WELPO

Make Your Dream Success Here

COMPANY PROFILE

Welpo India Pvt Ltd

Welpo India Pvt Ltd is authorized distributor of world-renowned brand and offers turnkey solutions in Building Integration System, CCTV Surveillance System, Fire Alarm System, Voice Alarm & Evacuation System, Audio & Video Conference System, Access Control System, Intrusion Alarm System, etc.

Welpo India Pvt Ltd was established in 2015 and since then it has undertaken many diversified projects ranging from corporate to public sector in different trades and domains.

Of one thing you can be certain, If you need electronic safety & security installation with relevant services for your assets, Plus will be there with the latest technologies, solutions and sound advice on what you really need to achieve your objectives in a cost effective way.

We're people you can rely on.....

Welpo India Pvt Ltd

Vision

To provide quality services that exceeds the expectations of our esteemed customers.

Mission Statement

To build long term relationships with our customers and clients by providing efficient, reliable and cost effective solutions meeting all customers needs and requirements.

Core values

We believe in treating our customers with respect and faith. We integrate honesty, integrity and business ethics into all aspects of our business functions.

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Our Solutions

FIRE ALARM SYSTEMS	***CCTV SURVEILLANCE SYSTEMS***	***VOICE ALARM & EVACUATION SYSTEMS***	***ACCESS CONTROL SYSTEMS***	***INTRUSION ALARM SYSTEMS***	***BUILDING INTEGRATION SYSTEM***
FIRE SUPPRESSION SYSTEM	***VIDEO WALL SOLUTIONS***	***AUDIO CONFERENCE SYSTEMS***	***BARRIERS & BLOCKERS***	***NURSE CALL SYSTEM***	***INTERNET of THINGS***
SOLAR ENERGY SYSTEM	***UNDER VEHICLE INSPECTION SYSTEM***	***VIDEO CONFERENCE SYSTEM***	***TURNSTILES & SPEED GATES***	***WALK THROUGH GATES***	***UPS & STRUCTURED CABLING***

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Our Brands

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Building Integration Solution

Industrial Standards Open Protocol (OPC) Based

1. BIS Monitoring station
2. Fire detection system
3. Intrusion detection system
4. Video surveillance systems
5. Fence and wall monitoring
6. Access control and parking lot management
7. HVAC, lighting, blinds, etc. monitoring
8. Public address / evacuation

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CCTV Surveillance System

Network, Analog & Thermal

ONVIF

720P HD | Full HD 1080 | 5 mega pixels | 4K UHD | 12MP

- Box & Mini Box Cams
- Mega Pixel Lenses
- Dome Cameras
- Bullet IR Cameras
- Panoramic Cameras
- PTZ Cameras
- Special Cameras
- LPR Cameras
- Thermal Cameras
- IR Illuminators
- DVRs & NVRs
- Servers & Workstations
- Management Software
- Storage Solutions
- LED Monitors
- Housings & Brackets

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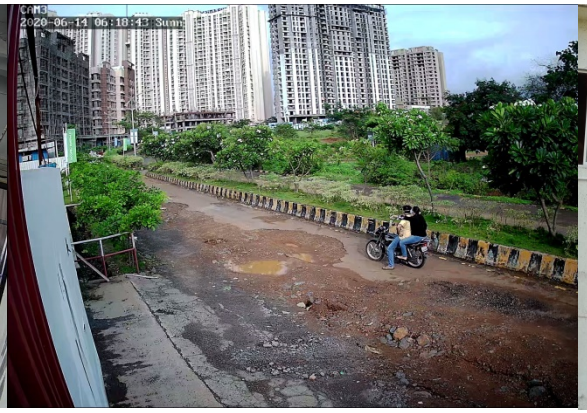
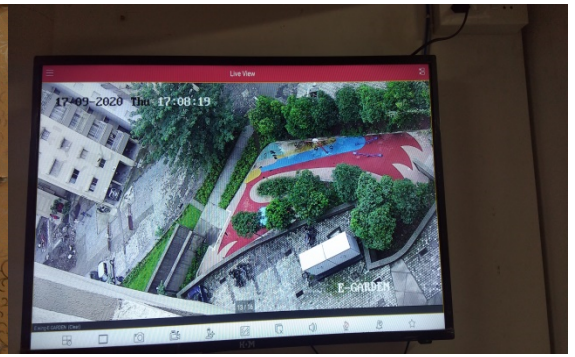
CCTV Surveillance System Views and Picture clarity





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Electrical Conduits for Safer Electric Wiring

Electrical conduits are an electrical piping system made of plastic, metal, or fiber, that are used to provide wiring or cable route to protect it. The use, form and installation details for electrical conduits are specified by the wiring regulations such as the US National Electrical Code (NEC) or other national or local code.

