



## Pro Series Wireless Night Vision Network Camera

MPEG4 + Motion-JPEG Dual Mode, CCD, Day/Night, IR Lens, PAL

Part No.: **550307**

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The INTELLINET NETWORK SOLUTIONS Pro Series Wireless Night Vision Network Camera, Model 550307, is designed for daytime and nighttime security surveillance applications, and comes fully equipped with state-of-the-art features, setting it apart from other network cameras on the market today.

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

The Pro-Series Night Vision Network Camera is equipped with an IR lens which automatically engages as the light levels drop. The camera also supports third-party IR illuminators, allowing for the surveillance of larger areas.

### Superior Video Quality

Because the Pro-Series Network Camera uses a CCD sensor, it provides sharp video images with dramatic lifelike color representation.

### Dual Mode: MPEG4 + Motion-JPEG

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 (the law in most countries only accepts JPEG video format as evidence in court). 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.

### Wireless 802.11g and 100Base-TX

Go wireless or wired, or both at the same time. Benefit from the extended distance of the integrated wireless Prism module. Supports WEP, WPA and WPA2 encryption for wireless security. Connect a higher-gain antenna to extend the wireless transmission range.

### Bi-Directional Audio Support

Attaching a microphone and loudspeakers to the Pro-Series Network Camera will allow you to listen and talk using the two-way audio support. This is ideal for most security and surveillance applications, but can be applied to provide cost-effective video conferencing, as well.

### Power over Ethernet

The Pro-Series 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.

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

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### Lifetime Warranty

Strict manufacturing standards ensure the highest quality in all INTELLINET NETWORK SOLUTIONS products. All items carry a full Lifetime Warranty — the strongest quality commitment anyone can make.

### Features:

- 1/3" SONY Super HAD CCD image sensor for excellent image quality
- Up to 25 frames per second in all image resolutions
- Supports image resolutions up to 720 x 576 (D1)
- Supports 54 Mbps Wireless 802.11g with WEP, WPA & WPA2 encryption
- For surveillance in low light or nighttime conditions, minimum 0 lux (complete darkness)
- Equipped with an IR lens with 12 IR LEDs and 1 IR sensor
- IR sensitive, supports external IR Illuminators
- Integrated motion detection with pre- and post-alarm image/video buffering
- Event-triggered FTP and email upload of still images and videos
- Audio support, full duplex, up to 3.4 kHz
- External microphone input connector
- External speaker output connector
- Terminal block for external sensors or external alarm devices
- Supports MPEG4 streaming and Motion-JPEG direct image access
- Supports MPEG4 video streaming with CBR (constant bit rate) and VBR (variable bit rate) modes
- Controllable frame rate
- Video access through any standard Web browser
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- Integrated HTTP Web server supporting 50 simultaneous user connections
- Integrated email, FTP, DDNS and DHCP client
- Extensive CGI API for software integration and remote programming operations
- Easy to use OCX for MS Visual Studio applications
- Including Windows-based IP Installer and Multi-Viewer software for up to 4 cameras
- Lifetime Warranty

### Specifications:

#### Standards

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

#### General

- 32-bit ARM9 RISC CPU
- 16 MByte video frame buffer

- Image buffer: 200 frames (CIF)
- 8 Mbyte flash memory
- 32 Mbyte SDRAM
- Supported image resolutions: D1 (720 x 576), VGA (640 x 576), CIF (352 x 288)
- Audio support:
  - Full duplex
  - Bandwidth: 300 Hz to 3.4 kHz
  - Audio input: 3.5 mm / 1.8" microphone input jack
  - Audio output: 3.5 mm / 1.8" speaker output jack
- Protocols supported: TCP/IP, UDP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, RTSP, RTC
- Certifications: FCC Class B, RF: EN300328, EMC: EN301489-1/-7, Safety: EN60950-1

#### 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
- Preamble modes: long, short, auto

#### Image Sensor and Lens Specification

- 1/3" SONY Super HAD CCD sensor
- 470k pixel array
- S/N ratio: > 48 dB
- Video output: 1.0 Vp-p (75 Ohms, composite)
- Automatic white balance control
- Image Control: Brightness, Contrast, Saturation, Hue and Color killer
- Minimum illumination: 0 lux with IR LEDs on
- Electronic shutter: 1/50 - 1/10,000 sec.
- Focal length 6.0 mm, angular field of view 53°, object distance 1 m to infinity
- 12 IR LEDs, effective range 10 m (30 ft.)

#### LEDs

- Power
- Network connection
- Camera operation

#### Environmental

- Dimensions: 87 (W) x 158 (L) x 45 (H) mm (3.4 x 6.2 x 1.8 in.)
- Weight: 1.1 kg (2.34 lbs.)
- Operating temperature: 0 – 50°C (32 – 122°F)
- Operating humidity: 20 – 80% RH, non-condensing
- Storage temperature: 0 – 60°C (0 – 149°F)

#### Power

- External power adapter: 12 V DC, 1.5 A
- Power consumption: 3.0 Watts (maximum)

#### System Requirements

- Windows 2000, XP, Vista, Linux, Mac OS X
- Computer with network connection
- Web browser support:
  - MS Internet Explorer 5.0 or higher (ActiveX + Java)
  - Mozilla 1.x, Mozilla Firefox (Java)
  - Netscape Navigator 6.0 or higher (Java)
  - Opera (Java)
  - Safari (Java)
  - Konqueror (Java)

#### Package Contents

- Pro Series Wireless Night Vision Network Camera
- User manual
- External power adapter
- Software CD

