



NSC18-WN Pan/Tilt Network Camera

1.3 Megapixel CMOS, 300 Mbps Wireless 802.11n, Motion-JPEG + MPEG4, Audio, SD Card

Part No.: **550857**

The INTELLINET NETWORK SOLUTIONS SOHO Network Camera, Model NSC18-WN, is the ideal camera for home-network-based video streaming. You can access the camera remotely over the Internet, and you can save snapshots or record directly from your Web browser to the local hard drive without installing any software or drivers.

Excellent Video Quality in Megapixel Resolution

The NSC18-WN Pan/Tilt Network Camera is equipped with a 1.3 Megapixel image sensor that generates crystal-clear images in resolutions of up to 1024 x 768 pixels, providing a much more detailed video. Thanks to the use of progressive-scan technology, jagged lines caused by regular interlacing image sensors (flickering effect on moving objects) have been all but eliminated.

Pan/Tilt Control

The NSC18-WN Pan/Tilt Network Camera features a motorized Pan and Tilt control with a viewing angle of 355° horizontally and 120° vertically. The user can view and control the camera remotely via a Web browser or the included 16-channel viewing and recording utility, and is no longer limited by the static viewing angle of fixed network cameras. The Pan/Tilt Network Camera lets the user decide which area to monitor at any given time.

Integrated SDHC/SD Card Slot for Local File Storage

The NSC18-WN Pan/Tilt Network Camera can store up to 8 GB of images and video on standard SD/SDHC cards. The camera can save JPEG images or video clips on the internal storage, providing a most important backup solution in case the network is down, and, should the SD card get filled up, the camera even notifies you via e-mail about the impending low storage space situation. Access to the recorded data does not require any special software; simply browse through the recordings with your Web browser and view them with your favorite media player. And if you'd rather take the SD card out of the camera and read it with your SD card reader-equipped notebook or desktop PC to store the recordings permanently, you can do that, too!

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.

Simultaneous Viewing

Includes a Multi-Viewer software utility that allows you to monitor up to 16 cameras at the same time. The advanced video

compression produces a high-quality, high-frame-rate video stream in megapixel resolution.

Dual Mode: Simultaneous MPEG4 + Motion-JPEG Streaming

The Pro Series 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. And if you wish to view the live video in a video player rather than the Web browser, you can do that, too, with the freely available VLC player.

Wireless 802.11n and 100Base-TX

Go wireless or wired. The camera supports WEP, WPA and WPA2 encryption for wireless security, and you can connect higher-gain antennas to extend the wireless transmission range. The new Wireless N standard has dramatically increased the overall performance of a wireless network. With speeds up to 300 Mbps and WPS technology that connects the network camera to your wireless network with the push of a button, the new Wireless N technology greatly surpasses Wireless G technology in every aspect possible. On case you have not upgraded your wireless network to the N standard yet, there is no need to worry, as the NSC18-WN Pan/Tilt Network Camera offers legacy support for existing Wireless G networks.

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Features:

- 1.3 Megapixel CMOS image sensor for crystal-clear images
- DigitalClarity CMOS imaging technology
- Motorized wide-range pan and tilt control via Web browser and windows utility
- Supports image resolutions up to 1280 x 1024
- Supports simultaneous MPEG4 and Motion-JPEG image compression
- Integrated SD/SDHC card slot for on-board storage of up to 8 GB
- RTSP (Real-Time Streaming Protocol) support
- 4X digital zoom
- Programmable preset positions and patrol mode
- 2T2R MIMO technology for enhanced throughput and coverage
- Supports Wi-Fi Protected Setup (WPS)
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- Supports UPnP (Universal Plug and Play)
- Integrated e-mail, FTP, DDNS and DHCP client
- Audio support, with integrated microphone
- Optimal synchronization of audio and video
- External speaker output connector
- Integrated multi-window motion detection
- Motion detection triggered FTP and e-mail upload of still images and videos with additional storage option on SD/SDHC card
- Including easy-to-use 16-channel camera viewing and recording utility (only compatible with NSC10 and NSC18 cameras)
- Three-Year Warranty

Specifications:

Standards

- IEEE 802.11b (11 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.11n (300 Mbps Wireless LAN)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

General

- 32-bit ARM9 RISC CPU
- DSP: Prolific PL-1029
- 4 MByte flash memory
- 32 MByte SDRAM
- Supported image resolutions:
 - MPEG4: 1024 x 768, 640 x 480 and 320 x 240
 - Motion=JPEG: 1280 x 1024, 640 x 480 and 320 x 240

- Video frame rate: max. 30 fps
- Audio support:
 - Half duplex
 - Bandwidth: GSM610 PCM, 8 kHz, 13 kbit/s
 - Microphone: built-in
 - Audio line out jack: 3.5 mm / 1.8"
- Protocols supported: TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, HTTP, TCP, UDP, RTSP
- Certifications: FCC Class B, RoHS, CE

Image Sensor and Lens

- 1/4" Micron Progressive Scan CMOS sensor
- 1.3 Megapixel resolution (1,280 H x 1,024 V)
- Manual brightness, saturation, sharpness control
- Minimum illumination: 1 lux at F2.8
- Focal length 5.0 mm, angular field of view 53°, object distance 0.6 m to infinity

Pan/Tilt Control

- Viewing angle 355° horizontally and 120° vertically
- Control via directional arrow buttons, mouse point-and-click (Web browser) or the 16-channel viewing/recording utility
- 9 preset positions
- Patrol mode: Presets can be grouped together in different guard tours

Network

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

Wireless

- Chipset: Ralink RT3052
- Wireless frequency range: 2.400 – 2.483 GHz
- Modulation technologies:
 - 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
 - 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
 - 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- Data rates:
 - IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
 - IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
 - IEEE 802.11n (MCS0-15: up to 300 Mbps)
- Data encryption: WEP (64-bit & 128-bit), WPA- and WPA2-PSK (with TKIP and AES authentication)
- Antennas:
 - 2 detachable dipole antennas with 3 dBi gain each
 - 2T2R MIMO mode (2 transmitters, 2 receivers)

Power

- External power adapter: 12 V DC, 1.0 A

System Requirements

- Windows 2000, XP, Vista, Windows 7
- Computer with network connection
- Web browser support: MS Internet Explorer 6.0 or higher (ActiveX)

Package Contents

- NSC18-WN Pan/Tilt Network Camera
- 2 detachable antennas
- Power adapter
- Quick installation guide
- Software CD
- Ethernet Cat5 RJ45 cable: 1.0 m (3 ft.)