Types of Conduits

The location of an electrical conduit will usually determine what kind of material may be used. Since electrical conduits are used mainly in the outer wall surface in exposed locations, they are made of a material that is either flexible or rigid.

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The following are the most commonly used materials:

Rigid steel
IMC
EMT
PVC
PVC-Coated
Liquid- tite / sealtite

The type of conduit system that is to be applied depends upon the wall thickness, mechanical stiffness and the material used to make the tubing. The material can be chosen for mechanical protection, corrosion resistance and for cutting the costs on installation charges. As far as wiring regulations for electrical equipment in hazardous areas are concerned, certain kinds of conduits need to be used depending on the regulation specifications.

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Rigid Steel Conduits

These are the heaviest and thickest amongst the multiple types electrical conduits and provide more protection than the flexible conduit for electrical wires. Rigid steel conduits are generally made with stainless steel, coated steel, or aluminium. It is treated for corrosion resistance by applying different coatings.

The key benefits of rigid steel conduits are:

Best to shield from electromagnetic fields
Gives protection against white rust and corrosion
Provides smooth and continuous raceways for fast wire pulling
Is useful for wiring in outdoor areas with extreme conditions such as under driveways, service feed installation, etc.

Intermediate Metal Conduit (IMC)

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Intermediate Metal Conduit (IMC)

This is another rigid material, but is comparatively lighter in weight and thickness and works similarly as the galvanized rigid conductors (GRC). IMC is designed specifically to protect cables and insulated electrical conductors.

Key Benefits:

Larger interior diameter than the GRC with a smooth pipe interior that allows easy wire pulling through the conduit.
Extended life span of conduits with a special corrosion resistant coating
Interchangeable with GRC
Most suitable for outdoor applications and exposed walls in garages, basements and other areas where there are high chances of damage.

Electrical Metallic Tubing Conduit (EMT)

EMT is both easy to install and light in weight and is best used indoors. It is made of steel or aluminium.

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Key Benefits:

Lighter and cheaper than GRC
Can be easily bent in specific directions and radius
A-listed steel raceway of circular cross section and is unthreaded
Mostly used in commercial and industrial buildings

PVC Conduit

PVC conduits are the lightest and most inexpensive of all the conduits. They are best used indoors, though they offer excellent resistance against different weather conditions and elements of nature such as sunlight, moisture and corrosion.

Key Benefits:

Weather resistant
Useful for over ground concealed application
It can be used for underground application, however it requires a lot of care
Mostly used in utility, commercial and industrial applications

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PVC-Coated Conduit

The PVC Coated conduits are used for the cable and wire's mechanical protection in hospitals, tunnels, etc. They can also be chosen in different colors.

Key Benefits:

Water resistant High, Mechanical Strength Flame retardant Highly, flexible and durable Low smoke density

Liquid-Tite/ Seal-Tite Conduit

Liquid-Tite conduits are flexible and come with outstanding mechanical strength. They are available in different types of jackets and are most useful for industrial and commercial applications where a maximum rating of 75 degrees Celsius is required. It is also used in places where continual vibrations and flexing may occur.

Key Benefits :

Corrosion resistant, Flexible construction
Smooth interior useful for easy wire pull through

With electrical conduits being a necessary and critical aspect in every electrical system, it is essential to weigh the pros and cons of each type against the requirements before making the final choice.

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What is an IP Camera System?

The "IP" means that the camera connects to the network rather than to a DVR using a coax cable.
The IP camera system includes not only the cameras but also the video recording system. The cameras and the recording system connect to a network switch. The IP camera systems may also integrate with IP door access control and IP Intercoms.
This article describes how to install your IP camera system. It reviews all the steps required to mount the cameras, install it on the network, and connect it to your video recording system.

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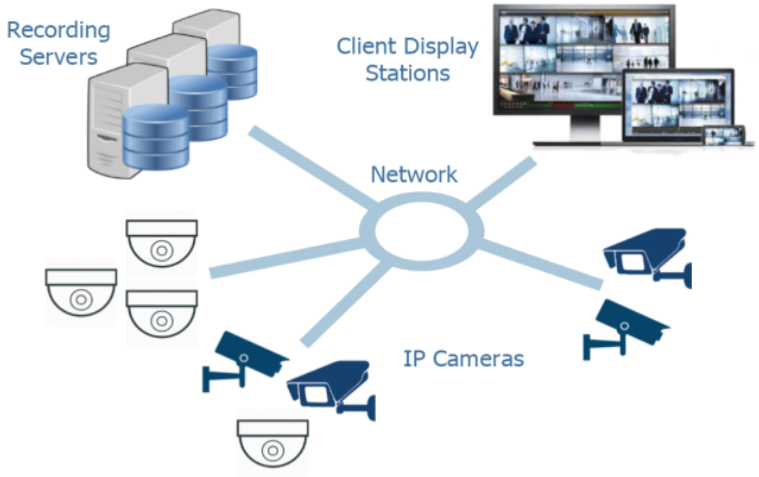
IP Camera System Diagram



How to Install the IP Camera

The IP camera requires a PoE (Power over Ethernet) network connection. Installation requires running the network cables, adding switches, and adjusting t he cameras to view the areas you want to see.

