

Leader in Life Safety & Surveillance



About us

We are a distinguished integrator of premium security solutions from around the world. We have established ourselves to provide designs, integrate and implement cutting edge technologies into advances, feature rich solutions to customers in industrial, life safety and security markets.

We remain committed to maintain consistency in quality control and adherence to milestones thus assuring deliverance of a range of products under one roof exceeding client expectations.

Flexitech is managed by a highly qualified management and houses excellent engineering skills, uncompromising quality control, sizeable project team and dedicated erection & commissioning team under one roof. We are a leading Engineering, Procurement and Designing Company providing turnkey solutions – from concept to commissioning basis.

Our Strengths

We have successfully completed big projects by partnering with industry's leading Manufacturers and Giants. Our main strength is the extensive knowledge in the product line and our technical staffs that are very well trained to support all kind of situations related to after sales service and installations. We have a large product-line of industry's leading brands.

Our Team

Our trained professionals provide top class services in Supply, Installation, and Testing & Commissioning of Security Systems & Integrated Building Management Solutions such as Fire Alarm System, Gas Detection Systems, Fire Protection Systems, CCTV Surveillance Systems, Facial Recognition System, Access Control Systems and Public Address System.

Flexitech provides the solutions through its offices backed by an excellent network across the country, with its head office located at Kolkata and also having the presence in South East Asian Countries namely Nepal, Bhutan, Bangladesh, Sri Lanka.

Addressable fire alarm systems consist of smoke, fire, gas, security breach detection and notification devices that link to a central control panel. The location of each activated device in the system is instantly identified when triggered, thereby allowing personnel to locate the initial location of the problem and to track the progress, unlike the conventional systems. In massive, multi-story or sprawling buildings, emergency responders can address the danger immediately and direct occupant evacuation away from the danger.



CCTV Camera HD IP camera systems are simple to setup and use the latest H.265 and H.264 video compression to provide crystal clear security footage. It is easy to set up an IP camera system for your home or business with our Network Video Recorder (NVR) and PoE IP cameras. Using a single network cable, connect the IP security cameras to the integrated Power-over-Ethernet (PoE) ports on the back of the NVR, and the camera will transmit video data and receive power. That's all it takes to setup a PoE camera system using digital technology that can provide resolutions up to 4K or 12MP.



The importance of an effective maintenance program cannot be overlooked because it plays such an important role in the effectiveness of any successful solution. As in personal health care insurance, maintenance must be considered to take care of the health of the system and related equipment. It is required to effectively reduce waste and run an efficient, continuous manufacturing operation, business, or service operation. The cost of regular maintenance is very small when it is compared to the cost of a major breakdown at which time there is no production.



Fire Detection Systems

A Fire Detection system is similar to a nervous system for a building. Our line of fire detection devices allows the alarm system to sense the presence of smoke, sense heat inside of a room and remotely control items like door releases and elevators. Incredibly sophisticated, the system alerts you to a fire and lets you quickly and efficiently pinpoint the exact location of trouble and fire conditions.



A Fire Alarm Control Panel in stand-alone or network configuration our products meet virtually every application requirement. The modular design of the Control Panel makes system planning easier and can be configured with just a few devices for small building applications, or networked with many devices to protect a large campus or a high-rise office block. These provide the ultimate protection of life and property.



Notifier – Fire Detection Systems

NOTIFIER Series intelligent plug-in smoke detectors with integral communication provide features that surpass conventional detectors. Detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each detector's address to be set with decade address switches, providing exact detector locations for selective maintenance when chamber contamination reaches an unacceptable level. A fully integrated, proven reliable system which pinpoints the fire location and is so advanced that it provides controlled stability, automatic drift compensation and adjustable alarm and pre-alarm settings; along with a full range of alarm and detection options.

FAAST

FAAST Fire Alarm Aspiration Sensing Technology™ is a new generation of smoke detectors from Honeywell, which uses advanced technologies and software to deliver the earliest and most accurate smoke detection. The FAAST device range is designed to protect people and assets in even the most challenging environments where standard detection methods fail or are prone to false alarm, or in areas which may not previously have been protected.





Fire Suppression Systems

Fire Suppression Systems use a combination of dry chemicals and/or wet agents to suppress equipment fires. It has become a necessity to several industries as they help control damage and loss to equipment. In the event of fire, the chemical agent is automatically discharged which can also be manually activated is discharged from all nozzles. Fire Suppression Systems are full service provider of highly engineered fire suppression systems and components.



