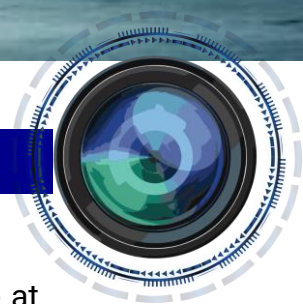




Truly Make in India Brand – About Us:



Make in India brand for multiple products in electronic security portfolio. Until now most of the projects use different popular MNC brand or cheap imports, we at **IndiNatus** determined to change that, we worked hard to create an Indian brand that can deliver smart and cost effective solutions for Video Surveillance requirements in all different verticals.

We aim to manufacture effective and affordable security and surveillance solutions. Our company specializes in video surveillance technology, as well as designing and manufacturing a full line of innovative CCTV and video surveillance products. Based in Delhi, the **IndiNatus** India manufacturing system is performed by a well-qualified and dedicated team of engineers. Our promoter has 15 years of experience in the video surveillance industry who has worked with top brands on key positions. Our products offer advanced technology, face recognition analytics, panoramic, WDR Pro, early warning, to help detect and prevent crime while reducing security guard and other expenses. We pursue high-quality products and develop various industry solutions, ranging from neighborhood, traffic system, education, -financial system, to water resource engineering.

We partner with organizations from a wide range of areas-Education, ITMS, Safe City, Banking, Hotel & Hospitality, Retail, IT & Telecom, Road & Transport, Railways, Govt Vertical, etc. All our products are certified and compliant with industry standards, this ensures we deliver solutions that secure our customers' most valued assets while providing intelligence to effectively and efficiently estimate risks and opportunities to plan for the future India.

Our focus is to develop a reliable service platform to our partners and promise our customers a safe smart life with the mission of "Ensuring Safety". Through our expertise, insight and technology, the **IndiNatus** network empowers protectors who make our world advance.



Our Approach

Problem precaution is better than providing a solution later. Our IT security experts look for clues that indicate any possible security slips to take quick action against them before it happens. We alert you about situations that may leave you open to a violation of security, such as damage to boundary barriers or enclosures. With monitoring plans to suit your requirements includes full 24/7 video surveillance services, our systems use the most up-to-date technology and abilities.

Our Mission-

Our mission is to connect our customers around the world with innovative technologies, exceptional products, and high-quality services.

Our Vision-

Our vision is to positively influence communities by delivering superior solutions and leverage the latest technology to deliver a service that would help construction project managers secure sites.

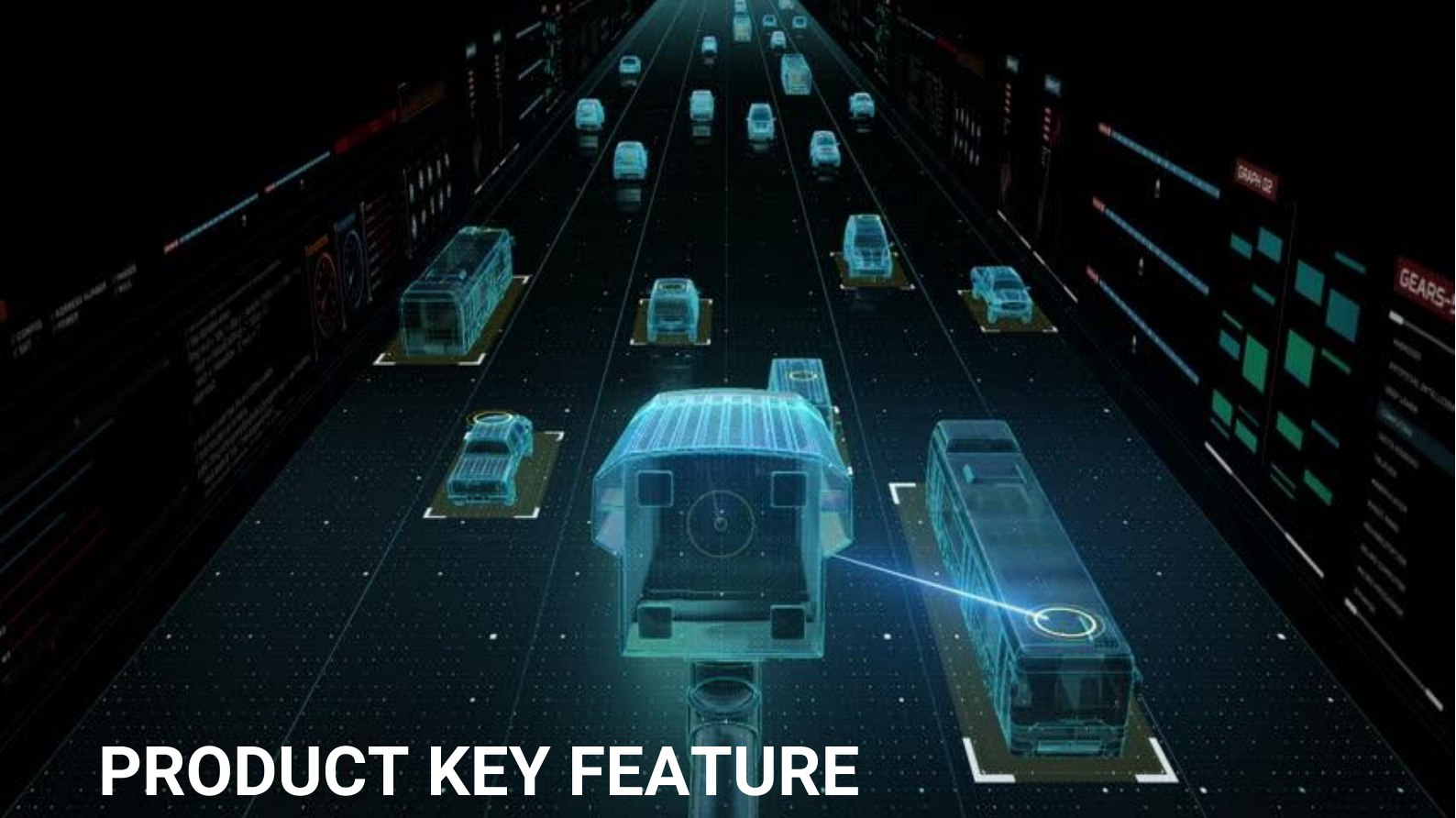
The fuel to our growth is driven by our passion and a strong commitment to our core values:

