Intelligent Surveillance & Security Systems

SGR-1

Weapon Station (Optional)
- Lethal / Non-lethal weapon
- Universal Gun Mount

Tracking Module
- Low light, High resolution Camera
- Illuminator
- Laser Range Finder

Surveillance Module
- Low light, High resolution Camera
- Thermal Camera

The SGR-1's Tracking and Surveillance Modules operate independently of each other. This allows targets to be tracked while the surveillance module continues to search for other targets. With the SGR-1 there are no blind-spot

TRACKING CAPABILITY

The Tracking Module has been designed to select and track prioritized targets either automatically or through manual selection.

SUPPRESSION (OPTIONAL)

The optional weapon station allows for remote operation of lethal and non-lethal weapon systems. Due to unexpected intrusions it often calls for immediate action of the SGR-1, in these circumstances the operator can provide suppression while the strike teams are en-route to the area.

Lethal weapons are mounted on a stabilized platform offering a pinpoint accuracy target. Non-lethal systems such as acoustic devices, spot lights offer very effective suppression for a wide range of applications.

Lethal Weapon

Acoustic Device

Universal Gun Mount

SGR series

Samsung Techwin's state-of-the-art SGR series have been designed to provide high-end protection for demanding critical security applications. Forming part of a full security solution, the SGR series combines technology and image processing to provide unprecedented levels of multiple human and vehicle detection and tracking over a wide area, regardless of weather or other environmental issues. This innovate technology consists of multiple integrated systems to make security more effective than ever.

ADVANCED Security Systems

SURVEILLANCE CAPABILITY

The SGR series contain both a low light optical camera and thermal camera for uninterrupted 24/7 detection in all weather conditions.

FAST & ACCURATE SERVO SYSTEM

The SGR series' servo motor technology ensures extreme reliability, giving pinpoint accuracy, stable tracking and quiet operation of fast moving targets.

DIVERSE OPTIONS

The multi modular options, such as; laser range finder, laser illuminator, GPS and digital compass connect to the SGR series together they can be integrated into existing security surveillance systems, a standalone system or even as part of a network.

RUGGED STRUCTURE

Extremely reliable mechanical structure provide 24/7 all year round operation capability, even under harsh environmental conditions.

SGR-2

- Thermal Camera

- Low light, High resolution Camera
- Laser Range Finder

Intelligent Surveillance Security Gard Robot   SGR - 2

SGR-2 is a modular security system that consists of thermal camera and CCD camera with a laser range finder. There is a number of thermal imaging and CCD cameras are available offering differing ranges and fields of view.

LIGHT & COMPACT DESIGN

SGR-2's design is highly flexible, allowing it to be either a fixed mounted or transportable devise. Lightweight and compactness of the SGR2's structure makes it ideally suited for mobile operations and fast deployments.

TSM (Total Surveillance Manager)

Samsung Techwin's advanced TSM Software has been designed to seamlessly integrate the SGR series with the multiple surveillance devices connected to and around it in order to provide a very powerful, easy to manage solution for the entire security system. An independent mobile control console is also available for direct control of the SGR series with options for intelligent camera connection.

Wire / Wireless Application
Network Connection
Video Display Panel
Panorama / Preset Monitoring
Digital 3D Map
Communication Equipment
Firing Control

OPERATING SOFTWARE

Object oriented architecture, fully customizable screens, software integration and ease of use make the operation software very powerful, yet easy to use.

POWERFUL NETWORK CAPABILITIES

Multiple control centers can be connected via the network to ensure the system can be administered and controlled from different sites.

Control Center

Control Center

Control Console

INTEGRATED Security Systems

The Systems can be integrated with multiple sensors and other surveillance equipment to create the ultimate surveillance solutions.
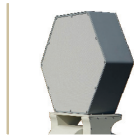
INTELLIGENT CAMERA

Separate Intelligent Cameras can be utilized to provide video analysis for subject detection over a large area.