Inergen Systems

Inergen Fire Suppression System protects enclosed areas where people may be present, fire may strike day or night, and damage from conventional agents cannot be tolerated. Upon discharge, the agent fills the room, mixing with the air to suppress fires quickly and effectively. Safe for people, agent is non-synthetic and made of naturally occurring gases: nitrogen, argon, and carbon dioxide. Once discharged, it returns to the atmosphere in its natural state. Inergen agent is free of residues and corrosive by-products that may produce further property damage.

Sapphire Systems - Halocarbon

Using water as a fire suppressant in areas where electronics operate and irreplaceable, high-value assets are stored, could be as devastating as fire itself. The SAPPHIRE Clean Agent System quickly suppresses fires and protects sensitive equipment without causing harm to people or the environment. The system is especially suited to suppress fires in areas where an electrically non-conductive medium is required, where electronic systems cannot be shut down in an emergency, where cleanup of other agents poses a problem, and in normally occupied areas that demand a non-toxic agent.

The Sapphire system uses 3M Novec 1230 fire protection fluid for total flooding applications. The clear, colorless agent has zero ozone depletion potential, an atmospheric lifetime of just five days, and a global warming potential of 1.0. The SAPPHIRE system suppresses a fire before it can be fully engaged and once the fire is suppressed, Novec 1230 quickly evaporates without harming any valuable assets.



SEVO Systems products revolutionize the way clean agent fire suppression systems are designed, installed and maintained. We take advantage of the unique chemical characteristics of a fluid to store it as a liquid, but deliver it as a gas. SEVO Systems' exclusive mission is to develop and commercialize equipment and systems optimized for the unique properties of 3M™ Novec™ 1230 Fire Protection Fluid for the use in fire protection, differentiating SEVO from all other OEM's.

SEVO Systems' distribution is established in over 55 countries in North America, South America, Asia, Europe and the Middle East providing full engineering and mission critical services to support our distributors and end users. Our engineered and pre-engineered total flooding systems have been tested and approved by UL, ULC and FM Global, as well as by other major international agencies and marine approval bodies.

With zero ozone depletion potential, a global warming potential of one and a short atmospheric lifetime of just five days, Novec 1230 Fluid is the first chemical halon replacement to offer viable, long-term, sustainability for special hazards fire protection. Novec 1230 Fire Protection Fluid has the largest safety margin of any chemical halon replacement available due to the fact that its use concentration is much lower than its NOAEL.



FORCE500
by SEVO Systems

flexTM
AUTOMATIC CLEAN AGENT FIRE PROTECTION SYSTEM

FIREFLEX
Systems Inc.
ADVANCED INTEGRATED FIRE PROTECTION SYSTEMS

MODULAR



Unifire is a world leader in support of our nation's first responders. With a long history of manufacturing the best rescue equipment available, Unifire has earned a reputation for solving some of the most challenging problems for rescue and special operations, equipment needs, and supporting the warfighter on mission-critical scenarios.

Autonomous Fire Suppression

Exterior Fire Protection for Tall Buildings

Fires high up on building exteriors can be well out of the reach of firefighters, and even fires on lower levels can be very difficult to reach, particularly on complex structural designs and podium-type buildings. Maximizing firefighting capabilities in buildings therefore requires not only a rapid detection system, but also a system that is installed within the building for instant fire fighting around the clock.



Detect

Within seconds, autonomously detects up to four fires, dynamically locating the fires in three dimensions

Aim & Suppress

Directs a high volume of water onto the flame, with system recalculating position of flame 10 times per second

Remote Reset & Standby

Controls the robotic monitor without any human intervention and returns to standby mode when flames are no longer detected



Tall Building Exterior



Underground Tunnels



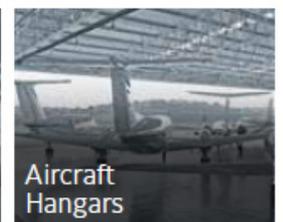
Marine Industry



Storage Facilities



Oil & Gas Facilities



Aircraft Hangars



Hearing Protection →



Head Protection →



Eye Protection →



Fall Protection →

AND RESPIRATORY PROTECTION

DEZEGA closed-circuit SCBA P-30EX

Worn where there is a risk to the respiratory system, Rescue Operation, not dependent on surrounding environmental conditions, underground mines, Chemical industries.