Install Your Network Infrastructure

Run the network cable through the walls and ceilings to all the locations where you would like to install the IP cameras.

Plan Ahead

Surveillance camera requirements tend to increase after you install the initial batch of cameras. You may find it necessary to add cameras in other locations. For example, if you install IP cameras in the halls, you may later realize that you need more cameras in the stairwell, offices, or classrooms. Try to anticipate your needs to minimize labor.

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Add Network Switches with PoE

Network-attached cameras use Power over Ethernet (PoE). It is essential to add network switches that include PoE (or use a PoE injector). Make sure that the network switch has enough power to support IP devices on all the ports. Some switches have a power budget that limits the power to all the ports, so look carefully at the specifications. You can also attach many door access control readers and paging amplifiers to the network switch that includes PoE.

Install the IP Camera Mounting Brackets

Some IP cameras make it easy to install cameras. Take a look at the new X-Series IP cameras from Hanwha. These cameras allow you to install the camera brackets and then come back later to mount the rest of the camera.

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Mount the IP Cameras

IP Camera Installation

Connect the IP camera to the network cable with PoE.

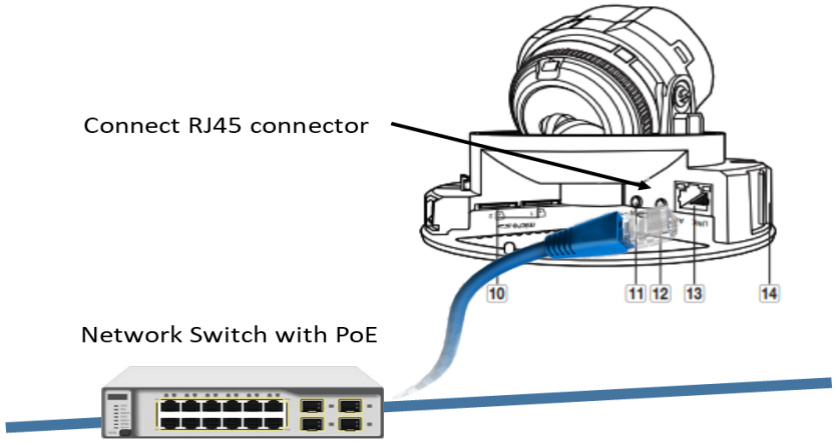
Mount the camera onto the bracket.

Roughly adjust the position of the camera to view the area that you want to surveil.

Setup the IP Camera on the Network

You can then view the camera video using a laptop.

You can use a web browser to see the video and make changes to any of the camera settings.



Each camera manufacturer provides a method of getting to the IP camera for the first time. Some IP camera manufacturers utilize the automatic services supplied by DHCP. For example, the Hanwha cameras IP address will be assigned from the DHCP server automatically. If there is no DHCP server available, the IP address will be set to a default address that is specific to each manufacturer. For example, Hanwha uses the default IP address of 192.168.1.100. Many camera manufacturers provide software tools to help you install the cameras. For example, Hanwha has an installation tool that can be used to find all their cameras on the network. Once the camera is found, you can enter the initial password, "4321" to configure the IP Address, Subnet Mask, Gateway, HTTP Port, VNP Port, IP type. After changing the camera settings, make sure you change the password.