- Customer First
- Disciplined Execution
- Embrace Impossible Challenges
- Continuous Learning
- Serving Society



Quality Commitment

We at IndiNatus, are committed to deliver solutions with the highest standards of quality that integrate security and execute projects in true partnership vision to surpass customer's expectations by steadily improving the effectiveness of the Quality Management System.



PRODUCT KEY FEATURE

Early Warning

For traditional IP camera, it can only make a record of what happened, but IndiNatus invented AEW which brought revolution to the traditional technology to increase customers' security level. AEW means auto-tracking early warning with flashing light, audio voice and laser tracking to prevent intrusion. This technology was firstly used in PTZ, later we apply it to EW bullet products and other lower price products. To increase the accuracy of alarm, we recently layout another technology, to increase accuracy by 80%. Now we have a full solution for AEW, which not only make you secure but also convenient.

Human Classification

The human classification and tracking in a video plays major roll in security systems. This paper proposes an approach to detect and track the persons in a video. The processing time to detect the person is reduced by performing the classification operation on down-sampled video. After detecting the person, the original size of the video is reconstructed using our advance technology. The performance analysis is carried out by comparing with the state-of-the-art-algorithms. The experimental results show that the proposed method is well suited for detecting and tracking the person in lower processing time.

Vehicle Classification Panoramic

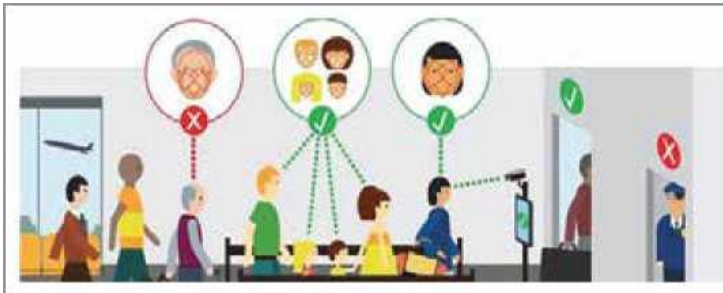
IndiNatus panoramic PTZ, with hybrid 16MP and 360° rotation offers both a full command overview and the ability to alarm before some bad events and incidents happen. Advanced technologies of IndiNatus panoramic PTZ have the following three advantages:

- The camera incorporates eight 2MP lens, use special conical video stich technology, not only offering a 360°/180° panoramic view but also making the image with better 3 performance with less blind area. Lowest illumination 0.0008lux and 24hours full colorful image.

Face Recognition

IndiNatus face recognition system, with multiple methods and various solution, achieves the best image and high accuracy, assisting people to deal with more complex situation and making more convenient to solve the emergency. It has 3 different methods to suit different conditions. With IndiNatus face recognition system, for the different occasion, our professional technicians will deploy different system. In the one hand, we will make sure the system is capable to fulfil your request, and on the other hand we will offer the economical solution for our customer.

IndiNatus FR system see more. With AI technology, the camera could achieve more intelligence function, and make the deep learning come true. We are developing more function for the FR system, not limited to faces, we want to see more and get more information. Better Image for the FR system. Also, IndiNatus will equip with the better function to make sure the image will be better and achieve better accuracy. Access control solution: with the multiple interface of our camera, we can link to the access control devices. Easier to manage the visitor's access.