FEATURES:

- High Capacity Light in weight respirator (11 kgs fully charged).
- Ergonomically designed to fully protect the rescue staff to carry out their emergency functions.
- Full, isolated protection of the user in atmospheres that are harmful to the respiratory system.
- Excellent cooling system, for long-term use in elevated temperatures.
- Duration 4 hours.



Self-Contained Air Breathing Apparatus

- Light in weight, back mounted emergency breathing system.
- Ergonomically designed large molded soft back plate with fully adjustable shoulder & waist straps. Provide hands free carrying, which Helps in Rescue Operation.
- Push to connect adapter (pressure demand regulator) takes a second for secure fit to the full-face mask, without any tools.
- Extended swivel pressure hose provides maximum freedom of head movement and unrestricted mobility.
- Comfortable wide vision full face piece.

Cup type Respirator with Valve

- Cup type Dust/Mist Respirator made of non-woven material, light weight, comfortable to wear, does not interfere with vision, glasses or goggles, can easily talk through in it.
- Respirators have low breathing resistance fitted with high tensile strength inner nose clip.
- Provided with double, latex-free, elastic band ultrasonically sealed outside of the filter area to prevent leaks.
- Filter edges and nose clip sealed ultrasonically.
- The nose clip is soft enough that it neither breaks nor corrodes.
- Available with Single exhalation valve, which reduces heat, moisture and fogging and provide comfort to wearer.



Flat Folded Pouch Type Respirator with Single Valve

- Ergonomically designed for clear all round vision. Extremely light in weight ultra-sonically sealed.
- Pliable nose clip plastic coated, auto inserted to ensure long duration lasting and corrosion free Adjustable elasticated auto fit size straps for a secure fit.
- Provided with choice of filters.
- Available in choice of colors.



Flat Folded Pouch Type Respirator with Double Valves

- Ergonomically designed for clear all round vision. Extremely light in weight ultra-sonically sealed.
- Pliable nose clip plastic coated, auto inserted to ensure long duration lasting and corrosion free Adjustable elasticated auto fit size straps for a secure fit.
- Provided with choice of filters.
- Available in choice of colors.
- Available Class: FFP1, FFP2, FFP3.
- Specification conforms for use with: ISI & DGMS marked



INTECH™ FULL FACE MASK



FULL FACE MASK WITH SCREW-IN CANISTER



INTECH™ GAS MASK



TESTER FOR PROTECTIVE RESPIRATORY EQUIPMENT

Honeywell

Honeywell Video Surveillance solutions

Honeywell's redefined IP cameras feature a simplified user interface with full integration to recording devices with new technology that makes checking the status of your system faster and easier. Designed to meet your customer's security needs, Honeywell's eQuIP and HDZ cameras along with MAXPRO NVRs integrate to Honeywell and third party products for a complete, fully integrated IP solution.

Honeywell IP cameras offer superb image quality, low bandwidth and less storage requirements. Honeywell's IP Camera's broad range includes indoor, outdoor, box, and PTZs—in high definition, and megapixel resolutions.



Honeywell - IP Explosion Proof Cameras



Designed for use in hazardous and challenging environments, Honeywell's new explosion-proof network camera features an ATEX/IECEx-certified 316L stainless steel housing that prevents sparks from escaping and igniting gases or dust in the surrounding air. The cameras provide extremely crisp video with up to 2 million effective pixels, 30x optical zoom, True Day/Night, and True WDR for continuous surveillance in both hazardous-area and safe-area applications.

Rugged Design

- Housing made of AISI 316L stainless steel
- Certified for use in Zones 1 and 2, IIC T5 Group (Gas), and Zones 21 and 22, IIIC T100°C Group (Dust)
- Certified temperature for hazardous area: -60°C to 65°C
- Equipped with preinstalled multipolar armored cable (4 or 10 m)
- IP66/IP68 weatherproof rating (IP69 for metal housing)
- Built-in heater and wiper with optional ATEX-certified washer system

MOBOTIX

Security Surveillance Cameras

MOBOTIX has been producing megapixel cameras exclusively for many years now and is regarded as the technology leader for high-resolution video systems. Whether on the Internet, in traffic management, building surveillance or banking environment, the MOBOTIX camera is connected to the network like a printer and live and recorded images can then be retrieved from any PC without installing any software.

