

ACCESS AND ENTRANCE CONTROL SOLUTIONS



Viguard Flap Barrier



Viguard Automatic Boom Barrier



IQ-Verifi Plus



Viguard Plus Tripod Turnstile



Tyre Killer



Viguard Full Height Turnstile

SCANNING AND SCREENING SOLUTIONS



Door Frame Metal Detector



Baggage Scanner



Hand Held Metal Detectors



Under Vehicle Scanning System



X-ray Detector System

CURRENCY HANDLING EQUIPMENT



Crusader Lite



Crusader Nxt



Fitness Sorter GS 2PX



Fitness Sorter GS 3P



Swift Turbo

MONITORING & SURVEILLANCE SOLUTIONS



EyeTrace Define

FIRE AND ALARM DETECTION SOLUTIONS



FI-Warn



Eagle Alarm System





Let our systems
do the thinking...





Greetings from the house of Godrej

For over 110 years now, Godrej has been providing security solutions that reach homes, banks, offices, industries and the heart of millions across the nation. Godrej Security Solutions Division, the first Indian manufacturer of security systems, has often been hailed as the nation's leading security solution provider. The Division is aiming at horizons beyond the national borders with a vision to be the "First Choice for Total Security Solutions" The product offering broadly spans across five distinct categories and covers the entire spectrum and helps fulfill its mission, which is, 'Securing peace of mind. At Home. At Work.' Operating from the commercial capital of the country, Mumbai, Godrej boasts of one of the finest and largest factories for security equipment in India. The products are tested to stringent levels at leading testing laboratories of the country like Underwriters Laboratory in the United States of America, SP Laboratories - Sweden, VDS - Germany, BRE-UK, to name a few. Keeping pace with the technology, it has already made foray into 45 countries across the globe including the Gulf, Africa, SAARC Countries, UK, USA, Canada, Europe and the emerging markets around the world. And just as it was called a hundred years ago, even today it is quite simply called, Godrej, a company with global vision and Indian roots.



Security Solutions

The world has advanced and business demands are on the rise. With this rise there is one common problem that all companies and industrial premises, large or small encounter, that is - security. Let's face it, rigid security is absolutely essential to keep you safe from threats and intrusions. The products shown are indicative of a wide range of Premises Security Solutions and Electronic Security Solutions that we offer for Level III / Level II / Level I and across levels, protection which will ensure your complete peace of mind. Our team of experts operate closely with a network of first class quality conscious suppliers. This winning combination not only allows flexible processing of customer specific requirements, but also a competitive price structure.

We offer the following: • Carrying out Security Audit - Risk / Threat Analysis • Consulting and Development of Tailor Made Security • Detailed Drawings • Supply of Specified Products • Installation and Commissioning • Product Training for End Users • Maintenance and After Sales-Services

As consultants in the arena of Comprehensive Security Solutions, our teams are geared to look into the specific needs of all our customers and formulate a customized solution that promises to address your security concerns in a holistic manner. Coupled with services of 23 branches across India and an extensive dealership network, we are eager to ensure your peace of mind for all your security concerns.



Security Audit



Security Consultancy



Comprehensive Security Solution Provider



Annual Maintenance

LEVEL-III

These solutions work best in high risk, large sized premises when the need for security is high.

High Security

- Airports
- Banks
- Embassies
- Defense
- Currency Printing Factories
- Palaces
- Government Buildings
- Nuclear Facilities
- Corporate Buildings
- Railway Stations
- Museum
- Defense Establishments

LEVEL-I

These solutions work best in relatively low risk, smaller sized premises, where the need for security is basic.

Industrial & Private Security

- Private Villas
- Highrise Buildings
- Medium Sized Factories
- IT/ Parks
- Golf Courses
- Schools/ Colleges

LEVEL-II

These solutions work best in moderate risk, medium sized premises when the need for security is moderate

Industrial Security

- Petrochemical Plants
- Car manufacturing Plants
- Chemical Plants
- Heavy Industries
- Ordnance Factory
- Oil & Gas Terminals
- Malls
- Hypermarkets

ACROSS LEVEL

These solutions work best across levels be it high security areas or relatively lower risk small sized premises.

Universal Security

- Institutions
- Defense Establishments
- Airports
- Railways
- Places of Worship
- Large, Medium and Small Industries
- Corporate Buildings



High Security

- Electro Hydraulic Blocker
- Crash Rated Barrier
- Speed Gates
- Roadblocker
- Laser Integrated Surveillance System
- Automatic Licence Plate Reading System
- Under Vehicle Scanning System
- Narcotics and Explosive Detection System "GADE 650"
- Narcotics and Explosive Detection System "ADE 101"
- X-RAY Baggage Scanners
- Hand Held Metal Detectors
- Biometrics (IRIS / Fingerscan) ACS
- Face Detection
- Iris Reader





Crash Rated Blocker

Godrej-Blocker offers the highest level of protection for your access points. Minimal excavation is required across the roadway. It is designed to withstand up to 600 KN of static impact load.

The Godrej-Blocker has a full guard height of 900 mm. Installed in ground, the unit requires a maximum excavation of only 1100 mm on the outside areas of the roadway, avoiding excavation where most underground utilities and obstructions reside. The Godrej-Blocker is flush to the roadway when open and allows paves stones on the roadway directly adjacent to the blocker.



Construction

- Designed to withstand upto 600 KN of static impact load
- All steel parts are standard hot dipped galvanized for corrosion protection
- Highly visible yellow strips are standard
- Customization of paint color can be done

Standard Features

- Manual hand pump
- Hot dipped galvanized
- Standard main operator control panel
- Barrier up position sensor
- Barrier down position sensor
- PLC Programming
- Power Voltages: 440 Volt AC, 3 phase, 50 Hz

Optional Features

- Remote operator control panel
- Custom main operator control panel
- Hydraulic cooler / heater
- Vehicle detection loops
- Traffic signal lights
- Custom painted finish
- Battery backup

Specifications

- Approx. Overall Dimensions : 4400 (w) x 900 (d) x 2500 (h) in mm
- Approx. Weight : 6.5 Tonnes
- Power Required : 5 H.P. – 3 phase
- Blocking Width : 3 meter – 6 meter

High security: Security solution for high security premises (Security level III)

Crash Rated Barrier

Crash Rated Barriers are electro hydraulically operated barriers to stop intrusions of vehicles. Unlike the normal swinging automatic boom barriers which are not able to resist even small impact loads, these can withstand static impact loads of various ranges. They can be used at entry / exit points of high security premises and the boom is normally kept close in normal times of operation & only opened if an authenticated personnel's vehicles has to enter.

The housing and the blocking element of the Crash Rated Barriers are designed in full core steel profile construction with TESCO 4S coating, ensuring maximum safety against corrosion. The impact face of the barrier is reinforced with steel solid booms to transfer mechanical forces to reinforced concrete foundation.



Specifications

- Anti-Intruder rising barriers with electro-hydraulic drive unit
- Anti-Intruder horizontal sliding barriers with electro-mechanic drive unit
- Blocking width up to 6 m
- Impact loads from 150 kN to 400 kN in accordance with clients requirement

Speed Gates

Speed Gates are an ideal solution where conventional swing or sliding gates are not suitable due to lack of space.

Within seconds the Speed Gate can be opened and closed again. Even at a high frequency of passing vehicles the gate will be mainly closed and secure position. Speed Gates are ideal for multi store car parks, airports, industrial areas, prisons and other high security applications.



High security: Security solution for high security premises (Security level III)

Road Blocker

Road Blocker is an electro hydraulically operated rising step obstruction which rises above the ground level on giving a valid input signal and thus prevents unauthorized intrusions at entry / exit points of high security (Z+) premises. When in lowered position the vehicles can pass through, thereby providing a good enhanced security blockage system.

The housing and the blocking element of the Road Blocker are designed in full core steel profile construction with TESCON 4S coating, ensuring maximum safety against corrosion. The impact face of the blocker is reinforced with steel ribs and impact plates to transfer mechanical forces to reinforced concrete foundation.



Specifications

- Blocking Width : From 2.00 m to 6.00 m (in steps of 500 mm)
- Blocking Height : 675 mm above road level
- Electro-Hydraulic Drive Unit : Integrated within underground casing or separately inside lockable steel cabinet for outdoor installation max. 20 m distance from road blocker
- Impact loads : From 400 kN to 5000 kN

Automatic License Plate Reading System

In the current global scenario there is an increasing need on automation, reliability and efficiency in the areas of access control, vehicle security & vehicle management solutions. We, at Godrej, with our expertise bring to you the latest technological product - an Automatic License Plate Reading System.