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Make Final Adjustments

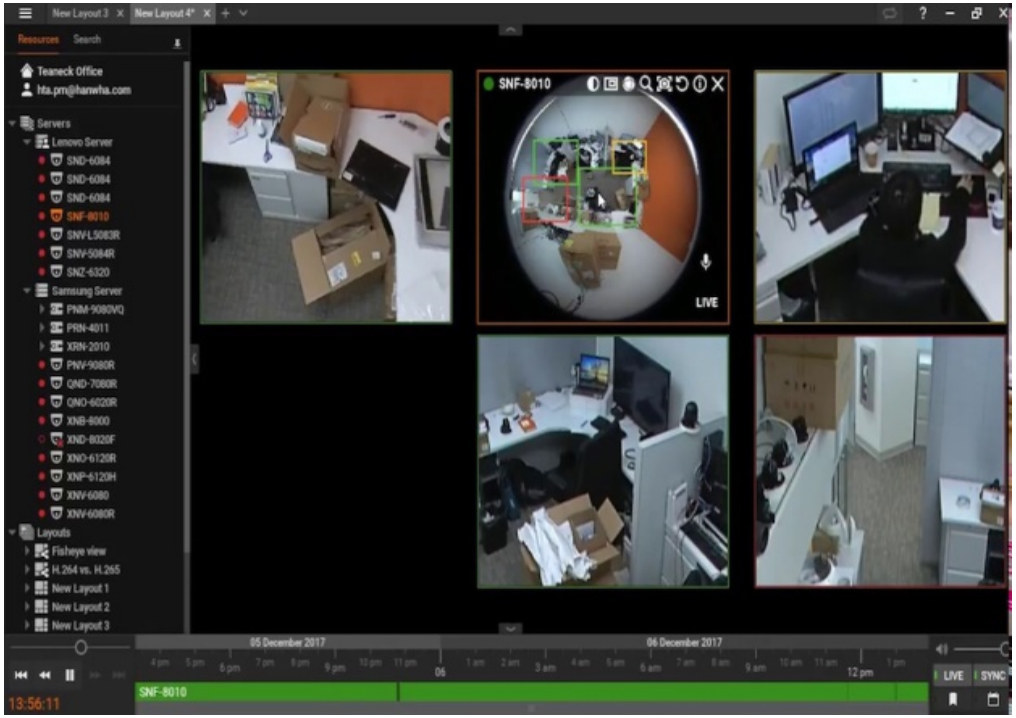
Once you can see the video either using a web browser or Video Management System, you can make the final adjustments to the field of view and focus of the IP cameras. Some cameras allow you to make position and zoom adjustments from the computer. If you don't have a camera with remote set up, you will have to manually set the direction, the field of view and focus manually. For example, the QND-7084R has a remote zoom lens. If the camera is aimed in the right direction, you can remotely adjust the field of view from your web browser. Other cameras, such as the Axis Q3615 and the Hanwha XNV-6081Z are dome cameras with remote Pan, tilt, rotate, and zoom (PTRZ) capability. PTRZ allows you to point the camera from your computer, adjust the field of view, zoom, and focus.

Setup the IP Cameras

The latest IP camera systems provide a lot of intelligence. The built-in analytics allow you to be notified if a person (or object) crosses a line, if a person leaves a package, or takes your laptop (or any object). All these special functions can be adjusted from the IP cameras built-in web page.

Install the Video Management and Recording System

Video Recording Software After you have installed the IP cameras on your network, you can register them in your video management and recording system. There is a choice of video management systems available. There is software (VMS) that runs in your Windows computer or Network Video Recorders. In both cases, the video management system records the video from the IP cameras and allows you to set up and manage your IP cameras. They also provide rules for notification of alarms such as motion detected or camera failures.



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Video Management Software

The VMS (Video Management Software) is more flexible and can support more IP cameras. One example is WAVE from Hanwha. This is an easy to use software product that provides a lot of flexibility and can be integrated with Door Access Control Systems. Another software example is Oculars' from Qognify . The Ocularis VMS can support a very large number of IP cameras across many servers and locations. It is flexible but more complicated to install and operate than the WAVE VMS.

To install the VMS, download the software from the appropriate website. Follow the steps provided. For example, WAVE includes an Installer Wizard that will help you through the process.

Network Video Recorders

The NVR or network video recorders are easier to install and use than the software solution. They are not as flexible but are an excellent solution when all you need to do is record the video.

Whether you use VMS or NVR to manage your IP cameras, you will need to enter the license code before using the system.

IP Camera System Installation Summary

IP camera systems include IP cameras and the video management and recording system. All the cameras attach to your network and use PoE for their power. These IP camera systems are much easier to install than the older CCTV camera systems. They also provide much more functionality.

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CCTV Surveillance System Instalation Project