MOBOTIX video solutions therefore require significantly:

- ❖ **Fewer cameras;** due to the more accurate detail of panoramic images with megapixel technology,
- ❖ **Fewer storage devices;** because in the decentralized system, 10 times the standard number of cameras can simultaneously store high-resolution HDTV video with sound on one PC/server.
- ❖ **Lower network bandwidth;** because everything is processed in the camera itself and the high-resolution images, therefore do not have to be constantly transferred for analysis. Integrated DVR (up to 64 GB), weeks of recording without network load
- ❖ **Intelligent Cameras Reduce The Number Of Storage Devices**
The decentralized MOBOTIX concept enables the user to save around 10 times the standard number of cameras using just one storage device.
- ❖ **Increased Resolution Reduces Amount Of Cameras Needed**
1536 lines, high-resolution sensors give a better overview and allow monitoring an entire room with just one camera.
- ❖ **Reduced Installation Costs At Any Distance**
Standard Ethernet connection enables the use of common network components such as fiber, copper and wireless (WLAN).



MxControl Centre - MxCC

- ❖ Professional unrestricted version, included with every MOBOTIX camera
- ❖ Synchronized and simultaneous event search on several cameras
- ❖ Image post-processing (contrast, zoom, distortion correction)
- ❖ Integration of analog & digital PTZ cameras
- ❖ Administration and display of any number of cameras
- ❖ No software license fees





VIVOTEK Inc. was founded in February 2000. The Company markets VIVOTEK solutions worldwide, and has become a leading brand in global security surveillance. To fulfil its global strategic footprint, VIVOTEK is committed to building an ecosystem for the IP surveillance industry, and looks forward to long term collaboration and growth with all partners in our shared pursuit of a safe and secure society.

Smarter Is Safer

Our AI-powered video analytics deliver improved overviews and real-time insights, giving security operators the information, they need, when they need it, to ensure safe and secure operations. With intelligent technologies integrated into our surveillance solutions, users have the peace of mind that their sensitive information is secured against prying eyes.

Seamless Integration, Meaningful Connection

The most robust and effective solutions for keeping people, assets, and data safe require many varied technologies to work seamlessly together. Our innovative surveillance solutions unlock new possibilities for a wide range of vertical applications, leveraging our two decades of industry expertise and global strategic partnerships



Cyber Security

VIVOTEK's cybersecurity assurance efforts are built into the lifecycle of products, including development, verification, manufacturing, delivery and service. We are constantly evaluating and enhancing our cybersecurity efforts by cooperating with the world-renowned cybersecurity company, Trend Micro.





NYMO – VeraSight - ANPR

Artificial Intelligence (AI) algorithms are becoming an integral part of many security initiatives that aim to automate and improve a wide range of surveillance activities and operations. These programs generally share the goals of improving accuracy and efficacy of surveillance, efficiency and tracking objectives. It gives computers the ability to see, hear, move, and reason. AI-powered computer vision systems, for example, allow computers to identify millions of elements of urban life simultaneously, such as people, cars, public workers, trash, accidents, fires, disasters, etc.

The system allows not only for autonomous monitoring but to make decisions based on how each of these elements behave, how behaviours change over the course of each day or over time, and how elements are responding to city systems.



Nymo's Verasight platform coupled with its proprietary ANPR algorithm uses multiple data points to maximize the likelihood of a match in dark light and poor angles. The Deep Neural Network extracts encoding after applying multiple convolutional layers and detecting multiple features of a face. The algorithm can pick a Number Plate with just 148 pixels. It can recognize a Number Plate at 20 Feet at Full HD and in 4K at 50 Feet distance. Nymo uses state of the art Edge computing to recognize and match License Plates at the device level where possible.

From plate-mapping, tracking and dispatch, to broadcasting alerts and up-to-the-millisecond real-time updates, keep everyone informed in real-time. When something happens in the real world, it's reflected instantly.

Additionally, Realtime Dynamic Entity Alert Features includes:

- ❖ Queue length,
- ❖ Accident Alerts,
- ❖ Geofencing,
- ❖ Geo-hashing,
- ❖ Geo-Search,
- ❖ Direction-based alerts on entities including individual and vehicles.





Nymo VeraSight - Face Recognition

Nymo VeraSight addresses end-to-end attendance/access control from face detection, encoding, recognition, to broadcasting alerts and up-to-the-millisecond real-time updates, keep everyone informed in real-time. Nymo VeraSight tracks every entry and every exit of employees right up to milliseconds. These timings are then aggregated to find the employee productivity by computing the amount of time spent inside vs outside the office premise. Nymo's face recognition algorithm uses **128 data points** to maximize the likelihood of a match in dark light and poor angles.

