NSC16-WG Megapixel Network Camera

H.264 + MPEG4 + Motion-JPEG Multi-Streaming, Audio, 1.3 Megapixel CMOS, 720p HD, 54 Mbps Wireless 802.11g
Part No.: 551083

The INTELLINET NETWORK SOLUTIONS NSC16-WG Megapixel Network Camera is the ideal camera for home-network-based video streaming. Enjoy stunning high-definition H.264 video at home or remotely over the Internet!

Excellent Video Quality in Megapixel Resolution
The NSC16-WG Network Camera is equipped with a 1.3 megapixel image sensor that generates crystal-clear images in resolutions of up to 1280 x 1024 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. In addition, the popular 720p widescreen 16:9 video mode is also supported.

Multi-Streaming: Simultaneous H.264 + MPEG4 + 3GPP + Motion-JPEG Streaming
The NSC16-WG Network Camera provides better image quality while consuming less network bandwidth thanks to the integrated H.264 video compression. The NSC16-WG Network Camera also supports MPEG4 and Motion-JPEG video formats, providing superior quality and, at the same time, continuing to support existing applications. Finally, 3GPP mobile phone streaming is provided for easy on-the-road connectivity with your 3GPP-enabled mobile phone.

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.

Bi-Directional Audio Support
Attaching a microphone and loudspeakers to the NSC16-WG 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.

Professional Functions in a SOHO Product
The INTELLINET NETWORK SOLUTIONS SOHO Network Camera NSC16-WG provides features that normally can only be found in professional-grade products: SSL Encryption keeps the data connections secure, simultaneous H.264 + MPEG4 + Motion-JPEG Streaming for best compatibility, 3GPP mobile phone streaming for on-the-road connectivity, UPnP Port-Forwarding for configuration-free router setup, full-duplex audio support with audio detection and a class-leading image quality.
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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)
- Supports simultaneous H.264, MPEG4 and Motion-JPEG image compression
- Excellent image quality with 30 fps full-motion video in VGA and 15 fps video in 1.3 Megapixel resolution
- Audio support, full duplex, up to 8 kHz, with integrated microphone
- Integrated multi-window motion detection
- Supports audio detection with adjustable threshold
- Day/Night mode with 6 white LEDs for a range of up to 5 m (15 ft.)
- Supports 54 Mbps Wireless 802.11g with WEP, WPA & WPA2 encryption
- Event-triggered FTP and e-mail upload of still images and videos
- External speaker output connector
- Selectable video buffer for smoother video streaming
- Controllable frame rate
- 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
- H.264 + MPEG4 + Motion-JPEG + 3GPP mobile phone streaming, audio and 10x digital zoom
- Supports HTTPS encryption and IP filter for enhanced security
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Video access through any standard Web browser
- Easy-to-use 16-channel camera viewing and recording utility included (not compatible with NSC10 and NSC18 cameras)
- Ultra-compact and easy to install
- Three-Year Warranty

Specifications:

Standards
» IEEE 802.11b (11 Mbps Wireless LAN)
» IEEE 802.11g (54 Mbps Wireless LAN)
» IEEE 802.3 (10Base-T Ethernet)
» IEEE 802.3u (100Base-TX Fast 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
» Video frame rate:
  - Up to 15 fps at 1280 x 1024 and 1280 x 720
  - Up to 30 fps at 640 x 480 and 320 x 240
» Audio support:
  - Full duplex
  - Bandwidth: G.711 ?-law, A-law and AMR
  - 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
 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

### Wireless
- **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)
- **Data encryption:** WEP (64-bit & 128-bit), WPA- and WPA2-PSK (with TKIP and AES authentication)
- **Antenna:** single detachable dipole antenna with RP-SMA connector, 2 dBi gain
- **Operation modes:** Infrastructure, Ad Hoc

### Image Sensor and Lens
- **1/4" Micron Progressive Scan CMOS sensor**
- **1.3 Megapixel resolution (1280 H x 1024 V)**
- **S/N ratio:** 44 dB (max.)
- **Pixel size:** 6.0 µm x 6.0 µm
- **Manual brightness, contrast, saturation, hue control**
- **Day/Night function:** 6 White LEDs with a range of up to 5 m (15 ft.)
- **Minimum illumination:** 0.5 lux at F2.0, 0 lux with white LEDs on
- **Focal length:** 4.2 mm, angular field of view 46° (horizontal), object distance 0.2 m to infinity
- **Maximum relative aperture F1.8**

### 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:** 12 Watts (maximum)

### LEDs
- **Power**
- **Network connection**
- **Camera operation**

### Environmental
- **Dimensions:** 104 (W) x 63 (L) x 35 (H) mm (3.8 x 2.3 x 1.2 in.)
- **Weight:** 0.13 kg (0.29 lbs.)
- **Operating temperature:** 0 – 45°C (32 – 113°F)
- **Operating humidity:** 20 – 80% RH, non-condensing

### System Requirements
- **Pentium 4 2.8 GHz (or equivalent AMD)**
- **256 MB RAM video card**
- **Windows 2000, XP, Vista, Windows 7, Linux, Mac OS X Leopard 10.5**
- **Computer with network connection**
- **Web browser support:**
  - MS Internet Explorer 6.0 or higher (ActiveX)
  - Mozilla Firefox 3.x (Java)
  - Safari (Java)

### Package Contents
- **NSC16-WG Megapixel Network Camera**
- **User manual**
- **Camera mounting bracket**
- **External power adapter**
- **Software CD**
- **Antenna**
For more information on INTELLINET NETWORK SOLUTIONS products, consult your local dealer or visit www.intellinet-network.com.

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