Features

- It detects & reads license plates automatically in real time both during the day & night
- It provides high accuracy of recognition
- The system can process four wheelers with speed even upto 40 km/hr
- It is capable of detecting & recognizing different dimensions, contrast, colour license plates with a variety of character font & style for four wheelers
- Automated classification & alert facility

High security: Security solution for high security premises (Security level III)

- Can handle multiple cameras located at multiple entry / exit gates & can be networked together to a centralized monitoring station
- Added feature of capturing the drivers image
- State - of - the - Art software for an user friendly interaction with the system
- In - built feature of automated ticket generation
- Open system architecture

Benefits

- A faster, reliable & 24x7 alternative to manual registering of license plates
- No stoppages leading to faster throughput even during peak hours
- Identity & alert for stolen, barred, unauthorized & blacklisted vehicles
- Multi-level, multi-location & remote monitoring & reporting possible
- Faster, efficient & comprehensive data capturing & verification of the vehicle
- Very high throughput even during peak traffic
- Capable of handling heterogeneity of license plates for various geographic & regions
- Can be used for better management of parking lots
- Leading to faster, efficient & comprehensive data capturing of the vehicle
- Crucial aid in post event analysis
- Easy to integrate with other access control devices

Specifications

Camera	Interface Format Resolution Shutter Speed Operating Temp Frame Rate	CBVS 1.0 Vpp / Ethernet PAL / NTSC / Megapixel 768 x 576 (PAL), 640 x 480 (NTSC) 1280 x 1024 (SXGA) 1/50 to 1/10000 0 to 50 degrees 25/30 fps
Lens	Varifocal Electronic IRIS Control Mount image Format	5-50 mm DC Type CS 1/3"
IR Illuminator	Wavelength IR Illumination Range Environment Protection	850 nm (Semi Covert) 15 – 20 m high speed & 40 m low speed IP 65
Filters	Narrow band IR filter	
Camera Housing	Environment Protection Housing High Resolution Video Capture Card	IP 65 Rate
Processing Unit	Pentium 4 2.8 Ghz Frame Grabber Card Storage Capacity Monitor	RAM 512 MB 2 Channel High Resolution Video Capture 250 GB 19" Flat

High security: Security solution for high security premises (Security level III)

Under Vehicle Scanning System

The Under Vehicle Scanning System is a computer vision based system which uses high-end electro-mechanical and camera based assembly to image the underside of the moving vehicle at the entrance of any high security installation. The video grabbed by the system is stitched to form a composite image of the underside of the vehicle. Potential applications include inspection of vehicle undersides for presence and detection of unwanted substances like bombs, explosives, contraband things etc.

As the vehicle remains moving at all times through a "pre-selected" area, the operator has time to interrogate the image produced within seconds of the vehicle having been driven over the scanner system. Faster display prevents any lengthy & often undesirable disruptions to the traffic flow. The image is displayed on a monitor and can be controlled by the operator to change the appearance of the image or zoom into selected areas to examine the underside of the vehicle in more detail.

The system also includes a scene camera, which can be used for viewing and displaying the vehicle number plate and the driver, along with the underside image of the vehicle.

Another distinct feature is the additional 3 - 4 auxiliary cameras, which are placed at an angle so as to cover the video of the hard to image areas, e.g. the area between tyre and mudguard, top part of the silencer etc., which provide a thorough view of the hidden parts of the underside.



Specifications

Main Camera	Sensor Type Resolution Video Format	Linear CCD 2048 Camera Link CE and FCC Certifications Dimensions Power supply compliant 56 mm W, 60 mm H, 39.4 mm L Single Power Supply 12 V to 24 V
Auxiliary Cameras	Sensor Type No. of Pixels Video Format	Color Area CCD 270K Pixels NTSC / PAL 380 Resolution Power Supply TV lines 12 VDC
Material used		Galvanised Iron, powder coated Environmental
Processing Units	Processor RAM Hard Disk Memory	Pentium 4 (3 GHz), 600 GB SATA Hard disk, PCI Slots 1 GB RAM
Sensor Unit	Type Environmental Protection Power	Loop Detector (2 channel), 12 V to 24 V Requirements Output Volts NPN / PNP

Major USP's

- Vehicle need not be brought to a standstill mode it can move over it upto the speed of 30km/hr.
- Optional Features:
- Automatic foreign object detection
- Automatic Image comparison
- Can be integrated with any of the access control systems
- Can be integrated with automatic License plate reading system

High security: Security solution for high security premises (Security level III)

Narcotics And Explosives Detection System "GADE 651"

- First remote portable substance detector
- Unlike trace detectors (limited to physical contact with the item),GADE 651 is programmed to detect substances from long distances (with no physical contact)
- Developed with the support of International Law Enforcement, Drug Enforcement, Military and CID Agencies
- Setup time less than one minute
- It identifies the existence of the programmed substance, does not quantify the amount or level of substance detected
- Can locate target substance to less than a four cubic meter area
- It is not designed for pin point detection, but can define the area to be searched



Substance Detection:

High explosives, Trinitrotoluene, Ammonium nitrate, RDX / Hexogen / Octogan, Cocaine / Heroin / Morphine, Tetryl, Ivory, Blood, Diamonds etc.

Detection Ranges:

- Above ground up to 1000 + m in ideal conditions
- Underground up to 10 m (30 + feet)

Specifications

- Sensitivity : Below trace level. Pico-gram range
- Detection Time : < 5 seconds
- Setup Time : Less than 1 minute
- Operating Temperature : -40 to 60 °C
- Power : Electrostatic (500-3000 V minimum)
- Calibration : No calibration required
- Detection Modes : Ion like charged fluctuation
- Substance Detection : High explosives, Trinitrotoluene, Ammonium nitrate, RDX / Hexogen / Octogan, Cocaine / Heroin / Morphine, Tetryl, Ivory, Blood, Diamonds etc.

High security: Security solution for high security premises (Security level III)

Narcotics And Explosives Detection System "ADE 101"

"ADE 101"

Ade101 is the latest addition to the ADE (Advanced Detection Equipment) line of products. This also employs the first remote portable substance detector to incorporate the long range electrostatic attraction of highly charged ions for the effective identification of even the most difficult substances. Unlike trace detectors that are limited by the need to have actual physical contact with the item sampled, the ADE101 is able to detect programmed substances at long distances safely and without the need to have actual physical contact with the substance. As such, the ADE101 sets new standards for ion detection and forms part of the range of long-range ion detection equipments, offer by Godrej. It is extremely lightweight and easy to operate and delivers fast detection of the programmed substances in a single hand-held unit.

The ADE101 was developed from listening to clients responses. The product will fill in the much needed gap and will be a useful tool in the detection of various explosive & narcotic substances by the International Law Enforcement, Drug Enforcement, Military and CID Agencies, the ADE101 forms part of the line-up of Long-Range detector available from Godrej.



Detection Technology

Using Godrej's proprietary application of electrostatic ion attraction, (also referred to as Electrostatic Attraction [ESA]), the ADE101 provides detection of programmed substances with unprecedented sensitivity. It can detect substances at long range to levels as low as a few substance grams. Targeting the specific fluctuating ions of the programmed substance the ADE101 is able to bypass any known attempts to camouflage or hide the target substance(s). It can quickly and effectively scan a large search area targeting a specific group of substances in all types of environment. In dry, humid, cold, and severe weather environment, the ADE101 will identify the area (s) of detection and define the search areas for use of close range detection devices such as Trace Detectors and Canines.

Additionally, the ADE101® has been designed to enable the unit to be re-programmed allowing additional substances, or groups, to be added should the need be.

Substance Detection

High Explosives or Detonable Explosives Trinitrotoluene (TNT), DNT Nitro Esters (PETN, nitro glycerine, ethylene glycol dinitrate) Ammonium nitrate (ANFO) Dynamite RDX / Hexogen / Octogan Black Powder, Ammunition & Propellants Tetryl, C4, Plastic Narcotics Cocaine / Heroin / Morphine THC / Marijuana / Cannabis LSD / Ketamine / Midazolam Amphetamine / D-methamphetamine Ecstasy Opium / Opiates Chloro- Methyl & Benzodiazepine drugs

High security: Security solution for high security premises (Security level III)

X-Ray Baggage Scanner

Black Box Facility

- Large Digital Image Memory
- High Detention Video Frequency Collecting
- Outstanding Image Coding Shifter
- Provide All-Round Information
- Integrated Operating System
- High Compatibility (can work with all Godrej X- Ray Scanning)
- Combine The Pictures Of People, Luggage And X- Ray Scanning
- Quickly Finding Criminal Suspects
- Recorded Data Analysis

Configuration

- Multi - Angle Video Camera
- Large Digital Image Memory
- High Definition Video Frequency Card
- Comprehensive Analyzing System



X-Ray Baggage Scanner

EI - 5030C

Image System

X - Ray Sensor	: L - shape photo-diode array detector
Monitor	: High Resolution Colour, 17 inch Touch LCD Screen, accord with MPR II & TCO03 standard
Image Processing	: Colour / Black & White Image negative, edge enhancement, Image Strengthening, Rejecting Organic / Inorganic compound
Image Grey Level	: 4096
Image Max Resolution:	1024 x 768 pixel
Image Processing	: 24 bit for real time processing
Image Storage	: Stores 20000 pictures in real time
Zones and Zoom	: 1-9 image regions; 2,4,8 times enlargement; whole screen continuous observation



Installation Data

Operation Temperature / Humidity - 0 °C-45 °C / 20% - 95% (non - condensing)
Storage Temperature / Humidity - 20 °C-60 °C / 20% - 95% (non - condensing)

Other Function

Date & Time Display, operation condition show, Imaging minimize display, operation self diagnosis, luggage counting, emergent pause, self - diagnosis, network interface, system operation & X- Ray time calculation

Accessory (Black Box) Crises Analyzing System for Quality Finding Criminal Suspects.

Video Image Screening System : Digital Camera with excellent performance
Video Images Collecting System : Performing on the basis of the MPEG - 4 compression technique
Video Images Storing System : Large capacity of storing digital images
Integrated Analyzing System : Including image adjusting, searching, recalling, switching & interception functions

Other Function

• Tunnel Size	: 505 (W) x 305 (H) mm
• Conveyor Speed	: 0.2 m / s
• Conveyor Max Load	: 100 kg
• Dose per inspection	: <1 uSv/h
• Resolution	: 0.10 mm metal wire
• Penetration	: 30 mm steel
• Film Safety	: Guaranteed up to film ISO 1600
• X - Ray Leakage	: <2 uSv / h
• X - Ray Generator Anode Voltage	: 140 kv
• Cooling / Duty Cycle	: Oil Cooling / 100%

High security: Security solution for high security premises (Security level III)

X-Ray Baggage Scanner

EI - 6550

X - Ray Generator

Anode Voltage : 140 kv
Cooling / Duty Cycle : Oil Cooling / 100%

Image System

X - Ray Sensor : L- shape photodiode array detector
Monitor : High Resolution Monitor
Image Processing : 24 bit for processing in real time
Image Grey Level : 4096
Image Max Resolution : 1280 x 1024 pixel
Image Processing : Image Recall, penetration & edge enhancement, negative image, organic and inorganic stripping, grey level scanning
Image Presentation : B/W, pseudo colour, multi - energy Hazardous Material
Image Inserting : Automatically inserting the image of hazardous material into one of the object scanned
Additional Features : Display of date/time, luggage counter, network interface, image retrieval and deposit, self diagnosis, operator ID landing, system / X-Ray on counter



Installation Data

Storage Temperature - 20°C-45 °C
Humidity - 10% - 90% (non - condensing)
Operation Temperature - 0°C-45 °C
Voltage - 220VAC (+ 10% - 15%) 50 ± 3Hz
Power Consumption - 1.0 kVA

Crises Analyzing System for Quickly Finding Criminal Suspects.