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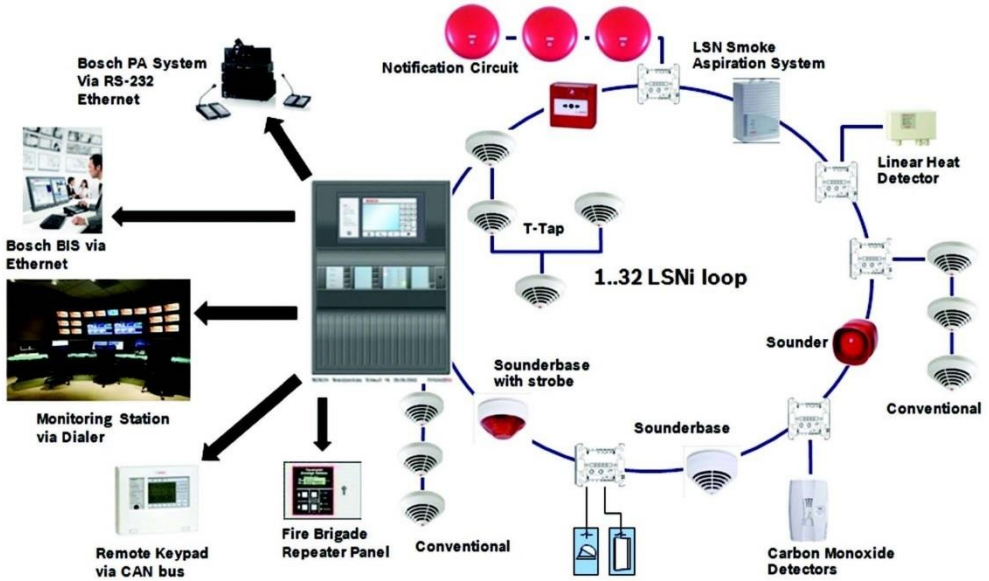
Fire Alarm System

Addressable & Conventional-EN

Networkable Fire Panels
Remote Key Pads
Graphical User Interface
Smoke Sensors
Heat Sensors
Chemical Sensors
Invisible Sensors
Indoor & Outdoor MCP
Indoor, Outdoor & Base Sounders
Flashers & Beacons
Duct Detectors
Linear Heat Detectors
Linear Smoke Detectors
Titanus Very Early Smoke Detection
Loop Isolators
Interfacing Modules
Remote Programming Software
& Many More



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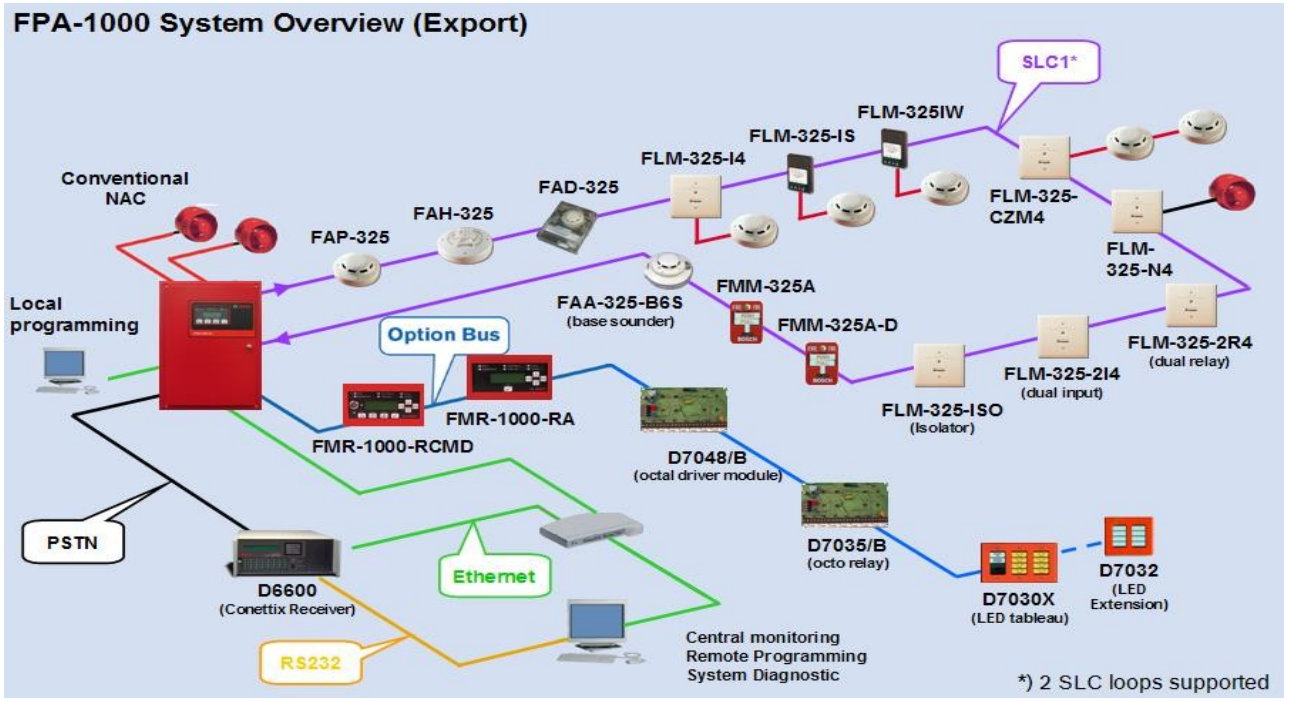
Fire Alarm System

Addressable UL Approved

Networkable FACP
Remote Key Pads
Smoke Sensors
Heat Sensors Duct Detectors
Manual Pull Stations
Sounders & Flashers
Isolators
Interfacing Modules
Remote Programming
Voice Evacuation System
& Many More



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BOSCH Video Base Fire Detection

AVIOTEC IP Starlight 8000

"See it before it spreads…."

