

ADDING SENSE.  
BUSINESS REIMAGINED.



Electronic Security Systems and Industrial Automation



We provide a complete solution from design to installation, support and maintenance of Electronic security integrated systems and Industrial automation.

Packed by advanced technology and with 15 years of experience in this business, we deal with range of products and services which covers Video Surveillance & analytics, Time attendance & Access control, Thermal products, Video intercom solutions, Intrusion detection and alarm systems, Fire detection and alarm systems, Industrial Automation.

ACUPiX

HIKVISION

dahua  
TECHNOLOGY

SYSTEM  
SENSOR

SAMSUNG

CP PLUS  
enhancing vision

LifeSOS

SECURICO  
Innovation. Passion. Commitment.

eSSL  
Security at Fingertips

ezviz

eGlu  
Home, Smart Home!

Ravel  
Reliability at reach



# VIDEO SURVEILLANCE AND ANALYTICS

*Expand and grow your business anywhere,  
have your eyes everywhere*

Security requirements vary among our clients. That's why we design and tailor network cameras to meet various needs – from general video surveillance to video content analytics based on Deep Learning algorithms – and beyond.

Omegaatec's integrated CCTV system not only comprises traditional analog and IP/network cameras, but also specialty types such as thermal imaging and explosion-proof cameras to cater for temperature and environmental extremes in Industries and Factories.



**Solution by application** – Temperature screening, Perimeter protection, Heat mapping, Queue detection, People counting, ANPR (Automatic Number Plate Recognition)



People Counting Camera



Automatic Vehicle Number  
Plate Reading Camera

**Solution by industries** Intelligent specific products for traffic, banking, buildings, retail, hospitals, institutions, manufacturing industries, process industries, safe city, SME's and so on.

### **State-of-the-art Technologies**

We have special purpose cameras and recorders with highest level technologies to meet customer's specific requirements.

### **Color VU - Technology**

View in color even in total darkness – 24/7 colorful imaging

### **Acu-Sense - Technology**

Includes smart functions like,

- 1) Camera with PIR (passive infra-red )motion sensor
- 2) Camera with strobe light and Audio alarm
- 3) Line crossing, entry& exit, unattended baggage detection, Object removal detection, Intrusion detection using acu-sense recorder
- 4) Face detection, Audio detection using acu-sense sense recorder
- 5) H.265/ H.265 + Codec Technology

### **Deep in mind - Technology**

False alarms are disregarded. Alarm triggering happens only for human and vehicle events not for birds, leaf, light and rain.

### **Pan-Tilt-Zoom (PTZ) camera**

– Monitor large areas with a Single Camera. Move different directions to get a whole picture and zooming in for further details.



### **PanoVu - technology**

Panoramic View – Multiple cameras in a single cabinet



### **Wi-Fi - Cameras & NVR**



### **Special camera**

Covert (Hidden) Network camera





# THERMAL PRODUCTS

*Real Vision is the ability to see the invisible*

Thermal products are capable of capturing images all day & night regardless of environmental factors

## SECURITY THERMAL CAMERAS

for Fire prevention, Temperature measurement, Line Crossing and Perimeter protection. Detecting fire risk in first place and perimeter protection in all weathers.

## THERMOGRAPHY THERMAL CAMERAS

- Face Recognition & Authentication
- Attendance and Door Access control
- Fast Body Temperature Measurement ( Fever Screening)
- Face Mask Wearing Alert (also Force Face Mask Wearing)
- Optional Card & Fingerprint
- Configurable Door Status (open/close) when detecting fever



SECURITY THERMAL CAMERAS



Hand held



Face Terminal



## TIME - ATTENDANCE & ACCESS CONTROL SYSTEM

*Every day, every hour, every minute – recorded*

People are the most valuable asset and their time is just that much a valuable resource that fuels further growth of the organization. To avail the benefits of time-attendance policies, biometric machine for attendance must be chosen wisely.



BIOMETRICS  
Face/Finger print/Card  
& Pin Reader



## VIDEO INTERCOM SOLUTIONS

*Built for Effortless Communication*

Video Intercom line offers a comprehensive range of products to enable more efficient and convenient two-way audio and video verification for entry control.