Video Image Screening System - Digital Camera with excellent performance
Video Images Collecting System - Performing on the basis of the MPEG - 4 compression technique
Video Images Storing System - Large capacity of storing digital images
Integrated Analyzing System - Including image adjusting, searching, recalling, switching & interception functions

Specification

- Tunnel Size : 650 (W) x 500 (H) mm
- Conveyor Speed : 0.20 m/s
- Conveyor Max Load : 160 kg
- Dose per inspection : <1u Sv/h
- Radiation Leakage : less than 1u gy/h (at a distance of 5 cm from external housing) complying with all published international standards
- Resolution : 0.1mm metal wire
- Penetration : 30 mm steel
- Film Safety : Guaranteed up to film ISO 1600

Models available are EI - 5030A; EI - 10080; EI - 100100; EI - 150150

High security: Security solution for high security premises (Security level III)

X-Ray Baggage Scanner

XIS 100X

The XIS-100X is a medium scale X-Ray Inspection System designed for screening larger size objects like luggage (standard and oversized), duffel bags, dolly-sized crates and items. With a heavy duty conveyor bed and belt, the system is capable of supporting an unprecedented weight of 200 kgs (400 lbs) at any given time. The system retains the same screening speed of smaller models in the XIS series despite providing a larger tunnel size, and as such is ideal for those who desire a fast and secure screening solution in a high-congestion area.

Because the XIS Series utilizes a Windows XP PC platform, the system is user friendly and can be easily configured and integrated into existing security infrastructure and systems. The plug and play feature of the on-board PC allows the XIS system to be connected via an Ethernet, Local Area Network, or USB connection.

The entire line of the Godrej Astrophysics XIS Systems complies with published international standards including the U.S.F.D.A., Center for Devices and Radiation health Standards for Cabinet X-Ray Systems (Federal Standards 21-CFR 1020.40). Typical Radiation leakage is less than 0.1 mR/hr, considerably less than the 0.5 mR/hr permitted by the Federal standard.



Technical Specifications

Sensitivity	: 36 WG Typical, 38 WG Guaranteed.
Spatial Resolution	: 1.25 mm Horizontal and Vertical
Penetration1	: 33 mm Steel Typical, 31 mm Guaranteed
Contrast Sensitivity	: 24 Visible Levels, 4096 Gray Level

X-Ray Generator Specifications

Voltage	: 160 kV Operating at 148 kV.
Tube Current	: 0.7 mA
Cooling	: Sealed Di-Electric Oil Bath with Forced Air.
Duty Cycle	: Rated for 100% Duty Cycle
Beam Direction	: Vertically Upward.
Detector	: 2304 Channels in an L-Shaped Array

Computer Specifications

Processor	: Intel Core II Duo, 3.0 Ghz.
Memory	: 2 GB RAM.
Storage	: 160 GB HDD.
Video Card	: 256 MB Video Card (Digital Display).
Platform	: Windows XP Pro.
Backup	: Uninterruptible Power Supply (20 min).

Models available are 0000000000

High security: Security solution for high security premises (Security level III)

Video Display

Dual 17" High Resolution, low Radiation, Ergonomic LCD Color Monitor.
Display Resolution: 1280x 1024; 24 bit/pixel Color

Environmental Specifications

Operating Temperature: 0°C - 50°C \32°F - 122°F.
Storage Temperature : -20°C - 60°C \-4°F - 140°F.
Humidity : Up to 95% Non-Condensing.

Physical Specifications

Tunnel Opening : 1000 mm W x 1000 mm H.
39.4" W x 39.4" H.
Dimensions : 2660 mm L x 1380 mm W x 1860 mm H.
104.7" L x 54.0" W x 72.9" H.
Crate Dims : 3330 mm L x 1480 mm W x 2240 mm H.
131.0" L x 58.0" W x 88.0" H.
Net Weight : 1550 Kgs (3410 lbs).
Gross Weight2 : 1686 Kgs (3709 lbs).
Speed : 0.23 m/s (45 ft/min) in forward direction.
Motor : Sealed drum, maintenance free.
Belt : Seamless low maintenance belt.
Height : 690 mm (27.5") from the floor.
Capacity : 200 Kg (440 lbs) Evenly Distributed Load.
Construction : Custom Steel Frame / Panels.
Support : Heavy Duty Casters (Mobile).
Screw Jack Leveling Feet (Stable).

Physical Specifications

Auto Image Archiving 50,000 Images • Operator Training Program • Auto Z-Number Measurement • Organic / Inorganic Imaging • Baggage Counter • Picture Perfect • Color and Black / White Imaging • Print Image • Density Alert • Programmable Penetration • Edge-Enhancement Imaging • Programmable Contrast • Geometric Distortion Correction • Pseudo Color • High Penetration • Reverse Monochrome • Horizontal and Vertical Imaging • Real-Time Image Manipulation • Image Annotation • User Defined Access • Image Review • Multi-Tier Accessibility • Manual Archive (Bitmap) • Zoom 2x to 64x • Suspect Image Archive • Network Ready.

Electrical Specifications

Power Requirement : 110VAC : 96-132 VAC, 60 HZ. 15 Amp Max.
Power Requirement : 220VAC : 183-253 VAC, 50 Hz. 10 Amp Max.

Optional Accessories

• Advanced Image Archiving (100,000 Images) • Threat Image Projection Software • Screener Assist Threat Detection Software • Local Language Support (Arabic, Chinese, French, Spanish) • Entry / Exit Roller Tables, 0.5 m increment • Barriers for Roller Table • Custom Paint • 24" LCD Monitor (Replaces 17" LCD Monitors) • Tropical Kit • Radiation Meter • Extended Remote Workstations • Suspect Search Station • Supervisor Workstation • Real Time Continuous Self Diagnostics • Footmat • Polar Heating Kit • ASTM F0792-01e2 Test Case • ASTM 10 Stepwedge • XIS System Drape • 180 kV X-Ray Generator for improved penetration.

Models available are 0000000000

High security: Security solution for high security premises (Security level III)

X-Ray Baggage Scanner

XIS 5335

The XIS-5335 is a compact X-Ray Inspection System designed for screening small objects ranging from purses and backpacks to mailroom parcels. The system can be found in a wide variety of locations including schools, prisons, hospitals, museums, and airport checkpoints, but can be placed in practically any location due to its small profile. With such a small footprint, the XIS-5335 can fit through most doors and elevators for easy installation. Mounted on a compact frame with roller casters, the XIS-5335 can be quickly and easily relocated to any area in need of an immediate screening solution.

Because the XIS Series utilizes a Windows XP PC platform, the system is user friendly and can be easily configured and integrated into existing security infrastructure and systems. The plug and play feature of the on-board PC allows the XIS system to be connected via an Ethernet, Local Area Network, or USB connection.

The entire line of the Godrej Astrophysics XIS Systems complies with published international standards including the U.S.F.D.A., Center for Devices and Radiation health Standards for Cabinet X-Ray Systems (Federal Standards 21-CFR 1020.40). Typical Radiation leakage is less than 0.1 mR/hr, considerably less than the 0.5 mR/hr permitted by the Federal standard



Technical Specifications

Sensitivity	: 42 WG Typical, 40 WG Guaranteed
Spatial Resolution	: 1.0 mm Horizontal and Vertical
Penetration1	: 10 mm Steel Typical, 8 mm Guaranteed
Contrast Sensitivity	: 24 Visible Levels, 4096 Gray Level

X-Ray Generator Specifications

Voltage	: 90 kV Operating at 84 kV.
Tube Current	: 0.7 mA
Cooling	: Sealed Di-Electric Oil Bath with Forced Air.
Duty Cycle	: Rated for 100% Duty Cycle
Beam Direction	: Vertically Upward.
Detector	: 1024 Channels in an L-Shaped Array

Computer Specifications

Processor	: Intel Core II Duo, 3.0 Ghz.
Memory	: 2 GB RAM.
Storage	: 160 GB HDD.
Video Card	: 256 MB Video Card (Digital Display).
Platform	: Windows XP Pro.
Backup	: Uninterruptible Power Supply (20 min).

Models available are 00000000

High security: Security solution for high security premises (Security level III)

Video Display

Dual 17" High Resolution, low Radiation, Ergonomic LCD Color Monitor.
Display Resolution: 1280 x 1024; 24 bit/pixel Color

Environmental Specifications

Operating Temperature: 0°C - 50°C \32°F - 122°F.
Storage Temperature: -20°C - 60°C \-4°F - 140°F.
Humidity: Up to 95% Non-Condensing.