While aggregating the transactions to compute productivity and attendance, rules may also be defined to disregard entry and exits during very short time window. Such entry and exits may be part of short breaks that may be acceptable as part of normal day of an employee. Key employees may also be flagged to indicate whether they are in or out of the office at the moment.

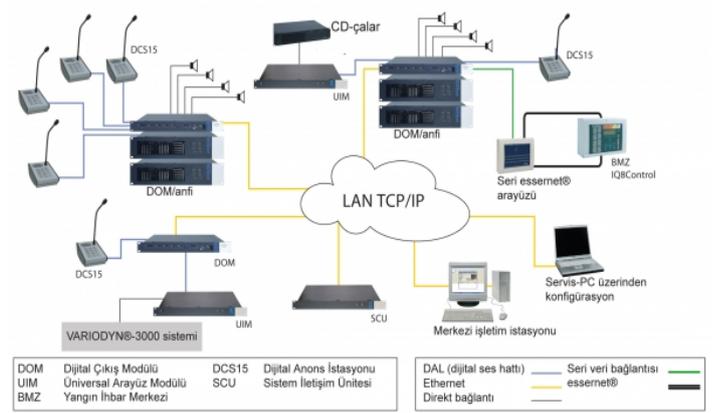
When something happens in the real world, it's reflected instantly. Broadcasting push notifications, locating the position of the person recognized, or changing alerts settings, real-time updates are key catalysts for improved customer experience. Deliver up-to-the-millisecond updates with Nymo's VeraSight Mobile solution. Users can build interactive and powerful cognitive alert conditions directly into VeraSight and start monitoring immediately.



Honeywell

Public Address & Voice Alarm

Variodyn is one system which truly defines the term "All in One System". It allows automatic evacuation under permanent surveillance, signal distribution, flexibility of integration with other systems, extension of existing system, improved performance and user friendly. As public address systems are integral part of our public life today. Variodyn effortlessly combines public address and emergency, thus accompany our daily lives to ensure our security and unobtrusive. Always and everywhere.



Digital Transmission

Digital signal processing and transmission mean maximum power: countless different functions and tasks are easily handled at the same time, distributed and monitored constantly. VARIODYN system can be extended at any time. Litigation audio quality losses are minimal.

Boundless Network

The VARIODYN network configuration opens up new horizons: multiple system units can be networked and even whole networks are involved. It's easy with good standard equipment via Ethernet. Even the diagnosis on the World Wide Web is possible.

Distributed Intelligence

In VARIODYN system the tasks are distributed on many shoulders: Thanks to its own digital signal processors (DSPs) and controller, the system devices are configured individually as needed and acoustic environment. The range of loudspeakers are fully compliant to BS5839 part 8 and EN54 part 24 to ensure high reliability and excellent performance in even extreme conditions, such as fire

