

# ARK9650 - SUREGUARD - Local Area Protection System



## KEY FEATURES

- Rapidly deployable VIP Local Area Protection System.
- Full system capability in typically 45 minutes.
- External and Internal Cameras, Passive Infra Red (PIR) sensors, Door and Window Sensors, Panic Button Alarms.
- Operates over wireless links to a central Monitoring Station.
- Battery powered sensors.
- PIR activated Internal and External Cameras; low quiescent current maximising battery life.
- Video images displayed on full or quad-split screen.
- Automatic recording of video images (DVR).
- Monitoring Station operator provided with separate LCD to identify the alarming sensor.
- Alarms sent to hand-held Pagers.

## Typical System

- 2 External Cameras
- 2 Internal Cameras
- 4 Internal PIRs
- 4 Window/Door Sensors
- 2 Panic Alarms
- 6 Pagers

## Sensor Configuration (Maximum)

- 8 External Cameras
- 8 Internal Cameras
- 16 Internal PIRs
- 16 Window/Door Sensors
- 16 Panic Alarms
- 12 Pagers
- 4 Transmitter Hubs (for extended range operation)

## Specification

### External Camera (Scout Sensor)

Optical:	12mm lens Black and White Camera (0.003 lux)
Operating Frequency (Video):	1200 MHz band (2 Channels)
P.I.R. Detection Ranges:	ARK9134 Personnel @ 40m
Dimensions:	130mm x 78mm x 55mm
Weight:	1kg (including batteries and PIR)
Battery:	Internal 14.8v 2.2Ah Lithium Ion (Rechargeable)
Battery Life:	30 days Nominal (Assumes one alarm per hour)
Anti-Tamper:	Automatic Activation of camera



Sensors Case

### Internal Camera

Optical:	Pinhole Black and White Camera (0.003 lux)
Operating Frequency (Video):	2400 MHz band (2 Channels)
On Time:	10 seconds to 10 minutes (in steps)
Dimensions:	20mm x 70mm x 50mm
Weight:	250g (including battery)
Battery:	Internal 8.4v 1.8Ah Lithium Ion (Rechargeable)
Battery Life:	25 days Nominal (Assumes 1 alarm/hour, 10 seconds transmit)
Anti-Tamper:	Automatic alarm on removal of cover

### Internal PIR, Door / Window Sensor, Panic Button Alarm

Operating Frequency:	400MHz band
Anti-Tamper:	Automatic alarm on removal of cover (Internal PIR only)

### Base Station

Indicators:	Front panel LED indicates activated sensor/low battery
Pager Operating Frequency:	150MHz band
Scout Low Battery Alarm:	Panel Indicator
Recorded Picture Quality:	Super, High, Fine, Normal and Low
Video Recording:	Digital Video Recorder Up to 22 hours at full Frame Rate
Hard Disk	160 GBytes (MPeg Compression)
Weight:	10kg
Dimensions:	46cm x 33cm x 13cm
Power:	Internal 14.8v Lithium Ion Batteries 13.2Ah (Rechargeable)
Battery Life:	6 hour nominal. (Normally operated from Mains or an external Battery Pack).
Monitor:	15" Flat Screen LCD - Indicates sensor ident, date & time of alarm Resolution 1024 x 768 (XGA)

### Transmitter Hub (Extended Range Operation)

Operating Frequency (Alarms):	150 MHz band
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Internal PIR



Window/Door Sensor



Panic Button Alarm



Pager

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