Physical Specifications

Tunnel Opening : 530 mm W x 350 mm H
20.9" W x 13.8" H
Dimensions : 1330 mm L x 770 mm W x 1230 mm H
52.2" L x 30.0" W x 48.1" H
Crate Dims : 1540 mm L x 890 mm W x 1520 mm H
60.5" L x 35.0" W x 59.5" H
Net Weight : 310 Kgs (684 lbs)
Gross Weight2 : 395 Kgs (871 lbs)
Speed : 0.23 m/s (45 ft/min) in forward direction
Motor : Sealed drum, maintenance free
Belt : Seamless low maintenance belt
Height : 730 mm (28.7") from the floor
Capacity : 165 Kg (363 lbs) Evenly Distributed Load
Construction : Custom Steel Frame / Panels
Support : Heavy Duty Casters (Mobile)
Screw Jack Leveling Feet (Stable)

Physical Specifications

- Auto Image Archiving 50,000 Images
- Operator Training Program
- Auto Z-Number Measurement
- Organic / Inorganic Imaging
- Baggage Counter
- Picture Perfect
- Color and Black / White Imaging
- Print Image
- Density Alert
- Programmable Penetration
- Edge-Enhancement Imaging
- Programmable Contrast
- Geometric Distortion Correction
- Pseudo Color
- High Penetration
- Reverse Monochrome
- Horizontal and Vertical Imaging
- Real-Time Image Manipulation
- Image Annotation
- User Defined Access
- Image Review
- Multi-Tier Accessibility
- Manual Archive (Bitmap)
- Zoom 2x to 64x
- Suspect Image Archive
- Network Ready

Electrical Specifications

Power Requirement : 110VAC : 96-132 VAC, 60 HZ. 15 Amp Max.
Power Requirement : 220VAC : 183-253 VAC, 50 Hz. 10 Amp Max.

Optional Accessories

- Advanced Image Archiving (100,000 Images)
- Threat Image Projection Software
- Screener Assist Threat Detection Software
- Local Language Support (Arabic, Chinese, French, Spanish)
- Entry / Exit Roller Tables, 0.5 m increment
- Barriers for Roller Table
- Custom Paint
- Secondary 17" LCD Monitor
- 24" LCD Monitor (Replaces 17" LCD Monitors)
- Tropical Kit
- Radiation Meter
- Remote Configuration
- Remote Workstations
- Suspect Search Station
- Supervisor Workstation
- Real Time Continuous Self Diagnostics
- Footmat
- Heavy Duty Rubber Casters
- Polar Heating Kit
- ASTM F0792-01e2 Test Case
- ASTM 10 Stepwedge
- XIS System Drape

Models available are 0000000000

High security: Security solution for high security premises (Security level III)

Hand Held Metal Detectors

After many years of active service our "AD" series hand held metal detectors need no introduction. They have been operating around the clock under some of the harshest working conditions year after year.

As a result of our uncompromising standards in manufacturing and design, Godrej Adams Electronics has a continuous development program in progress. The ongoing improvement of micro-technology has allowed us to constantly upgrade our "AD" series detectors, maintaining our position at the cutting edge of modern technology.

With many thousands of these detectors in use around the world, the Godrej Adams AD Series detectors are the preferred choice of metal detector where superlative performance, durability and reliability are essential requirements.

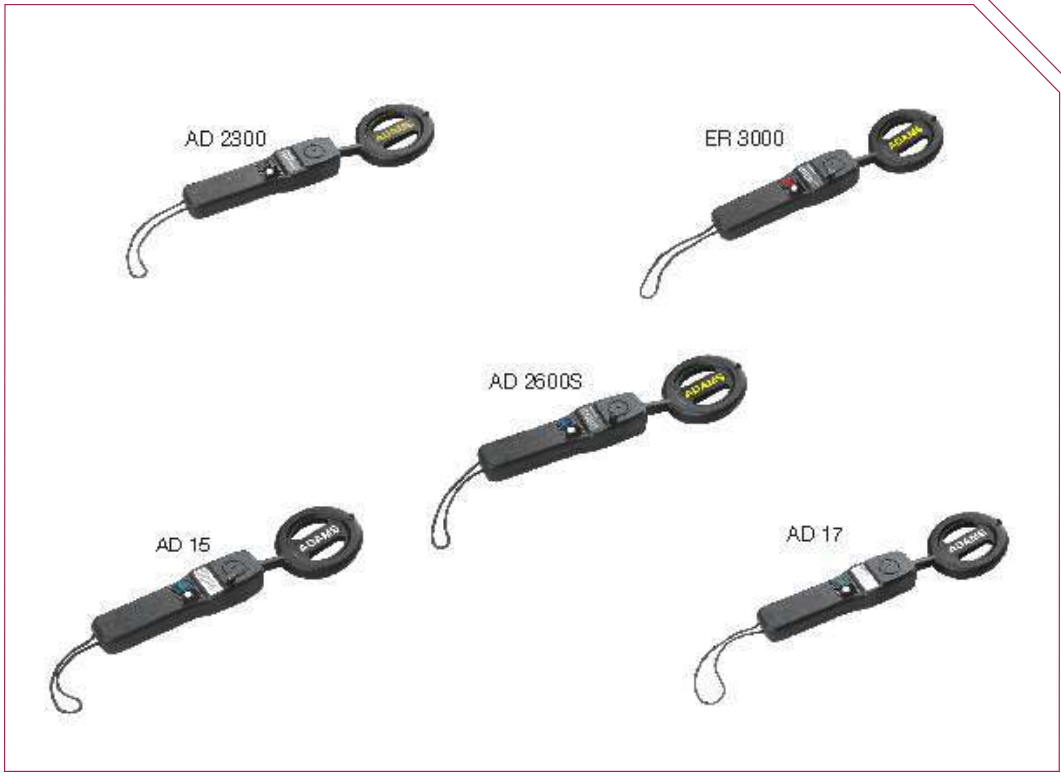


Model AD11-V

The model has standard simultaneous audio/visual alarm facility, but with the added ability, via a two-position rocker switch, to switch the detector to either standard "audio / visual" setting or "Vibration" only mode. This feature given the AD11-V the ability to alert the operator of a potential weapon silently. This feature has proven very useful when working in a noisy environment or if the operator wishes to conduct the search procedure keeping an eye contact with the subject.

Specification

- Length : 362 mm
- Width : 55 mm
- Height : 30 mm
- Weight : 262 gms including battery
- Sensitivity : Target size down to 0.1 gms



Specifications	(AD2600S / ER3000 / AD2300)
Dimensions	Length - 360 mm, Width - 105 mm (probe), Body - 55 mm, Height - 35 mm
Weight	290 gms (AD2300), 295 gms (ER3000), 300 gms (AD2600S) including battery
Sensitivity	Target size better than 0.03 gms
Operating Temperature	-20 °C to + 65 °C
Operating Temperature	-30 °C to + 80 °C
Humidity	98%
Ingress Protection	IP64 (IEC520)
Power Consumption Standby Current	Nil
Active Mode Current (No detection)	Less than 1 mA (0.9 mA)
Alarm Mode Current (metal detected)	6.5 mA
Operating time	360 hours continuous at +25 °C (alkaline battery) 100 hours continuous at + 25 °C (rechargeable battery single charge)
Battery	9 V block battery MN 1604, 6LR61 or equivalent alkaline disposable or rechargeable

High security: Security solution for high security premises (Security level III)

Our range of CE certified hand-held metal detectors need no introduction. The high-end models are sensitive upto less than 0.03 gms. What's more, our range also features the world's first "HANDS FREE" metal detectors that can be worn on the hand.

HF-1 Detector Gloves



MIT



Specifications

Construction	Neoprene - Velcro (HF-1 Kevlar and Neoprene)
Dimensions	Medium or Large, standard generic size. (HF-1 Large - XL - XXL)
Weight	5.2 oz or 149 gms including battery. Target size 0.5 gms Fully automatic. No adjustment necessary. All metals, including alloys.
Operating Temperature	-20 °C to + 65 °C
Storage Temperature	-30 °C to + 80 °C
Humidity	98%
Ingress Protection	IP64 (IEC529)
Operating time	Upto 3 months with normal use 48 hours continuous at + 25C (alkaline battery) 40 hours continuous at + 25C (rechargeable battery single charge)
Battery	Standard 9 Volt block battery MN 1604, 6LR61 or Equivalent Alkaline Disposable or Rechargeable

Models available are EI – AD 10-2, AD 11-2, AD 16

High security: Security solution for high security premises (Security level III)

Biometric Access Control System-F Smart

Access Control System technology uniquely identifies and controls the flow of people and thus assets.

The system not only provides unique access privileges but also makes the entire time office redundant. You can restrict employees to certain working hours, certain buildings and even rooms.

Looking at the security needs we have a proximity as well as smart card based attendance/access control system. For high security needs we have Fsmart Biometric access control system, which can be coupled with doors, turnstiles etc. to control unauthorized access.

F Smart is a perfect solution to your security needs with multiple modes of operation card+finger / pin+finger which provides greater security as the authentic person has to be physically present to gain access. This in turn reduces proxies and proves to be very effective in attendance. Besides it eliminates any chance of unauthorized access through duplication.



Finger scan with Proximity Readers Features

- Usage Combines many functions into a single model and footprint
- 500 finger print templates with extended memory version upto 4700 templates
- PIN + Fingerprint, Fingerprint-only, and Keypad-only in a single unit, definable by user
- Superior optical sensor and read algorithm
- Software and hardware tools for aiding in enrollment and template management
- 20,000 to 30,000 event storage capacity
- RS - 485 networking between readers for template sharing

High security: Security solution for high security premises (Security level III)

IRIS Based Biometric Access Control System

Godrej Security Solutions now introduce the IRIS based access control solution that is easy to operate, accurate and doesn't require to be touched.

Iris is a disc shaped film located at the front of the eyeball that contains very complex, random pattern and doesn't change during the lifetime of a person. Iris pattern is different by each eyes and this pattern can be captured through an outside camera.

Iris recognition uses individual differences in the complex patterns found in the iris of the human eye to authenticate individual identities. Iris recognition is the most precise of all biometric identification systems. The false acceptance ratio is so low that the probability of falsely identifying one individual as another is virtually zero. For high security needs, we have Iris reader, which can be coupled with doors, turnstiles etc. to control unauthorized access.