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Video Wall Solutions

eyevis
PERFECT VISUAL SOLUTIONS

Make Your Own Wall Now ....

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Public Address System

Analogue & Digital

Plena Easy Line
Plena Matrix
Plena Voice Alarm
Paviro Series
Praesideo Series
Speakers. Line Arrays
Microphones

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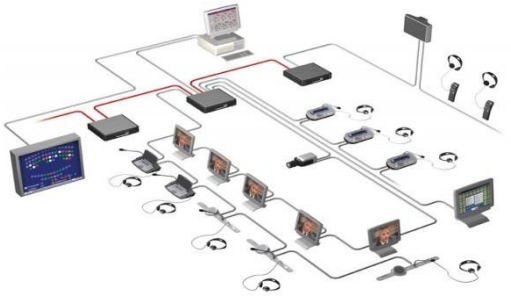
Audio Conference System

Wired & Wireless Solutions

DICENTIS
DCN
CCSD-1000
CCS-900 Ultro



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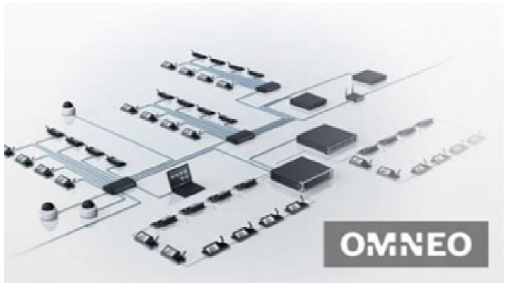
DCN Multimedia Conference System



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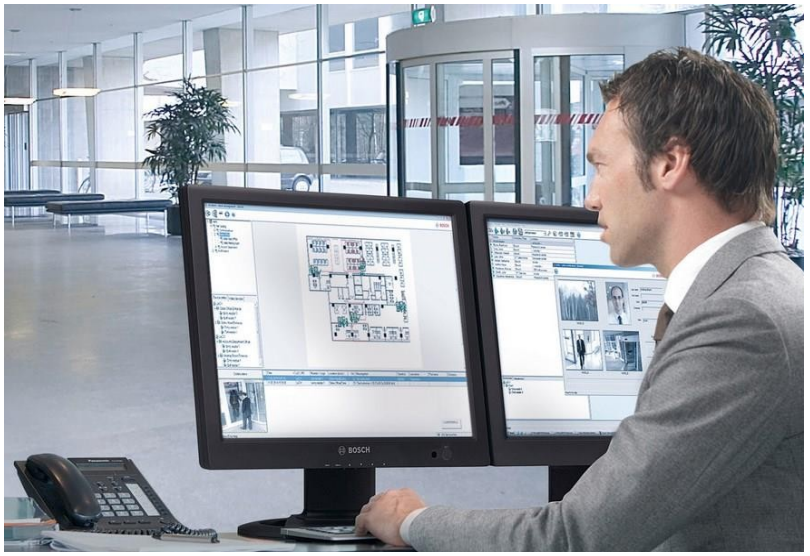
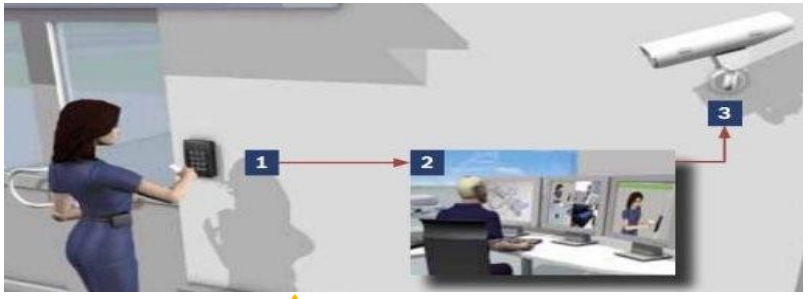
Access Control System

Enterprise & Standalone

Access Easy Controller
Access Profession Edition
Access Engine (BIS)

Controllers & PS
RFIDs, PINs & Biometrics
EPB & Door Strikes
and more….





