



**“safety commitment  
beyond words”**

**VESTA 1923 - The Family & Home Security Management Kit**



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# Vesta1923

For the better tomorrow



# System Introduction

## Keep an eye at home

The Vesta system is a plug-n-play GPRS/GSM Wireless Alarm System that offers Video Verification & Remote Look-In. Instant alarm scene images will be captured for you to check and verify what is happening in the premise. Supports up to 6 battery-operated Vesta cameras which features both PIR Motion Sensor and Image Capturing. When an alarm is triggered, 3 images are captured: Pre-Alarm, Alarm-Event, and Post-Alarm. The event code & images are reported to the Central Monitoring Station and the mobile phone /email box of the user. This immediate image report allows you to respond right on the minute!

## Image at your request

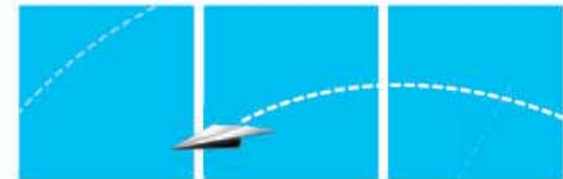
While you are away, authorized users may send a SMS text messages to the Vesta to request for a real-time snapshot. Once authenticated, the Vesta will respond by sending back an image to the user's mobile phone. This direct access guarantees instant response and guards your privacy.

## Powerful security system

The Vesta system supports up to 6 Vesta cameras and 80 standard wireless peripherals – an all-around solution for your home security!



**Vesta**  **Speciality**





# Vesta Panel

## CTC-1923

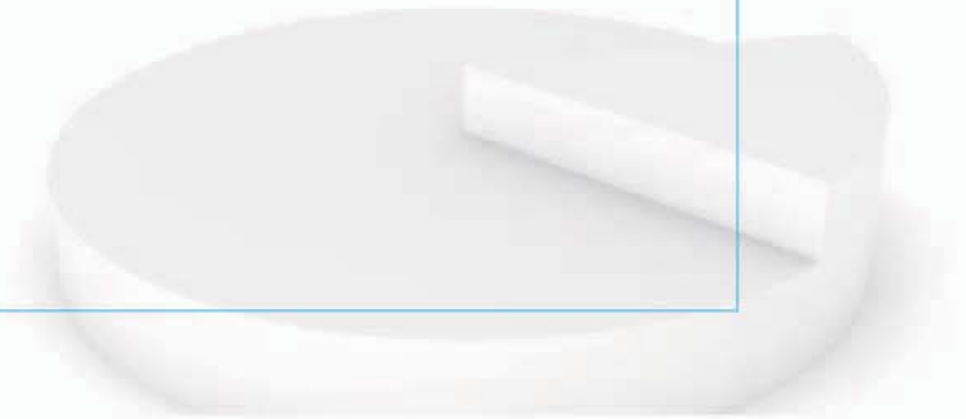


### Features:

- Fast deployment, plug-n-play installation
- Complete wireless solution, for residential and small business applications
- A total of 80 zones (40 zones in 2 areas or 80 zones in 1 area)
- Up to 6 Vesta cameras
- Arming modes: Away / Home / Day Home / Night Home
- Alarm event reporting:
  - Contact ID Protocol over TCP-IP/GPRS/SMS/GSM
  - SIA Protocol over GPRS/SMS
  - Images transmission over MMS/Email over GPRS/FTP to server
- End-user notification by MMS/SMS/Email
- Remote Control of system activation and camera image requests, using authenticated SMS commands
- Advanced image wireless link:
  - 2-Way supervised radio network
  - 128-bit encryption key, Supervision every 10 sec
  - 2.4Ghz DSSS (Direct-Sequence Spread Spectrum)
  - Diversity antenna
- Back Tamper detection protects the unit from unauthorized opening and removal
- 1 relay output, NO/NC programmable, with capacity of 1A
- 1 relay input, NO/NC programmable
- 12V DC input for external power source
- A user-friendly 16 x 2 characters backlit full text LCD display
- System status indication LED's

### Specifications:

- Quad band GPRS/GSM communication (850/900/1800/1900)
- Image transmission: MMS/Email/FTP to server
- Wireless video channel: 2.4GHz, DSSS
- Alarm output: 104db @ 1M
- Power: 12V DC 1A
- Back up battery: 1600 mAh Ni-mH rechargeable battery x 6
- Battery back up time: 10 hours
- Frequencies: 433 MHz / 868.6375 MHz Narrowband FM / 868.35 MHz FM
- Range : 433 MHz: over 200 meters in open space  
868.6375 MHz Narrowband FM or 868.35FM: over 300 meters in open space
- Dimension: 255 x 172 x 39.6 mm



# Vesta Camera

## CTC-852



### Intuitive and Innovative – A PIR motion sensor combined with a high-quality VGA and rapid image acquisition color camera

Vesta camera is battery-operated, ultra compact and sleek in design. It is plug-n-play and requires no technical knowledge to setup. No adjustment or alignment is required.

An advanced authenticated two-way encrypted wireless link (2.4GHz, DSSS) is to ensure excellent indoor coverage and the transmission of High Resolution Color VGA images. These vivid color VGA images deliver the alarm scene in full detail, allowing you to respond immediately.

Also, it enters Sleep Mode when in disarm mode, thus conserves energy and ensures long battery life.

### Features:

- Easy plug-n-play installation
- 3 images upon alarm event with Pre-, alarm-event, and post-alarm
- 1 image upon remote image request
- Night surveillance up to 5 meters
- Low power consumption & long battery life
- High resolution color VGA images
- Secure & long RF range

### Specifications:

- PIR detection range: 10 meters
- Lens: VGA CMOS camera, JPEG 320X240, less than 15KB per image
- Frequency: 2.4 GHz DSSS, 2-way supervised
- Battery: AA 3.6V lithium battery X 2
- Battery Life: 4 years (based on 1 image transmission every 2 days & PIR on 8 hrs/day)
- Dimension: 100 x 50 x 43 mm



# CTC-852

vesta camera



# Sensor Compatibility



Vesta Basic Kit Contents

Vesta . Cameras .  
Wireless peripherals  
( Optional )



Vesta CTC-1923



Vesta Camera DC IR RC



Vesta Camera IR DC RC WTR BX SD