Features

- Voice Guidance: Speaker on the side provides operational guidance ("come closure" or "Move to the left") and recognition results
- IRIS Recognition Time: Approx 1 second
- Dry Contact output available from Reader
- Up to 10,000 user can be stored in the System
- Up to 5,000 user can be stored in the Reader
- Optional Board using Weigand / RS 485 Connection
- HID i-Class card can integrate
- Integrated color video surveillance camera. Output may be connected to existing video surveillance system
- **UL-USA, Approved**

High security: Security solution for high security premises (Security level III)

3D Face Recognition Access Control System

Our focus on high end reliable access control system continues with introduction of 3D Face recognition system. It provides employees with lightning-speed access to your offices and restricted areas. 3D Face Readers increase security while maintaining high throughput for access into buildings, making the process effortless for employees.

The concept of the Face Reader is to collect 3D facial biometric data from a person in front. The captured information is matched against the templates stored in the biometric database. It can be connected to a LAN and remotely managed through the Administration software. With an access controller it can be effectively used with other Biometric (IRIS, Finger based) and card based system.

3D Face Recognition readers authenticate users in less than a second and are optimized for high traffic areas. With the real-time 3D imaging technology it enrolls user in 4 to 8 seconds and authenticates in under a second. Upto 40,000 data points are captured and the reader can even differentiate between identical twins. Ensures high security in confidential / sensitive locations like, nuclear power plants, embassies , research labs etc., without the worry of proxies and duplication in access control.



Features

- Easy Installation
- Hands free Access
- RS 232, RS 422, RS 485 and IP connectivity
- Security: Adjustable FAR capable of 0.000001% in 1:1 mode
- Stores upto 60,000 templates
- 1,00,000 events for audit trail
- Accommodates a range of facial positions and poor lighting condition

High security: Security solution for high security premises (Security level III)

Industrial Security

- Smart Card Based Access Control System
- Building / Parking Management Systems
- Perimeter Security - Electro Fencing
- Remote Surveillance Systems
- Automatic Sliding Gate Systems
- Automatic Swing Gate Systems
- Concertina Fencing
- Under Vehicle Surveillance Systems
- Tyre Killers
- Turnstiles
- Flap Barrier
- Catrax Access Control System
- Door Frame Metal Detectors





Card Based Access Control Systems

Godrej Proximity System

Features

- Worldwide leader in proximity systems
- Wide product range to meet customer requirements
- Field programme
- Read ranges from 5 to 28 inches
- Weather resistant and highly durable
- 125kHz contact less reader
- Designed for simple field installation
- Adaptable levels of security



Timespan

Features

- Microcontroller based system
- Memory capacity up to 7000 records
- Can be interfaced with different types of readers (bar code, proximity, fingerprint etc.)
- Truly Windows based software: single user, multi user software options
- In-built 32-character, backlit, liquid crystal display
- Audio-visual indications
- 24 hours battery backup for system operation
- Ni-Cd battery backup stores access data for 30 days
- In-built message library
- Programmable time zoning capability
- Modem connection option
- Anti passback protection for access control system
- Handheld unit connectivity for remote location
- PC Connectivity through RS232C or RS485 till 1.2 km
- Onboard printer connectivity
- User-defined program to control individual access
- Provision of custom-built system to high security zone
- On board potential free relay contact for interfacing with electromagnetic lock, turnstyle, etc.
- Optional siren interface
- Multilevel password access for programming
- Door sensor feedback to know if door is left open



Building Management System

Main Focus of the IBMS is Automation of utility services, Increase comfort of working environment, Improve the productivity, Energy conservation, Reduces the number of control systems in the building by integrating different systems. Automation of a building can help to reduce energy consumption, reduce system operating and maintaining cost, create comfortable and productive working environment, ensure security for people and property, increase occupancy and rental income.

Various systems can be interfaced with IBMS such as:

- Heating, Ventilation and Air Conditioning (HVAC) system
- CCTV & Security system
- Access control system
- Fire alarm system
- Lighting controls
- Third party system

Some of the Protocols that can be integrated with BMS

- MODBUS
- BACNET
- ETHERNET
- LONWORKS
- JBUS
- OPC, DDE and any other Proprietary Protocol

The major areas of energy savings through BMS are control valves + actuators, temperature set point, variable frequency drives (VFD), time scheduling, occupancy based programming. All this can be done effectively by Godrej because of its long experience in integration of Fire Alarm, CCTV, and Access Control etc.

Perimeter Security

Electro fencing

Godrej Perimeter Security provides long lasting round the clock vigilance with zero maintenance cost. Power Fencing is the modern day's alternative to the conventional type of perimeter protection. These are active fences and punish the unwelcome intruder the moment they touch the fence or try to tamper the fence. The conventional types of fences are only passive fences and cannot resist the intruder if they try to forcibly intrude into the protected area. The Power Fence gives a sharp, short but a safe shock and creates psychological fear. Against any tampering the alarm incorporated in the system gets activated and alerts the inmates of the protected area, which facilitates them to counter the unwelcome intruders.



Features

Custom Design - Godrej Perimeter Security can be designed to suit any individual security requirement and can also be integrated with existing security devices.

Integration - The system can be integrated with existing access control system, CCTV, spotlight and PA system.

Dual Power Capability - The controller is designed to work on AC mains or solar power with battery backup.

Usage

- Warehouses
- Defense Establishments
- Farmhouses
- Security sensitive areas
- Prisons etc.

Remote Surveillance Systems

Remote Surveillance

Features

- Video motion detection - The camera can detect in unlimited no. of selectable area of different shape
- Controlled access - User can assign local and remote access right from video viewing by creating user profile
- Customized recording - Our system can do customized recording by setting the different recording parameters for specific events, transactions and schedules
- Alarm event transmission - Our system gives you the ability to transmit pre and post alarm videos to the monitoring station along with an alarm message via email or pager
- Motion search - Our system offers extended video search capabilities including date, time, transaction information, alarm, event and video motion
- Alarm handling - Alarm handling of local level as well as central monitoring station
- Transaction Proofing at ATM's



Usage

- Remote ATM surveillance
- Financial institutions
- Shopping malls
- Large commercial establishments
- Public places
- Railways / Airports

Automatic Sliding Gate Systems

Automatic gate access system's primary intention is to disallow unauthorized intruders into the premises using active or passive security devices. Sophisticated security control systems have been developed to meet such customer specific requirements. Our team of experts operate closely with a network of first-class and quality conscious suppliers. This not only allows a flexible processing of customer specific requirements, but also a competitive price structure, to provide world class security solutions.

Automatic Sliding Gate System is suited for industrial gates and heavy-duty applications. It consists of an oil bath motor reduction gear with worm gear on ball bearings to assure extreme reliability and long lasting operation.

An adjustable mechanical clutch delivers required thrust and provides quiet operation of the gate.

Irreversible electro-mechanical units keeps the gate securely locked while a special pass key provides release for manual operation during power failure.

Timed electronic system plus built-in switches offer precise adjustment and added safety to electrical motor. Electronic control panel is designed to accept various optional controls and safety accessories such as Optical Beam Sensors, Magnetic Card Remote Control, etc.



Specifications

Model	EST 604K	EST 1204K	EST 2004K
Power Supply	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Max. Wt. / wing	600 kg	1200 kg	2000 kg
Max. Width	8 m	12 m	16 m
Power Consumption	0.37 kW	0.75 kW	1.1 kW
Speed	0.18 m/s	0.18 m/s	0.18 m/s

Model	HM-SLD 2000	HM-SLD 2010
Power Supply	220 V, 50 Hz	220 V, 50 Hz
Motor	0.25 hp AC drive	0.5 hp AC drive
Closing Speed	1 ft/Sec	0.8 ft/Sec
Gate Weight	500 kg	1000 kg
Remote Range	30 mts	30 mts

Industrial Security: Security Solution for Industrial Premises (Security Level II)

Automatic Swing Gate Systems

Automatic Gate Access Systems primary intention is to disallow unauthorized intruders into the premises using active or passive security devices. Sophisticated security control systems have been developed to meet such customer specific requirements. Our team of experts operate closely with a network of first-class and quality conscious suppliers. This not only allows a flexible processing of customer specific requirements, but also a competitive price structure, to provide world class security solutions. Suitable to install in existing Swing Gates.

- Easily operated by means of a remote control from inside your car or push button from inside the guard-room
- Silent rotary drive units, reliable and maintenance free
- An inbuilt clutch system suspends the motion of the gate, should it come in contact with child or car
- A special electrical lock offers the convenience of automatic locking of the gate
- In case of power failure, the lock may be manually opened with the help of a special passkey
- Microprocessor based control panel is capable of communicating with optional devices such as photo sensors, card readers, etc.



