot
- Hardware reset button

Image Sensor
- 1/4" Micron Progressive Scan CMOS sensor
- 1.3 megapixel resolution (1,280 H x 1,024 V)
- S/N ratio: 44 dB (max.)
- Pixel size: 2.8 µm x 2.8 µm
- Manual brightness, contrast, saturation, sharpness, exposure
- Shutter: 1 - 1/17780 sec.

Lens
- Varifocal megapixel lens
- DC-controlled auto-iris
- Focal length 2.7 mm - 9 mm
- Angle of view:
- 29.1° - 60.1° vertical
- 22.9° - 75.0° horizontal
- 18.4° - 96.5° diagonal
- Maximum relative aperture: F1.2

IR Night-Mode
- LEDs: 18
- Wavelength: 850 nm
- Levels: 2 (high and low)
- Range: 15 m (50 ft.) max.
- Mechanical removable IR cut filter (automatic)
- IR modes:
- always on, always off
- auto (based on light level, based on schedule)

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)
- IP address filter: Allow or Deny
- 10 simultaneous connections

Power
- External power adapter: 12 V DC, 1.0 A
- Power consumption: 5.5 Watts (maximum)
- Built-in IEEE 802.3af PoE (Power over Ethernet)

LEDs
- Power

• Network connection
• Camera operation

Environmental
• Dimensions: 100 (H) x 145 (W) mm (3.9 (H) x 5.7 (W) in.)
• Weight: 1.1 kg (2.2 lbs.)
• Operating temperature: 0 – 50°C (32 – 122°F)
• Operating humidity: 20 – 90% RH, non-condensing

System Requirements
• Pentium 4 2.8 GHz (or equivalent AMD)
• 256 MB RAM video card
• 2 GB RAM
• Windows XP, Vista, Windows 7, Linux, Mac OS X
• Computer with network connection
• Web browser support:
- MS Internet Explorer 7.0 or higher (ActiveX)
- Mozilla Firefox 3.x, Google Chrome (Java Script)
- Safari (Quicktime)

Package Contents
• NFD130-IR Megapixel Night-Vision Network Dome Camera
• User manual
• Hardware Installation Guide
• External power adapter
• Software CD

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
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