

IBP SERIOUS CRIME SOLUTIONS

raid-cam™ External GPRS

EXTERNAL BATTERY POWERED COVERT GPRS CAMERA



Colour Camera for Daytime operation

raid-cam™ External GPRS is a rugged outdoor standalone surveillance camera with inbuilt GPRS modem, digital image recording function, integrated night vision and inbuilt Solar Panel to give extraordinary long battery life.

It is the first product to be released as part of a new Solar Smart® range of surveillance cameras and is a bundled product consisting of a wireless surveillance camera, re-chargeable battery, remote control, 2GB memory card, card reader, battery charger and PC configuration software.

The camera captures high-resolution black & white images when motion is detected and emails a selection of these to a monitoring station or mobile phone as well as storing all the high resolution images to a removable memory card for easy viewing later, on a computer or PDA. The camera can also be powered by an external 12VDC power source and can be externally triggered from a gate or door opening.

Outdoors in time lapse mode using its inbuilt Solar panel to recharge the battery during the day, **raid-cam™ External GPRS** can capture and transmit wirelessly, one image every 5 minutes at night time without ever requiring the battery to be re-charged. Similarly, if Motion activated, it can capture and transmit up to 150 images every night without ever having to charge the battery.

In busy environments where the Camera may capture and transmit up to 330 images per night, the battery would still last around one month. The camera can store up to 65,000 VGA images and will optionally overwrite the oldest images when the memory card is full to enable 'set and forget' operation.

raid-cam™ External GPRS is also available with a colour camera for daytime operation with optional 16mm or 8mm telephoto lenses.

Main Features

- Unique Solar Smart® "standalone" outdoor wireless (GPRS) surveillance camera
- Operates indefinitely, taking up to 150 photos per night using its Solar Powered battery
- "Set & Forget" operation
- Inbuilt invisible IR Flash for true covert night vision
- Motion activated or time lapse mode
- Compact, lightweight and portable
- Rugged UV resistant weatherproof case (IP65) for outdoor use
- Customised image-capture sequence and image encryption
- Time and date stamped images with programmable text overlay
- Flexible scheduler for independent arming and disarming of camera
- Digital signature inc. camera ID, in each image for integrity verification
- Optional Colour camera available for daytime operation
- Optional 16mm or 8 mm Telephoto lens



B&W Camera with Night-Vision

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Image Type

Black & White or Colour, JPEG compressed
VGA (640x480pixels), QVGA (320x240)

Camera Lenses

Wide angle: 3.3mm, AOV: 73°(D) x 61°(H) x 47°(V)
Telephoto: 16mm, AOV: 17°(D) 8mm, AOV: 40°(D)

Image Sensor Sensitivity

Colour: 3.8 V/Lux-sec **B&W:** 4.9 V/Lux-sec

Motion Sensor (PIR)

Range: 0-5 m (16')(Min), 0-10m (33')(Typical)
Field Of View: 38° horizontal, 22° vertical

Inbuilt Flash Options

Type: Invisible IR LED **Range:** 0-3m (9.8')
Type: Visible IR LED **Range:** 0-5m (16.4')

Inbuilt Solar Panel

Power output = 0.17W (Full sunlight)

Memory Card

MMC™ Card (v4.2) or SD™ Card (v1.1), FAT16 file format

Storage Capacity (B&W)

2GB Memory Card: VGA: 65,000 images, QVGA: 65,000 images

External Power Supply

(Battery must be connected for IR spot)

5 VDC, 300mA
9 VDC to 24 VDC, 300 mA (with optional interface board)

Internal Battery Capacity

Very High Capacity (VHCB) – Lithium Ion, 3.7V 7.5 Ah

Power Consumption

Standby: 1.9 mA, Running: 100 mA, Running with IR: 900 mA

Case Dimensions

84 x 144 x 72 mm (3.3" x 5.7" x 2.8"), IP 65

Weight

350g (12 oz) - including battery

Operating Temperature

-20°C to +60°C (-4° F to 140° F)

PC Software Requirements

Windows 2000 (SP4), Windows XP (SP2), Windows Vista

Modem Specifications

Cellular Bearer

GSM + GPRS Class

Radio Bands

Quad band 850/900/1800/1900

Approvals

R&TTE, CE, GCF, FCC, PTCRB, China RTE, AT&T

Nominal Sensitivity

850/900 Mhz Rx: 104dBm

Power Consumption

Sleep: 17 uA, Idle: 1.7 mA, GPRS (33dBm): 300 mA

Dimensions

65 x 45 x 15 mm (2.6" x 1.8" x 0.6")

Weight

20g (12oz)

Operating Temperature

-20°C to +55°C (-4° F to 131° F)