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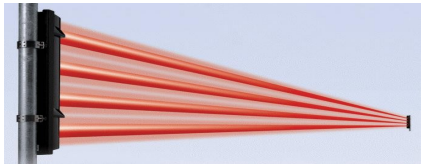
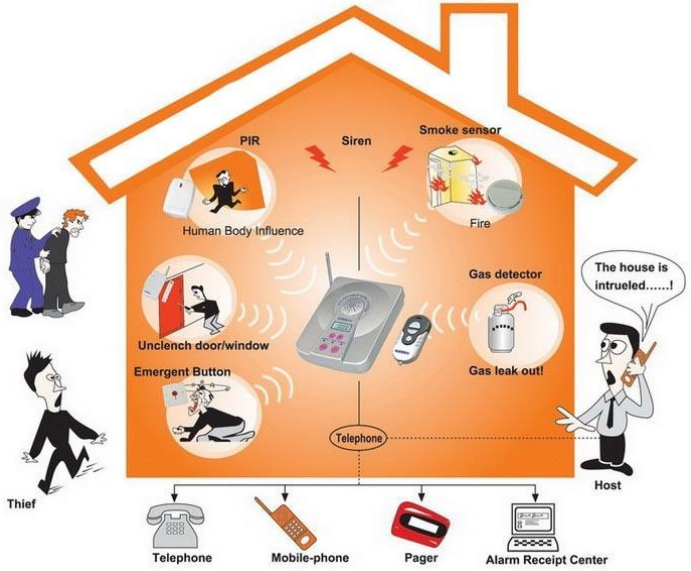
Intrusion Alarm System

Wired & Wireless Solutions

- Control Panels
- Touch Key Pads
- PIR / Motion Sensors
- Vibration Sensors
- Smoke & Heat Sensors
- Natural Gas Sensors
- Magnetic Contacts
- Beam Detectors
- Key Fobs
- Zone Extenders
- Notification Appliances
- Communications Modules





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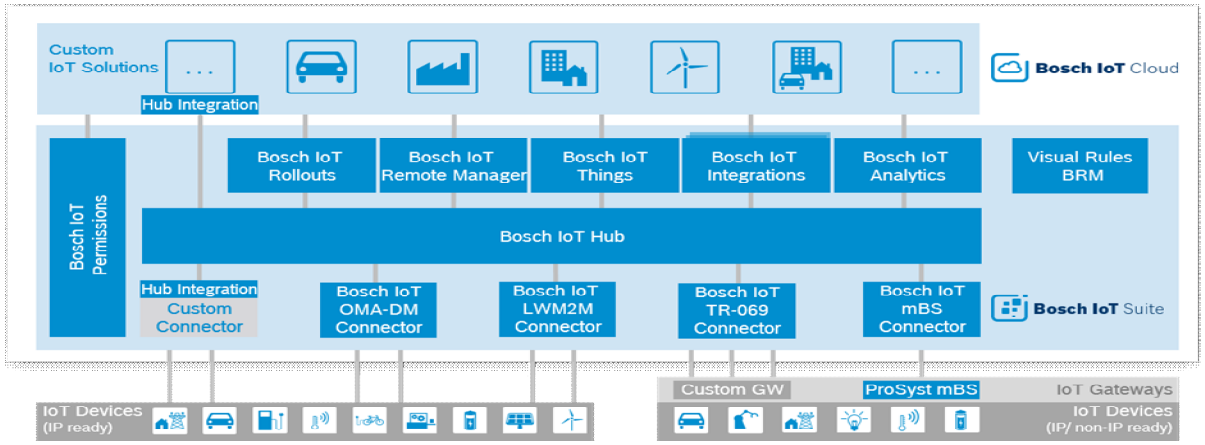
BOSCH IoT

Bosch's own cloud –the Bosch IOT Cloud –already hosts a wide array of IOT solutions. A pool of software and project know-how for IOT solutions in industry, logistics, (electro-)mobility, and energy
Systems expertise for connecting software, hardware, and enterprise systems in our customers' industry environments.

. Manufacturing
. Connected Buildings
. Energy Management
. Retail and Logistics
. Mobility
. Others



Bosch IoT Cloud

Bosch IoT Suite

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Nurse Call System

- Control Panels
- Call Points
- Tail Calling Leads
- Ceiling Pulls
- Over Door Lights
- Others ...

