IBC-637IR Outdoor Night Vision Megapixel HD Network Bullet Camera

IP67-Rated Outdoor Bullet-Style IP Camera with 720p HD Resolution, Wide Dynamic Range, IR Day/Night Capability, Multi-Format (H.264, MPEG4, M-JPEG, 3GPP) Video Streaming and 802.3af PoE Compatibility
Part No.: 551366

The Intellinet IBC-637IR Outdoor Night Vision Megapixel HD Network Bullet Camera is the ideal solution for your demanding security surveillance and remote monitoring applications. It can be used for day or night viewing, and comes in a rugged enclosure for protection against dust and water to keep it in proper operating temperatures.

Excellent Video Quality in Megapixel Resolution

The IBC-637IR Outdoor Night Vision Megapixel HD Network Bullet Camera is equipped with a Megapixel image sensor that generates crystal-clear images in resolutions of up to 1280 x 800 pixels, providing a very 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.

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

The IBC-637IR provides better image quality while consuming less network bandwidth thanks to the integrated H.264 video compression. The IBC-637IR 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.

Surveillance 24 Hours a Day, Even in Complete Darkness

This camera is equipped with active high-performance IR LEDs which automatically engage as the light levels drop and provide an effective view range of up to 15 meters (50 ft.). The camera also supports third-party IR illumination, allowing for the surveillance of larger areas.

WDR Enhanced Video Surveillance

WDR stands for Wide Dynamic Range and allows the Intellinet network bullet cameras to capture video in areas with high contrasting objects; e.g., extremely bright and extremely dark. In a normal camera, if an object in a darker area of the image frame is next to a bright area — for example, a person in a shadow is next to an area with bright sunlight — then the person in the shadow would be very dark to the point of becoming indistinguishable from the background. The human eye, by contrast, can handle these differences much better. With WDR, the dynamic range of the camera is greatly enhanced. As a result, you can now clearly see the person in the shadow while the rest of the frame is still correctly exposed, just as if if was seen through the human eye.

SSL Encryption

Secure network connections using data encryption between the camera and the network client for additional data security.

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.

www.intellinet-network.com

Power over Ethernet

The IBC-637IR Outdoor Night-Vision Megapixel 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.

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Features:

- Progressive-Scan 1-megapixel CMOS image sensor for crystal-clear images
- Supports image resolutions up to 1280 x 720 (720p)
- Supports simultaneous H.264, MPEG4 and Motion-JPEG image compression
- IP67 rated, waterproof and dust tight
- For surveillance in low light or nighttime conditions, minimum 0.2 lux
- Wide Dynamic Range (WDR) automatically adjusts to deliver high-quality video even in the most difficult lighting conditions
- Infrared LEDs with 15 m effective range
- IR sensitive, supports external IR illuminators
- Supports multiple simultaneous H.264, MPEG4, Motion-JPEG and 3GPP video streams
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- ONVIF compliant
- 10x digital zoom
- 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
- Event-triggered FTP and e-mail upload of still images and videos
- Mobile phone streaming live video through 3GPP/ISMA RTSP
- Supports privacy zone and text overlay functionality
- 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
- Easy-to-use 16-channel camera viewing and recording utility included (not compatible with NSC10 and NSC18 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)

• Open Network Video Interface Forum (ONVIF) V 2.2

General
• 32-bit ARM9 RISC CPU
• 8 MByte flash memory
• 64 MByte SDRAM
• Supported image resolutions: 1280 x 800, 1280 x 720 (720p HDTV) , 640 x 480 (VGA), 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 30 fps at 1280 x 800
• Uni- and Multicast
• 1 x analog video out BNC connector
• Protocols supported: TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP, Bonjour, ONVIF 2.2
• Certifications: FCC Class B, RoHS, CE

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

Image Sensor and Lens
• 1/4" Micron Progressive Scan CMOS sensor
• 1.0 megapixel resolution (1,280 H x 720 V)
• S/N ratio: 39 dB (max.)
• Pixel size: 3 µm x 3 µm
• Manual brightness, contrast, saturation, hue control
• Minimum illumination: 0 lux with IR LEDs on
• 3 x high-performance IR LEDs, effective range 15 m (50 ft.)
• IR wavelength: 850 nm
• Mechanical IR cut filter with 3 settings: On, Off and Auto (with adjustable threshold)
• Focal length 4.0 mm, horizontal field of view 53?
• 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)

Power
• External power adapter: 12 V DC, 1.0 A
• Built-in IEEE 802.3af PoE (Power over Ethernet)
• Power consumption:
- 3.3 W without IR
- 7 W with IR on

LEDs
• Power
• Network connection
• Camera operation

Environmental
• Housing: aluminum, weatherproof IP67 rated
• Dimensions: 270 (L) x 69 (?) mm (10.6" x 2.7" in.)
• Weight: 1.3 kg (2.8 lbs.)
• Operating temperature: -10 – 50°C (-14 – 122°F)
• Operating humidity: 20 – 80% RH, non-condensing
• Storage temperature: 0 – 60°C (0 – 149°F)

System Requirements
• Pentium 4 2.8 GHz (or equivalent AMD)
• 256 MB RAM video card
• 1 GB RAM
• Windows XP, Vista, Windows 7
• Computer with network connection
• Web browser support:
- MS Internet Explorer 9.0 or higher
- Mozilla Firefox 16, Google Chrome
- Safari

Package Contents
• IBC-637IR Outdoor Night Vision Megapixel HD Network Bullet Camera
• User manual
• Camera mounting bracket
• Software CD