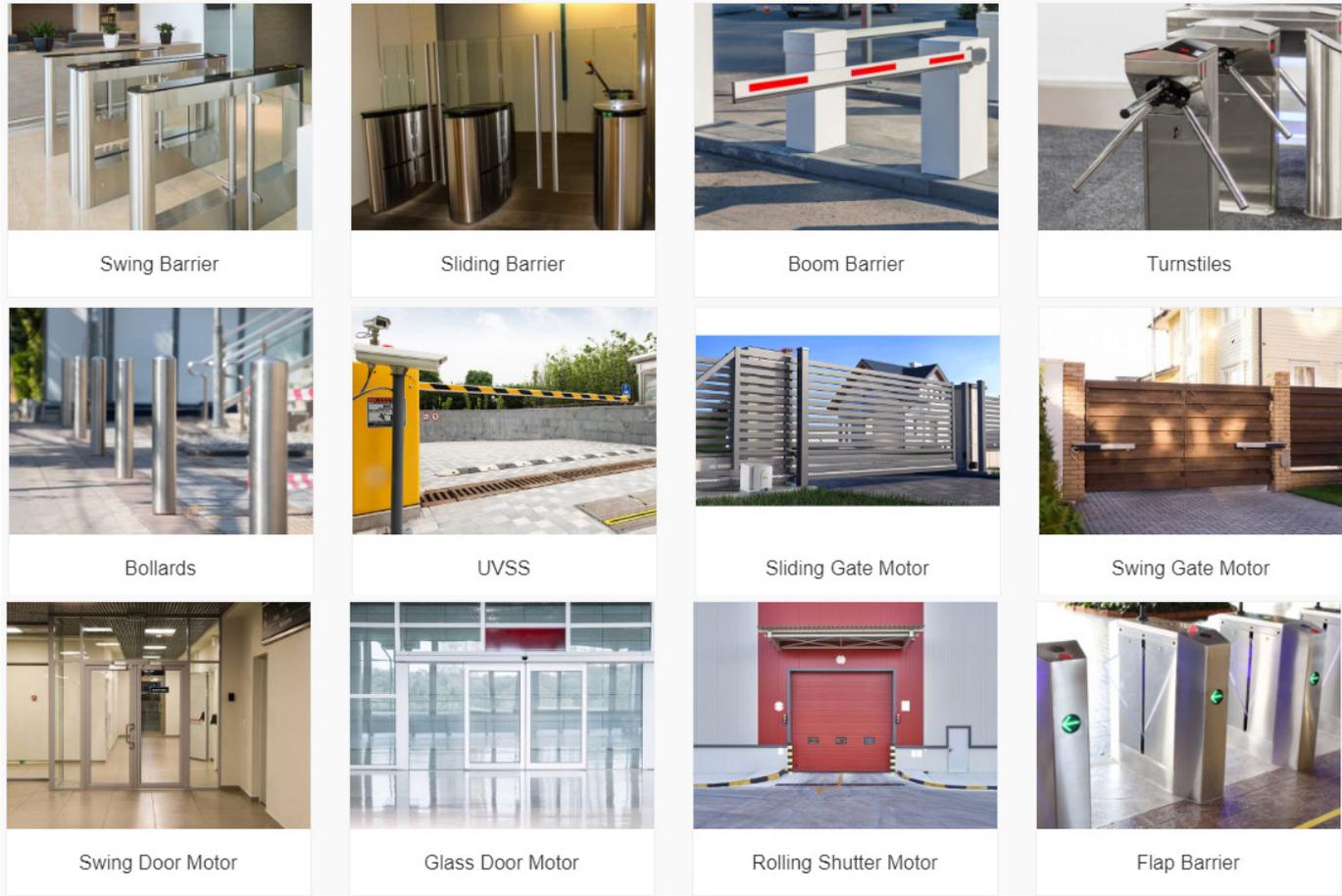
Honeywell - Access Control Solutions



Designed to work seamlessly, Access Systems' products provide you with the technology you need to deliver sophisticated security solutions—from the simplest to the most challenging. State-of-the-art access control software that integrates the most advanced security technologies with innovative networking capabilities to bring you full-featured security solutions serving any size facility.

LEAPTOR offers wide range of products from **Turnstile, Boom barrier, Flap barriers, Swing barriers to Access Control Solutions.** These products are designed to create a difference to your secure premises and assures peace of mind to users and are designed with engineering excellence to ensure compliance as per International Standards for withstanding toughest weather and application conditions in India and to give clients the assurance of quality class cost effective solutions.

The company's strong technical backbone in innovative R&D and manufacturing facilities ensures that each product delivers on our promise of quality, precision and innovation.



Detect and Screen faces



Temperature Screening



Face & Masks Detection

Gas Detection System



The Industrial line incorporates the full spectrum of gas sensing technologies (electrochemical, catalytic bead, open-path and point Infrared), offering the safety manager a "one-stop" solution for choosing a compatible gas detection system or integrated fire/gas system. Whether your need is to monitor gas hazards in a large area or several discrete locations from a convenient central site. Ideal for confined spaces, spot leak testing and mobile use. Portable gas detectors are marked by flexibility and quality with a variety of single or multi-gas detectors are offered in compact, lightweight designs -- from simple alarm only units to advanced, fully configurable and serviceable instruments.