Specifications

Model	HM-SWG 500	HM-SWG 1000
Power Supply	220 V, 50 Hz	220 V, 50 Hz
Motor	12-24 VDC	12-24 VDC
Closing Speed	6-12 Sec	6-12 Sec
Gate Weight	500 kg	1000 kg
Remote Range	30 mts	30 mts

Model	ZENIT 280/282 One winged gate/Two winged gate	ZENIT 350/352 One winged gate/Two winged gate	ZENIT 420/422 One winged gate/Two winged gate
Power Supply	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Max. Wt./ wing	500 kg	500 kg	500 kg
Max. Width	2.8 m/ wing	3.5 m/ wing	4.2 m/ wing
Operating Voltage	24 V	24 V	24 V
Running time	12 sec	12 sec	16 sec

Industrial Security: Security Solution for Industrial Premises (Security Level II)

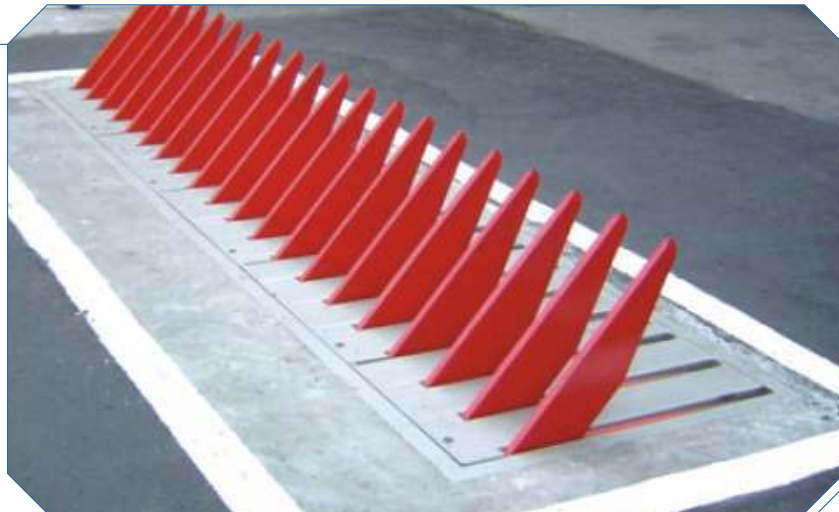
Tyre Killer

Tyre Killer is an electro hydraulically operated heavy duty spike obstruction which rises above the ground level on giving a valid input signal and thus prevents unauthorized intrusions at entry/exit points of high security premises. When in lowered position, the vehicles can pass through, thereby providing a good enhanced security blockage system.

The housing and the blocking element of the Tyre Killer are designed in full core steel profile construction with TESCON 4S Coating, ensuring maximum safety against corrosion. The impact face of the Tyre Killer is impact resisting thick, sharp steel spikes to puncture the tyre and in fact are strong enough to break the axle of the vehicle. It transfers mechanical forces to reinforced concrete foundation.

Specifications

- Blocking Width : from 2.00 m to 6.00 m
- Blocking Height : heavy-duty steel spikes, 475 mm high
- Electro-Hydraulic Drive Unit : integrated within underground casing or separately inside lockable steel cabinet for outdoor installation max 20 m distance from tyre killer



Under Vehicle Surveillance Systems

The Godrej Under Vehicle Surveillance System is a easily portable/relocatable, device & enables the inspection of any vehicle's underside through a composite image of the vehicle.

It captures high resolution, complete & composite image of any vehicle's underside, without requiring the vehicle to be stopped for capturing the image and gives a real-time output of the composite image on the monitor almost instantaneously. It can perform with vehicle's movement at different speeds, ranging from 5 – 20 Km/hr, while the composite image so formed should be dynamically adjusted according to the speed of the vehicle, using multiple loop based sensors.

It can be integrated with automatic license plate reading system & drive image capture camera.(Optional)



Turnstile

Turnstile series offers maximum security control at an affordable price.

- Waist Height
- Full Height

Model HT - 1000 is a waist height, tripod turnstile designed for reception areas, where low profile, rapid access control is a requirement.

Model HT - 2000 is a 7 feet high, full security turnstile, designed to provide access control to unsupervised installations or areas where strict security is required. Provide reliable, quick and safe entry to authorized employees and visitors.

- Rugged construction ensures trouble free performance and durability
- Modular design offers to meet client-specific requirements in both mechanical and electrical models
- Provides either unidirectional or bi - directional movement with fail - safe or fail lock option. Positive action lock prevents two passes at one time
- Low voltage, 24 V DC operating system is capable of accepting release signal from variety of optional devices, such as magnetic card reader, push button, photocells etc.
- Cabinet is made of heavy gauge MS sheet with powder coated finish
- Mechanical hub and three barrier arms are made of stainless steel



Full Height Turnstile



Specifications

Technical Characteristics	HT-1000 Waist Height	HT- 2000 Full Height
Power Supply	240 V, 50 Hz	240 V, 50 Hz
Power Consumption	75 W	75 W
Control Circuit	24 V DC	24 V DC
Duty Cycle	Continuous	Continuous
Height	990 mm	2,200 mm
Length	737 mm	1,500 mm
Width	280 mm	1,500 mm
Weight	70 Kg	300 Kg

Flap Barriers

The retractable panel pedestrian barrier is a user friendly access barrier developed for the fast processing of people in areas such as railway platforms, passenger terminals, corporate houses, premium hotels, sports stadium etc. A modular front panel concept allows adaptation to a large variety of ticket readers for railway station use, as well as customised designs for all sorts of card readers for the security industry.

Product Description

The pedestrian retractable barrier series type MPR is designed to control pedestrians entering or exiting restricted areas, usually under surveillance, in low security situations. Personal surveillance is therefore recommended as the barrier can be breached. Two different models are available, the standard model has an aisle width of 520 mm and a wide lane disabled model has an aisle width of 990 mm.

Housing

Various optional access control devices (such as card readers, finger print readers etc.) can be accommodated on a stainless steel fascia panel located at each end segment of the MPR.



Specifications

MPR 112 middle	MPR 112 wide
Length : 1300 mm	Length : 1300 mm
Width : 250 mm	Width : 280 mm
Height : 1035 mm	Height : 1035 mm

Description of the wings

Our standard wing is made of 20 mm acrylic glass and is only used with the standard MPR. The disabled accessible model contains the so called "telescopic soft wing", i.e. a two part wing, composed of an aluminum core that with PUR-foam coating that, telescopes when the MPR opens and closes. Only this patented construction allows to block an aisle of 990 mm with the slim housing width of 280 mm.



Catrax Plus

Catrax Plus turnstile, an access control solution which stands out for their versatility, attractive design and ease of integration with other security components, such as magnetic, biometric and proximity readers.

- Special Design : Rounded corners and plenty of internal space to facilitate the assembly of electronic and other types of components. Access gained by a key lock, there are no exposed screws
- Smoother 90-deg passageway for smooth turn and to lessen the impact of the turnstile arm on patrons after each passage
- Optical sensors and electromagnets are used to activate locks, thus preventing mechanical wear and increasing equipment life
- Catrax Plus comes with a U-shaped mounting drawer that can be easily removed or replaced on the rear top panel by a key lock, thus facilitating the assembly and maintenance of electronic components
- Can be configured with pictograms to inform access permission and detect direction of movement



Specifications

Technical Characteristics	Catrax Plus
Power Supply	Input : 90-250 Vac Output : 12 Vdc, 2A 5 Vdc, 1A
Throughput	>40 persons / min
Duty Cycle	100%
Height	1000 mm
Length	390 mm
Width	210 mm
Passage Width	410 mm
Weight	50 Kg
Power Consumption	250 W

Catrax Clip

Specially designed for disabled people. It has an innovative design and was manufactured in a smaller size to enable quicker and easier passage. The model is ergonomic, practical and safe. In addition, the turnstile pedestal was designed to withstand the impact produced by wheel chairs.

- The horizontal, bidirectional movement of the arm allows patrons to pass smoothly through the turnstile
- It has rounded corners and plenty of internal space
- As access is gained by a key lock, there are no exposed screws
- Catrax Clip's top panel is manufactured in high impact engineering plastic (available in different colours)
- Can be configured with pictograms to inform access permission



Specifications

Technical Characteristics	Catrax Clip
Power Supply	Input : 90-250 Vac Output : 12 Vdc, 2A 5 Vdc, 1A
Throughput	>20 persons / min
Duty Cycle	100%
Height	1000 mm
Length	810 mm
Width	210 mm
Passage Width	850 mm
Weight	50 Kg
Power Consumption	250 W

Door Frame Metal Detectors

The THS sX is one the world's finest walk through/door frame metal detector and works on a superior pin point technology and unmatched discrimination features. It has a unique multi zone design which guarantees, first-rate performance. Compromising of all safety features, the THS sX is truly the first choice of security professionals worldwide.

Features

- Superior target detection
- Multi-dimensional coil design (9 distinct pinpoint zones) provides superior detection and location of guns, knives etc. regardless of orientation
- Individual zone adjustments
- High traffic throughput
- Intelligent traffic and alarm counters
- Zone display identify the level(s) at which the detected object(s) are carried
- Simple set-up and operation with password protection
- Fast automatic calibration
- Quality assured CE compliant, medically safe
- Optimum immunity to environmental interference and external stationary metal



Specifications

• Operating Voltage	70 Vac - 270 Vac 50 Hz - 60 Hz
• Weight	54 kg
• Gross Weight	70 kg
• Power	10 W Stand By - 20 W (alarm)
• Ambient Temperature	-20°C to + 70°C
• Outer Frame	2200 mm (h) x 830 mm (w) x 500 mm (d)
• Inner Frame	2000 mm (h) x 760 mm (w) x 500 mm (d)

THS - s9, THS - s3 & THS - SxWP (Waterproof model)
The all new DFMD with integrated camera also available with all models.

Blocking Bollards

Electro-hydraulically power operated, our Blocking Bollards come in single or multiple units with a common drive unit. The standard blocking height above surface level ranges between 600 mm to 850 mm. Aesthetically designed in different shapes and colours, this range of bollards is ideal for pedestrian zones in the city, fuel pumps as well as for security purposes in front of important buildings.

Features

- Electro-hydraulically power operated
- Single or multiple units in row with one common drive unit
- Standard blocking height above surface level 600 mm to 850 mm
- Different shapes and design of the raising element

Areas of application are pedestrian zones in city centers, fuel stations, offices, public places or for security purposes in front of prestigious buildings.



Industrial & Private

- Chain Link Fencing
- Blocking Bollards
- Boom Barriers





Concertina Fencing

Our range of GI barbed wire fencing includes fencing for MS angles, GI pipe poles, RCC poles and wooden ballies and is also available in combinations with 3 rows of barbed wires at a 45 degree angle bend on top or with concertina as desired.

Concertina Rolls are available in circular diameter of 2 ft / 1.5 ft inclusive of support wires and angles (50 x 50 x 5mm) which are ideal for installing on walls.