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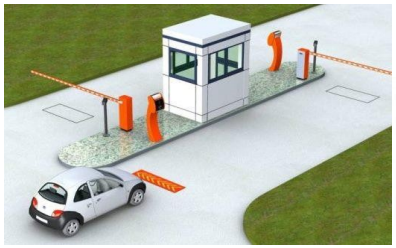
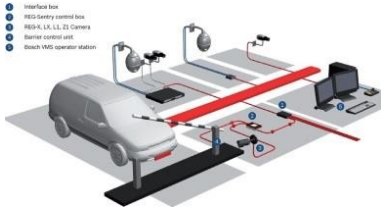
Entry , Exit & Parking Solutions

- Boom Barriers
- Long Range Readers
- E-Tags
- RFID Cards & Readers
- Integrated CCTV
- Time & Attendance





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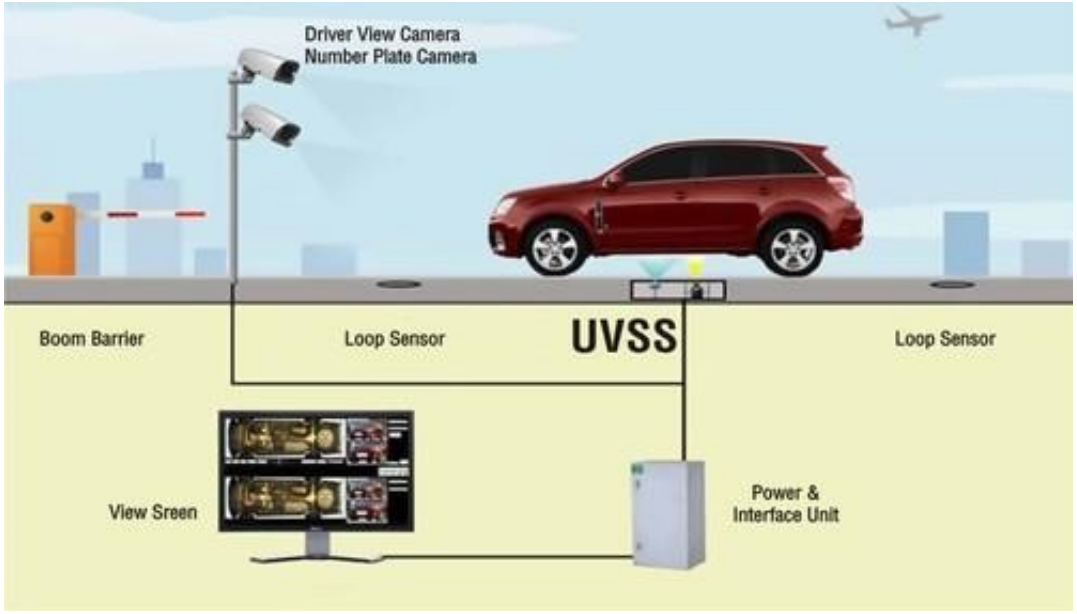
Under Vehicle Inspection System



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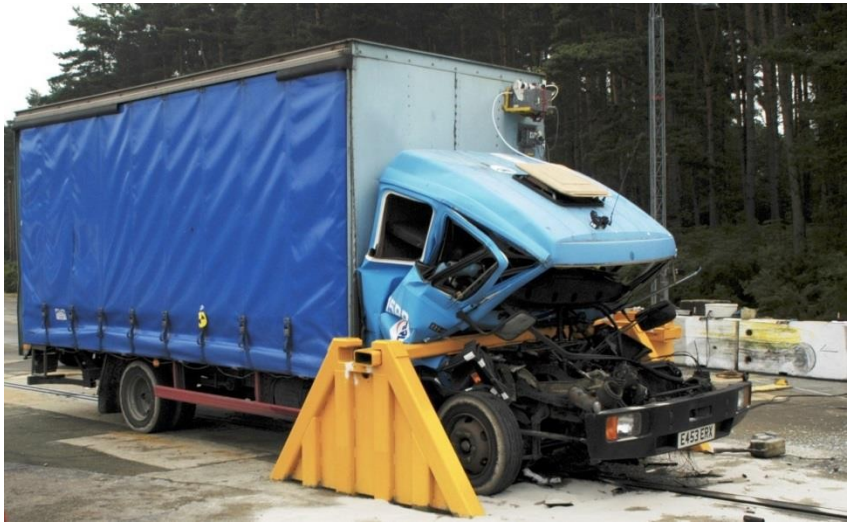
Barriers Blockers Bollards

Crash Rated



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Turnstiles & Speed Gates

Access Controlled

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Metal Detectors

GARRETT
METAL DETECTORS

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Accessories

EMERSON
Network Power

solo
detectortesters

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Clients & Projects

Government and Private

Commercial and Residential: School, College, Private companies, Hostels, Hotels, Restaurants, Café, Clinic, Hospitals, Medicals, Residential societies, Farm house Bank, Garments shops etc. Our 500 Plus clients in Mumbai and Thane.

Companies: Goorej, Lodha, Spark Solar, Rajco, HTT Machines Tools, Vision Infotech, Hi Tech, Web Infotech, Central Hospital, Tharwani Infrastructure, JSW etc.

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