Honeywell Building Manager

Honeywell Building Manager is a high-performance automation solution for monitoring and controlling the different subsystems across your enterprise. The intelligent building management platform integrates the systems, equipment and field devices that control your heating, ventilation and air conditioning (HVAC), energy consumption, lighting, hydraulics, water, electrical equipment and much more. Building Manager utilizes standard open system protocols to integrate information from the building's subsystems to provide:

- Seamless monitoring and control
- Faster response time
- Accurate data
- Increased productivity
- Reduced risk of down-time and exposure



azbil

Azbil India caters to the diverse automation segment as:

- Building Automation System - For Data Centers, Pharmaceuticals Factories, Hotels, Underground Metros, Hospitals, Cash & Carry Stores, Malls, Airports, Commercial Buildings
- Systems Solutions and Services - For Oil & Gas, Petroleum, Power Plants, Transmission & Distribution
- Factory Automation Products - For Automobile, OEM, Steel, Cement, Pharmaceuticals



Our Partial Clients List

ITC LTD. PSPD DIVISION, Tribeni, West Bengal
GMR Group - Delhi International Airport (P) Limited
Jindal Steel & Power Co. Ltd. Ramgarh, Ranchi, Jharkhand
National Thermal Power Corporation Limited (NTPC Ltd)
EEDF (Sri Aurobindo Hospital), Kolkata
Blue Star Ltd.
GAIL, Pata
Deccan Fine Chemical Pvt. Ltd
Surya Nepal Pvt. Ltd., Simra, Nepal
Arham IT Infrastructure Pvt. Ltd.
Syngenta India Ltd.
Almatis Alumina Pvt. Ltd.
Simplex Infrastructures Ltd.
Zen Technical Services
Mercantile Bank Limited, Bangladesh
Globe Detective Agency
ITC Ltd., Chirala
Columbia Asia Hospital, Kolkata
ITC Ltd., Anaparti
Unique Engineers Construction Pvt. Ltd.
Fortis Hospital & Kidney Institute
Gulshan Polysols Ltd.
Drive India Enterprise Solutions Ltd. (A TATA Group Company)
ITC Ltd., Mysore
Diesl – TVS Logistics Services Ltd.
Givaudan (India) Pvt. Ltd.
ITC My Fortune, Bangalore
ITC Hoskote (Foods Division)
Surya Nepal Pvt. Ltd., Pokhara, Nepal
ITC Virginia, Kolkata
Green Acre Holdings Ltd.
ITC Bhadrachalam
Pratham Group
Honeywell Automation India Limited
Safe Way
Ananda Bazar Patrika Limited
Givaudan (India) Pvt. Ltd.
ITC Limited, Saharanpur
HATCH
Embassy of Israel in India
LANXESS INDIA PVT. LTD.
ETA Constructions (India) Ltd.
Cummins Technologies India Limited
BIEC - Bangalore International Exhibition Centre
Unity Group
Shree Cement Ltd.
Hindustan Unilever Limited
WPDCL, Sagardighi
Taj Hotel Ltd.
Dekko Group of Bangladesh
CSIR – CIMAP, Lucknow

.....and many others.



INDIRA GANDHI INTERNATIONAL AIRPORT



Hindustan Unilever Limited



Royal HaskoninaDHV



THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED



ALMATIS

PREMIUM ALUMINA



6MP
HiRes dual image, up to 6 megapixels (also at night)

Integrated 4 GB MicroSD card
(expandable up to 64 GB)

High frame rates up to 30 fps (Mega)

Shock detector

USB
MiniUSB port for external expansions

PoE
Variable PoE class

MxBus
MxBus port for MOBOTIX add-on modules

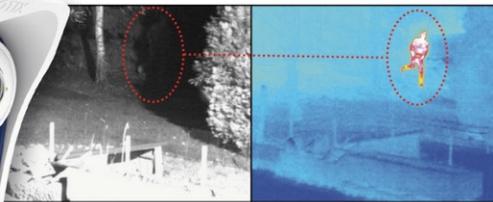
MxActivitySensor detects movement and the direction of movement



Cambium Networks



Thermal Resolution Equivalent to 0.05 °C, range -40 to +550 °C



Hot Spot Analysis With thermal image overlay



Extreme Weatherproof, IP66, -30 to +60 °C



Power Lowest energy bill, < 6W, Standard PoE



Temperature Alarms Up to 20 different automatic temperature events



Motion Detection In complete darkness with MxActivitySensor



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www.flexitechautomation.com



Honeywell

Access Control Systems

FAAST

Honeywell

Mission Critical Aspiration Detection



- No false alarms
- No business disruption
- Earliest warning detection

The world's first web & IP enabled aspiration device enables remote monitoring from any location.

With ultra sensitive detection to EN54-20 Class A and immunity to false alarm risks, you can support your end user uptime goals.