

Iris Camera

Model number: IRIS101

The Iris camera is a digital video surveillance device with integrated GPRS wireless connectivity and motion detection.

The basic functions of the camera are as follows:

- Captures images with a colour CMOS camera module.
- Compresses captured images.
- Transfers compressed images over GPRS to the remote server on request.
- Uses integrated Passive Infra-Red sensor to perform motion detection when in alarm mode.
- Can locally store and upload pre/post alarm event images.

CMOS Camera Module

- Colour, 160x120x24bit transmitted image, fixed focus lens.

Processor

- 400MHz 16-bit DSP providing capture and compression capability up to 15 fps allowing for future data rates (e.g. EDGE, 3G).

Flash

- 4MB Non-volatile storage of application software and configuration settings.

RAM

- 16MB RAM for codespace and local image storage.

GPRS Module

- Class 10, quad-band (850/900/1800/1900 MHz).
- CE, FCC and IC approved

SIM

- 3V GPRS data-enabled SIM integrated into GPRS module.

Antenna

- Internal PCB type, quad-band (850/900/1800/1900 MHz).

PIR

- Fresnel lens integrated into sensor.

Status Indicators

- LEDs indicating power on/off, alarm on/off, connectivity, transmission.

External Power Supply

- Input: 100-240V AC 50-60Hz.
- Output: 7.5V DC @ 1.0A minimum.
- Will operate on any 7V-15V DC 1.0A input

Power Management

- The power management circuitry supports smart battery charging.

Ancillary Support Devices

- Power-on reset circuitry for smart recovery after power loss.
- On-board real-time clock for timestamping of images.

Enclosure

- Weatherproof injection moulded plastic enclosure.
- External switch to soft switch power on/off. Allows the camera to attach/detach to the GPRS network cleanly.

Battery

- 1650mAh Lithium-ion battery provides ~ 30 minutes of video transmission capability in the event of power failure.

Wall Bracket / Table Stand

Universal wall bracket / stand meets all installation requirements.

Illuminator

- Integrated LED illuminator provides improved low-light performance
- Automatic low-light detection
- Optional PIR activation mode for added deterrent effect

Notes

- The Iris camera does not support local display of images.
- The Iris camera does not provide a direct analog or digital video output, images are transferred over the GPRS wireless network.
- The Iris camera does not support direct incoming connections over GPRS or GSM – it will only connect to, and send images to, the Iris server.
- The user has no direct interface to the Iris camera, other than to switch it on/off or reset it. All configuration setups are performed via IrisPlayer client software either on a mobile phone, or through a web portal.
- The SIM card is integrated into the device and cannot be changed as a routine user operation.