GROUND SURVEILLANCE RADAR

Ground Surveillance Radar provides accurate target positioning in harsh weather allowing detection and location of moving objects.
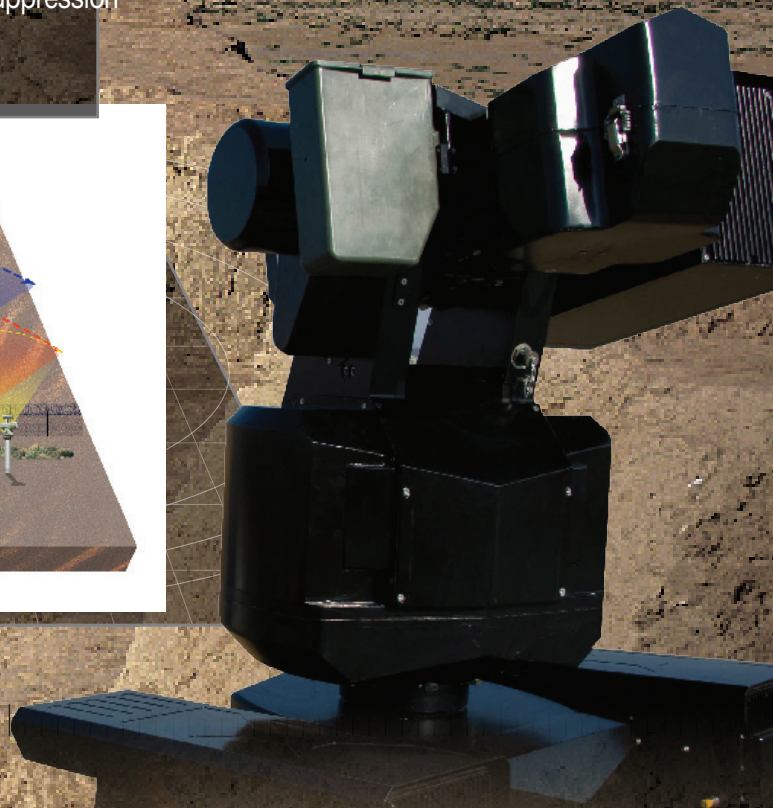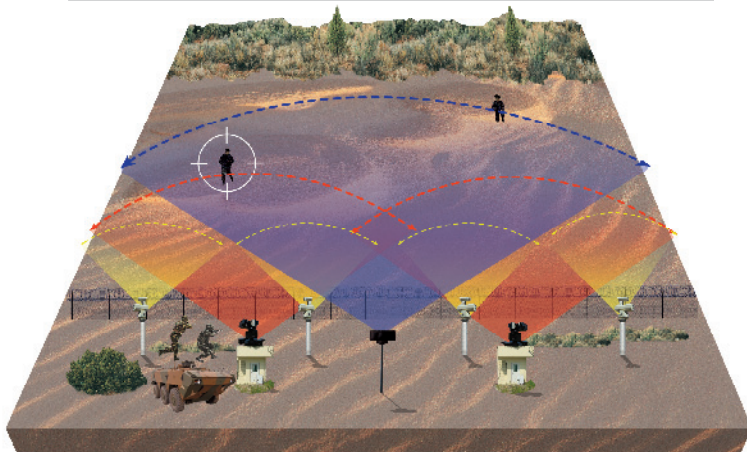
ACOUSTIC DEVICE

Acoustic Device allows vocal communication with subjects to issue warning and give information remotely. It can also be used to suppress the targets by emitting a very loud alarm.

TACTICAL OPERATIONAL CONCEPTS

- **Ground Surveillance Radar** : Wide area surveillance
- **SGR Series** : Target Detecting / Tracking / Suppression
- **Intelligent Camera** : Target Detecting
- **Strike Team** : Rapid response

Applications

Samsung Techwins's SGR series can be used in a wide range of applications for various industries. Essentially any site where security is critical can benefit from the SGR series. It is able to seamlessly integrate with existing systems to meet specific needs of individual sites.

APPLICATION AREAS

Border Security
Territorial Perimeters, Coasts

Transportation Security
Airports, Seaports

Critical Infrastructures Security
Power Plants, Pipelines, Dams, Historic Sites

Military Bases Security
Ordnance depots, Airforce Bases

ADVANTAGES

Samsung Techwin provides intelligent security systems by utilizing a wide range of technologies and products. The systems are designed and optimized through integration of various devices which operate effectively and efficiently to achieve a high level of security.

Customer Requirements

System Design

Control Center

Ground Radar

Intelligent Camera

Upper Level Systems

SGR-1

Controle Console

SGR-2

Optic -Fiber / Wireless (Selective)

Optic -Fiber / Wireless (Selective)

Advantages

- Extremely effective remote surveillance solutions
- Gives an immediate response to threats
- Directs strike teams to problem areas, rather than relying on patrols
- Reduces potential treats
- Minimizes man power