



IDC-832 HD Network Mini-Dome Camera

720p HD, WDR, H.264, MPEG4, M-JPEG, 3GPP, PoE, MicroSD

Part No.: **551427**

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The Intellinet Network Solutions IDC-832 HD Network Mini-Dome Camera is designed for discreet indoor 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 IDC-832 Mini-Dome is equipped with a 1-megapixel sensor that generates crystal-clear images up to 1280 x 800 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.

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

The Intellinet Network Solutions IDC-832 Network Dome Camera provides outstanding video quality while consuming less network bandwidth thanks to integrated H.264 video compression. The IDC-832 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.

Ultra-Compact

With a diameter of less than 10 cm (4 in.), the Intellinet Network Solutions IDC-832 is one of the smallest network dome cameras on the planet (to put it in perspective, modern smart phones at a length of 13 cm (5 in.) are actually larger). Discreet and unobtrusive yet powerful and loaded with features, that's what the IDC-832 Mini-Dome camera stands for.

WDR Enhanced Video Surveillance

WDR stands for Wide Dynamic Range and allows the Intellinet Network Solutions network dome 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 it was seen through the human eye.

Power over Ethernet

The Intellinet Network Solutions IDC-832 Megapixel Mini-Dome Camera is powered via the IEEE 802.3af standard. Simply plug the camera into a PoE-compliant switch or injector (not included) and begin transmitting power as well as data over the Cat5e or Cat6 network cabling. The camera's low power usage of just 3 watts allows it to be operated with regular IEEE 802.3af-compliant PoE injector.

Video Storage

The IDC-832 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 Network Solutions IDC-832 Network Mini-Dome Camera offers a secure network connection via data encryption between the camera and the network client.

Features:

- Progressive-Scan 1-megapixel CMOS image sensor for crystal-clear images
- Supports image resolutions up to 1280 x 720 (720p)
- Ultra-compact, less than 10 cm (4 in.) in diameter
- MicroSD memory card slot for local storage
- Two-way audio with integrated microphone
- Wide Dynamic Range (WDR) automatically adjusts to deliver high-quality video even in the most difficult lighting conditions
- Supports low light conditions, minimum 0.2 lux
- 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
- 3-axis rotation for easy camera angle adjustment
- Excellent image quality with 30 fps full-motion video in all image resolutions
- 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)
- Power supply not included, PoE injector must be purchased separately
- Three-Year Warranty

Specifications:

Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- Open Network Video Interface Forum (ONVIF) V 2.2

General

- FA626TE ARM9 V5TE CPU
- 16 MByte flash memory
- 128 MByte SDRAM
- Supported image resolutions: 1280 x 800, 1280 x 720 (720p HDTV) , 640 x 480 (VGA), 320 x 240 (QVGA) and 160 x 120
- 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, ONVIF 2.2
- Certifications: FCC Class B, RoHS, CE

Connectors

- LAN connector: RJ45 port to connect to 10/100 Mbps Ethernet
- Terminal block for 1 alarm input and 1 output
- MicroSD/SDHC memory card slot
- Hardware reset button

Image Sensor

- 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 μ m x 3 μ m
- Minimum illumination: 0.2 lux at F1.8
- Manual brightness, contrast, saturation, sharpness, exposure
- Shutter: 1/2 - 1/10000 sec.

Lens

- Fixed focal megapixel lens
- Focal length 4 mm
- Angle of view: 53.0° horizontal
- 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 DC power adapter: not supported
- Power has to be provided by a IEEE 802.3af PoE injector (not included)
- Power consumption: 3.0 watts (maximum)

LEDs

- Power
- Network connection

Environmental

- Housing:
 - Top: PC + ABS
 - Bottom: Aluminum
- Dimensions: 60.6 (h) x 99 (d) mm (2.4 x 3.9 in.)
- Weight: 0.3 kg (0.66 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
- 1 GB RAM
- Windows XP, Vista, Windows 7
- Computer with network connection
- Web browser support:
 - MS Internet Explorer 8.0 or higher
 - Mozilla Firefox 15, Google Chrome
 - Safari

Package Contents

- IDC-832 HD Network Mini-Dome Camera
- Quick installation guide
- User manual
- Hardware installation guide
- Mounting hardware
- Software CD