Chain Link Fencing

Our range of Galvanized Iron wire security chain link fencing comes with Top-Bottom Guard wires, posts made of Galvanized Iron pipes, MS angles or with RCC Concrete Structures. What's more, this range can be customized and manufactured as per your specific requirement.

In addition to above, we also provide Galvanized Iron chain link fencing on pipe posts with 3 rows of Galvanized Iron Barbed wire at a 45 degree bend as well as PVC coated chain link meshes.



Boom Barriers

Automatic Boom Barriers offer efficient security at the exit and the entry points of factories, office complexes, condominiums, parking lots, toll tax plazas or any road - way entry where medium to heavy traffic is expected.

Designed for heavy-duty operation with sleek and modern looks. An inbuilt anti-crush safety device suspends the motion of the barrier, should it meet any obstruction. Optional beam sensor provides further protection to vehicles. Dual speed of the barrier optimizes time and maximizes safety.

This unique feature ensures quick opening and closing of the barrier with soft landing. Duration of fast and slow speeds is programmed at the time of installation according to the length of the boom and the frequency of traffic expected. Entire system is powered by 24 Volts DC to avoid electrocution and to integrate barrier with other peripheral safety devices such as access control system, optical beam sensor, etc. for greater flexibility and added safety. At the time of installation according to the length of the boom and the frequency of traffic expected. The barrier is activated either by a single touch push button or remote control.

However its electronic control panel is designed to accept signals from various controls and safety accessories such as Beam sensor (optional), Magnetic card reader (optional), computer, etc. and added safety. at the time of installation according to the length of the boom and the frequency of traffic expected.



Specifications

Operators	GM 30 / 50	GM 60 / 80	ES 30 / 80
Single-phase power supply	230V~ ± 10%, 50 Hz	230V~ ± 10%, 50 Hz	230V~ ± 10%, 50 Hz
Absorbed power	300 W	300 W	260 W
Lengths	3-8 m	6-8 m	3-8 m
Opening/closing time	4-8 s	6-8 s	2.3-8.5 s
Power Failure operation	Fast key release	Fast key release	Emergency release
Duty Cycle	Very Intensive use	Continuous use	Continuous use

Universal Security

- Conventional Fire Alarm Systems
- Fire Alarm Systems
- CCTV Surveillance Systems
- Fire & Burglar Alarm Systems



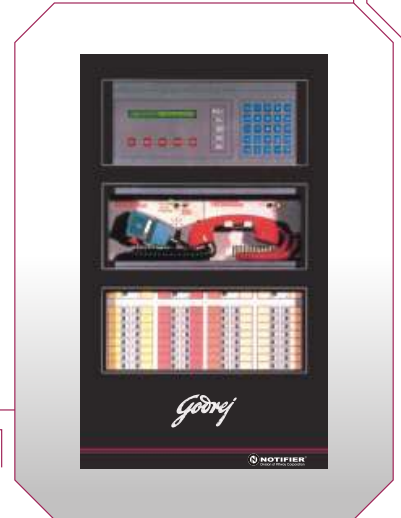
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Godrej Fire Alarm Systems

Features

- Wide variety of system offerings:
 - Conventional
 - Addressable Fas
 - Networkable Fas
- Leading edge technology
- Panel offerings – suitable for premises ranging from small commercial premises to huge nuclear power plants
- Panel features:
 - full field programmability
 - apart from UL fire listing, listed for UL security too
 - detector wise addressing facility
 - auto detector test
 - pre-alarm facility
 - automatic drift compensation
 - day / night sensitivity adjustment
 - maintenance alerts



Detector Features

- Detectors for specialises applications like data server rooms, hospitals, etc
- View detectors for clean room
- Harsh detectors for hostile areas
- Flameproof detectors
- Multi sensor technology based detectors

Certification

- ISO 9001 certified manufacturing facility.
- International third party certifications.
 - Underwriters lab (USA) 9th edition
 - Factory mutual
 - Lloyds register
- EN54 Approved Panel

Integrated Solution

- Digital PA System
- CCTV System
- Fire Suppression System

Usage

Banks, Private Safe Deposit Vaults, Financial Institutions, Offices, Factories and Warehouses, Refineries and Allied Industries, Multistorey Buildings, Hotels and Hospitals.

Electronic Alarm Systems

Falcon Burglar Alarm System

Features

- Two zone dedicated burglar alarm panel
- Range of detectors and sensors such as **Magnetic door sensor, Motion sensor, Vibration sensor, Glass break sensor, Panic switch**
- Hooter output capable of driving multiple hooters up to total of 500 mA load
- Ease of operations
- Arm and Disarm mode
- In built Automatic Telephone Dialer with following features -
 - Ten programmable phone numbers each up to 15 digits
 - 20 seconds recordable message
 - Option of programming from remote location
 - Verification by playback of recorded message during programming
 - Programmable password, message repeat count, redial setting. Provision of parallel telephone instrument
 - Ten years retention of telephone numbers and messages, in case of no power. Highest priority for alarm condition dialing. In case of alarm detection, parallel instrument is disconnected and dialer takes over instantaneously
 - Facility of remote skipping of a particular telephone number for next redials after being called by ATD
 - User programmable password protected facility of remote Arming/ Disarming of alarm systems /resetting of alarms
- Wide input range of operation from 150 V AC to 270 V AC
- Automatic switch over to battery in case of AC Power failure
- Battery backup of 36 hrs for standard configuration
- Automatic battery charging once the AC Power is restored
- Low Battery indication
- Audio-visual alarm indications



Detector Features

- No of Zones - 2 (Delayed & 24 hours)
- Housing Dimensions - 225 mm (H) x 272 mm (W) x 85 mm (D)
- Primary Power - 150 V to 270 V, 50 Hz
- Secondary Power - 12 V / 7 AH battery
- Current Consumption - 100 mA
- Loop Response - approx. 500 ms
- Hooter output - maximum load of 500 mA
- Phone numbers storage capacity - 10 numbers each of 15 digits long
- Message length - 20 seconds
- Shipping Weight - 6 kg

Dragon Fire Alarm Systems

Generally conforms to IS 2189.

- Strong Fire red colored, 1.6 mm thick cabinet
- User friendly operations
- Compatible with all types of conventional detectors
- Battery backup with in built charging
- Automatic switch over to Battery in case of AC mains failure
- Signal Silence to acknowledge Fire / Fault condition
- Available in modular models
- Can be used with wide range of detectors including photo - electronic and photo thermal detectors
- Active fire zones in case of isolating of other zones



Indications

- Separate twin LED indication for fire for each zone
- Zone wise Fault (Open / short circuit) indications
- Fire / Fault status in unambiguous colored indication
- AC Fail / Low Battery warning
- Charger ON / Charger Fail indication
- Fuse blown indication for AC and DC fuses
- Earth fault indications
- Hooter Cut Detection with audio visual warning

On Panel Testing Facilities

- One man walk test facility
- Lamp test facility
- Drill switch to activate alarm sounders manually
- Ease of Maintenance with Auxiliary isolate feature
- Zone isolation facility

Specifications

- No of Zones - 3-24 zones
- Housing Dimensions - 386 mm (H) x 319 mm (W) x 94 mm (D) (3 zone)
- Primary Power - 150 V to 270 V, 50 Hz
- Secondary Power - 24V DC - (12 V / 7 AH battery - 02 nos)
- Current Consumption - 100 mA
- Loop Response - approx. 500 ms
- Hooter output - zone wise + common output
- Zone Input - 2 wire loop with 4K7 end on line resistor
- Auxiliary output - 02 Nos. NO / NC
- Auxiliary contact ratings - 3 A @ 230 V AC

Eagle Electronic Burglar and Fire Alarm System

Features

- Three Zones with one dedicated fire zone
- Arm and Disarm mode
- Range of detectors and sensors such as Magnetic door sensor, Motion sensor, Vibration sensors, Glass break sensor, Panic switch (Hand operated or foot operated), Smoke detectors (Photo thermal, Photoelectric or Heat)
- Battery backup of 36 hrs for standard configuration
- Facility to connect output devices such as Hooter / Paging speakers
- Automatic switch over to battery in case of AC Power failure
- Automatic battery charging once the AC Power is restored
- Low Battery indication
- Audio-visual alarm indications
- Different tones on speakers can be set for Fire and Burglary alarm indication
- Speaker wire cut detection for all sensors and Hooters / Speakers
- Open / Short circuit detection in fire Zone by audio- visual indication
- Option of an Automatic Telephone Dialing (ATD) facility, can call up pre-fed numbers in case of an alarm



Surveillance Systems

CCTV

A complete range of CCTV applications starting from cost effective standalone applications to multi-location multi-site application.

Features

- Can be configured using a wide range of products, ensuring that every possible customer need is met with
- Both IP and analog cameras are available
- CCD and high speed dome camera high quality images, accommodates a variety of lenses
- Mini camera with built-in lens for surveillance
- DVR and NVR (stand alone & server based) for recording
- Wide range of display optics from high resolution CRT monitors to high definition plasma displays
- Remote surveillance



Integration

The CCTV surveillance system can be integrated with access control system, power fencing, fire alarm systems and IBMS.