- Mobile phone app notification
- For Single villa, Multi-apartments, Hospitals etc.
- Integrated with CCTV and alarm systems
- Wi-Fi IP based Video intercom
- 7" Touch-Screen Indoor Station
- Remote unlocking via the client or the APP
- Views live videos of door stations and external cameras
- Fish eye, IR Supplement 2 lock relays, IP65

## INTRUSION DETECTION AND ALARM SYSTEM

*Experience the Joy of Safety and Security*

Intrusion Detection & Alarm System (more commonly called Intruder/Burglar Alarm System) is useful to detect any illegal/unauthorized entry into any premises and raise an alarm, where this device is installed.



Wired Control panel with speech dialer and key pad



Wireless Control panel with speech dialer and key fob



1. Magnetic door sensor
2. PIR motion sensor
3. Vibration sensor



1. Shutter contact sensor
2. Beam detectors
3. Sounders/Alarms



# FIRE DETECTION AND ALARM SYSTEM

*Plan and practice your escape*

- Control panel • Smoke/Heat detector
- Beam detector • Manual call point

## Introduction of Fire Detection and Alarm System

Fire detectors are designed to detect one or more of the three characteristics of fire - smoke, heat and flame and to discover fires early in their development when time will still be available for the safe evacuation of occupants.

Besides it every fire detection system must include manual call points (break glass), so that in the event of fire can be of immediate help. During a fire importance of activation of the occupants through alarm or bell is of at most vital and this can performed through alarm system.



# INDUSTRIAL AUTOMATION

**Combination of traditional manufacturing with smart technology to achieve labor-saving.**

Automation or **Labor-saving technology** is the use of various control systems for operating machineries with minimal or reduced human intervention. The benefit of automation includes labor savings, savings in electricity costs, savings in material costs, and improvements to quality, accuracy, and precision.

Industry 4.0, the fourth industrial revolution using IIoT

In essence, Industry 4.0 is the trend towards factory automation and process automation which include cyber-physical systems (CPS), Internet of Things (IoT), Industrial internet of things (**IIoT**), Cloud computing, Cognitive computing, Edge computing, Robotics, Big data and Artificial intelligence.

Industrial Internet of Things (IIoT) refers to interconnected sensors, instruments, and other devices networked together with computers' industrial applications. The IIoT is an evolution of a distributed control system (DCS) and SCADA that allows for a higher degree of automation by using cloud computing to refine and optimize the process controls.

## We work together with our technology partner

TECHTRON PTE LTD, SINGAPORE to influence new trends in technology.

Techtron has a decade of experience in Industrial Automations and have clients from various industries like Petro chemical, Power, Waste to Energy Plants, Food etc. in Singapore. Along with, we provide automation solutions for industries like Sugar, Starch products, Spinning / OE mills and so on.

## OUR PARTIAL CLIENTS

 SKM ANIMAL FEEDS (P) Ltd	 SPAC STARCH & DERIVATIVES	 S P Textile Processors Pvt. Ltd.,	 GOVERNMENT OF TAMIL NADU FOREST DEPARTMENT	 URC Building Values	 marico	 SRI PATHY ASSOCIATES
 NSN COCONUT OIL	 KSK THE GREEN TANNERS	 DMW INFRA INFRASTRUCTURE	 VENBRO POLYMERS	 WESTSIDE	 SUDHAN YARNS	 SAHYADRI Indian. Innovative. Iconic.
 KALYANI KIDNEY CARE CENTRE	 THANGAM HOSPITAL ERODE	 TIRUPUR KIDNEY CENTRE	 KONGU ENGINEERING COLLEGE	 CS Academy Aspire Create Excel	 BHARATHI VIDYA BHANU ERODE	 PPG Group Of Institution
 BUILDERS ENGINEERING COLLEGE	 NANDHA EDUCATIONAL INSTITUTIONS LEARN SERVE SUCCEED	 KIT INSTITUTE OF TECHNOLOGY	 HOTEL LE JARDIN	 HOTEL atrium adding Pride to Erode	 MAGIC mobiles	 EroFresh PACKAGED DRINKING WATER



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