Real time Video over Wireless

- Configuration flexibility
 - Point to multi point
 - Point to Point
- Spectrum Option: Works in Unlicensed as well as licensed band
- Faster Deployment
- High Data rate, scalability and Security
- City Wide Connectivity: Max distance of 52Km

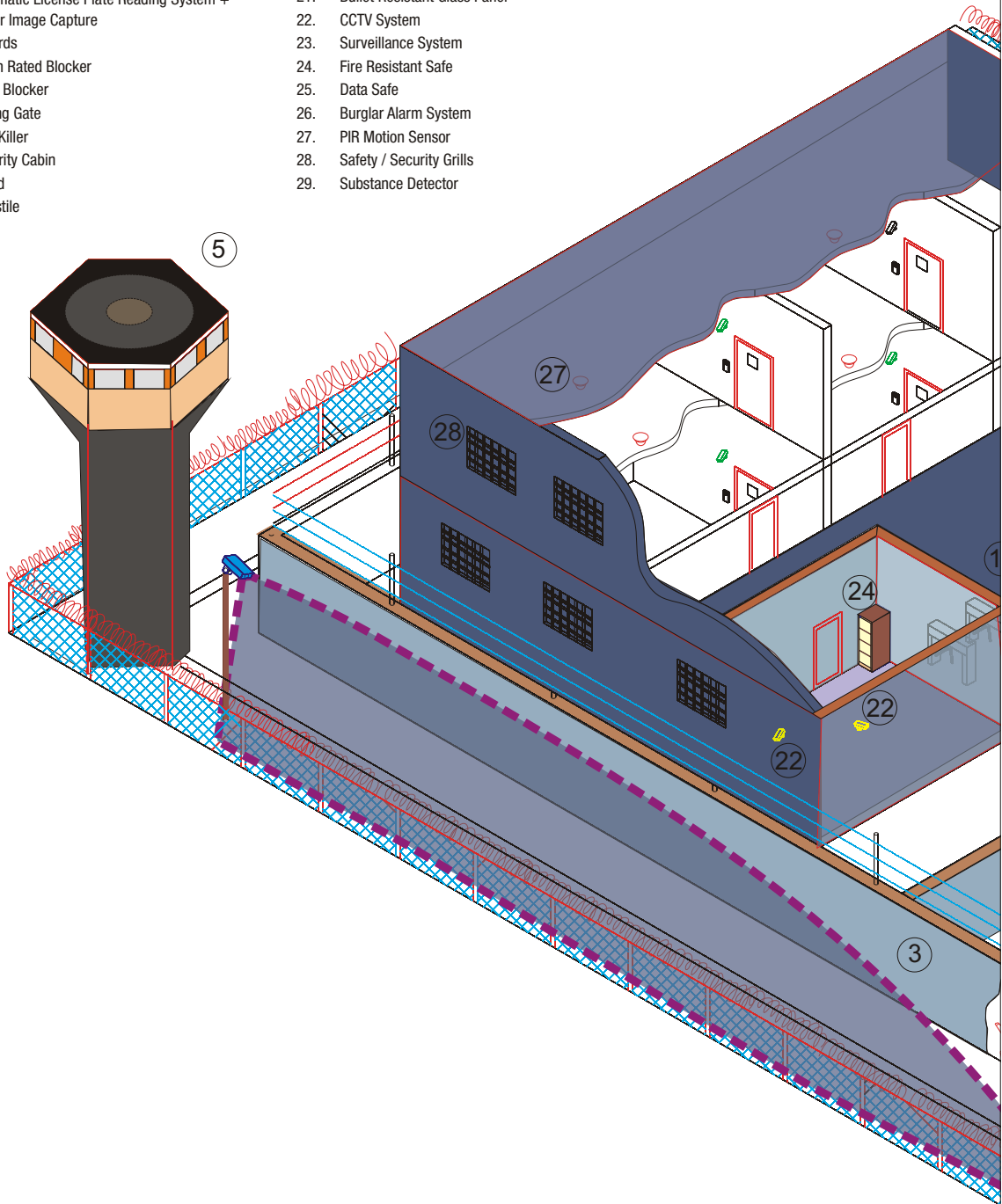
Video Analytics at the Edge

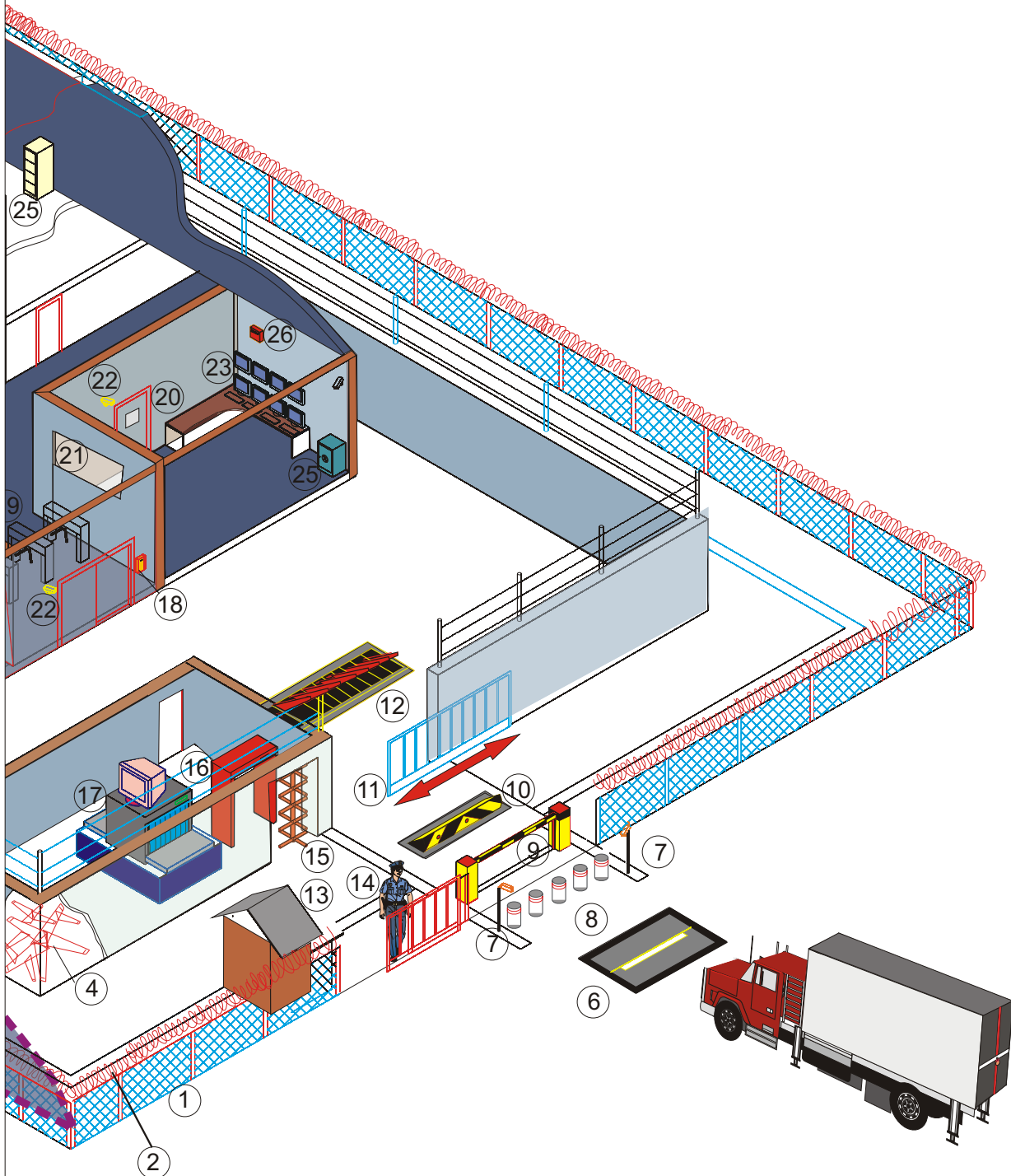
Analytics algorithms bring significant benefits in both live-monitored and incident review operations, work 24 hours a day, 365 days a year and don't get tired or lose interest or concentration.

- Virtual Tripwires
- Motion Detection
- Theft Detection
- Hooded Camera Detection
- Shape-based Detection/Object Tracking
- Abandoned Object Detection
- Congestion Detection
- Counter Flow

Multiple Lines of Defence

- | | |
|--|--|
| 1. Welded Mesh Fencing | 16. Door Frame Metal Detector |
| 2. Chain Link Fencing | 17. X - Ray Baggage Scanner |
| 3. Reinforced High Security Wall | 18. Biometric / Swipe Card Access Control System / Iris Reader / Face Reader |
| 4. Tang Bars | 19. Flap Barriers |
| 5. Watch Tower | 20. Bullet / Blast Resistant Door |
| 6. Under Vehicle Scanning System | 21. Bullet Resistant Glass Panel |
| 7. Automatic License Plate Reading System + Driver Image Capture | 22. CCTV System |
| 8. Bollards | 23. Surveillance System |
| 9. Crash Rated Blocker | 24. Fire Resistant Safe |
| 10. Road Blocker | 25. Data Safe |
| 11. Sliding Gate | 26. Burglar Alarm System |
| 12. Tyre Killer | 27. PIR Motion Sensor |
| 13. Security Cabin | 28. Safety / Security Grills |
| 14. Guard | 29. Substance Detector |
| 15. Turnstile | |





Collaborations

The future of managing next generation security systems with an intellectual endeavor is sustained with collaborations with the leaders in the specific segment of security across the globe.

Tomorrow's security systems will be diverse and more complex in the applications they support, they will be called on to function in real situations and respond, they will need to be scalable beyond our current needs and also how system implementation is planned in real - time.

With our partners listed below in security business we constantly take challenges and build higher to manage next generation security systems

Tescon	- Germany
Magnetic	- Germany
ADAMS	- UK
Stanport	- UK
Advanced Perimeter System	- UK
ATSC	- UK
Elektral	- Turkey
Notifier	- USA
Tele-eye	- Hongkong
Morley	- USA
Panasonic	- Japan
Estimage	- China
Indigovision	- UK
Milestone	- Denmark
Magal	- Israel
Astrophysics	- USA



A Comprehensive Security Solution



Security
Audit



Security
Consultancy



Comprehensive Security
Solution Provider



Annual
Maintenance



Godrej & Boyce Mfg. Co. Ltd.
Security Solutions Division

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