Super Brightstar-

Statistics show that 80% of crimes happen at night. To ensure a safe night, IndiNatus put forward Bright Star concept and apply the technology to IP cameras, which can capture a colorful and bright picture in the dark scene. Through continuous development, the technology becomes more and more robust and advanced, up to now the technology can help to capture the moving objects in almost totally dark scene with illumination as low as 0.0004Lux, which is revolutionary and edge-cutting in this industry.



Network Light Series

Lite line as primary products line is cost-effective and easy-to-install that can be applied to retail stores, warehouses, parking lots and parks, etc. Built-in mic, SD card slot and reset button, Lite series provide value-added interfaces in hardware; supporting two most used VCA functions,

tripwire and perimeter, Lite series provide entry-level intelligent experience.

Now fixed cameras with resolution from 2MP to 8MP and motorized cameras with 2MP and 5MP are available for customers. In addition to Brightstar and super Brightstar cameras, newly released Color Maker cameras offer a 24 hours full color image

Key Features

- Brightstar/Super Brightstar/Color Maker
- Built-in Mic/SD Card Slot/Reset Button
- Supports Tripwire and Perimeter
- ONVIF Profile S/T/G
- H.265+



Brightstar Series

Pro Line, as the prime product line of IndiNatus, features Brightstar/Super Brightstar, face capture, advanced intelligent analytics, multi-interface, plugin free and can be applied to small and medium business and various industry projects. 2MP/4MP/5MP/8MP bullet camera, dome camera and turret camera, with fixed or motorized lens, are all available in pro line.



Key Features

- Built-in Mic/SD Card Slot/Reset Button
- Supports Tripwire and Perimeter
- ONVIF Profile S/T/G
- H.265+
- Brightstar/Super Brightstar/Color Maker



Supreme Series

Supreme-Line is the high-end product line, where 2MP/5MP bullet and dome camera with fixed/varifocal lens and 12MP fisheye camera are available. Supreme line, equipped with Super Supreme" technology, early warning function as well as video analytics, is widely used in medium and large business projects.

Key Features

- EW
- Human/Vehicle Classification
- Built-in Mic & Speaker
- Super Supreme 3.0
- H.265+
- Video Analysis
- Mic in/Audio in



Thermal Camera

IndiNatus thermal camera adopts uncooled vanadium oxide focal plane detector, which has high temperature measurement accuracy and good imaging effect. Combined with dual lens, thermal and optical lens, and IndiNatus's advanced algorithm, IndiNatus thermal camera can achieve functions like temperature measurement, fire detection, e-Warning and multi-VCA functions and be widely used in airport, station, border, harbor and other occasions with high security requirements.

Key Features

- Thermal & Optical Bi-Spectrum
- Built-in Mic & Speaker
- Supports e-Warning
- Video Analysis
- Audio/Alarm I/O



PTZ

The full range of IndiNatus PTZ equipped with Brightstar™ technology provides high picture quality under low illumination. Thanks to the redesigned PTZ mechanism, PTZ responds quickly up to 240°/sec, and the preset position is more precise. The Speed Series PTZ supports AEW and is based on the AI depth learning algorithm for precise classification of human/vehicle shapes. When the alarm is triggered, the device links the voice, white light and laser to achieve the warning function.

Key Features

- Defog
- Super Brightstar
- AEW
- Human/Vehicle Classification
- Built-in Mic & Speaker
- Video Analysis



NVR Lite Series

IndiNatus Lite series NVR provide most cost-efficient choice for video surveillance system, main market of which is distribution market. Where IP camera at 2MP resolution are popular, Lite series products will be the best choice. Lite series NVR also face to distribution market. Models in Lite series provide a most cost-efficient true 4K system, they are the most suitable products for regions, where IP camera at 5MP or 8MP resolution are popular. Lite series NVR face to small business market. Powerful ability of this series could cover most of requirements in small projects. The price of the Lite series pays for the performance of the Bright series.

Key Features

- H.265+
- Lite 1*8MP decoding
- Lite 4*8MP decoding
- e-Warning
- P2P connection



NVR Bright & Supreme Series-

Bright & Supreme series face to SMB project. It could be used as an item, which could control the tender due to their powerful index of interfaces and bandwidth. IndiNatus NVR provide 25% more access than regular products, which enables plug and play, automatically adds IPC, quickly plots without configuration and supports one button to enable H.256+ to save 50% of storage space than H.265. In addition, it automatically matches the screen's optimal resolution, and supports up to 64 channels of simultaneous preview and 16 channels of 1080p video playback.

Key Features

- H.265+
- Pro 4*8MP decoding
- E-Warning
- Plug and play
- P2P connection



XVR Series

IndiNatus 5 in 1 XVR support 5 signal types input: TVI, CVI, AHD, CVBS and IP. They could support resolution up to 4K, not only the IP cameras, but also HD analog cameras. Besides VCA functions are also supported by these models, that will provide more value for analog system. IndiNatus XVR could be widely used in modification current analog system to HD analog system or hybrid system in a low cost.

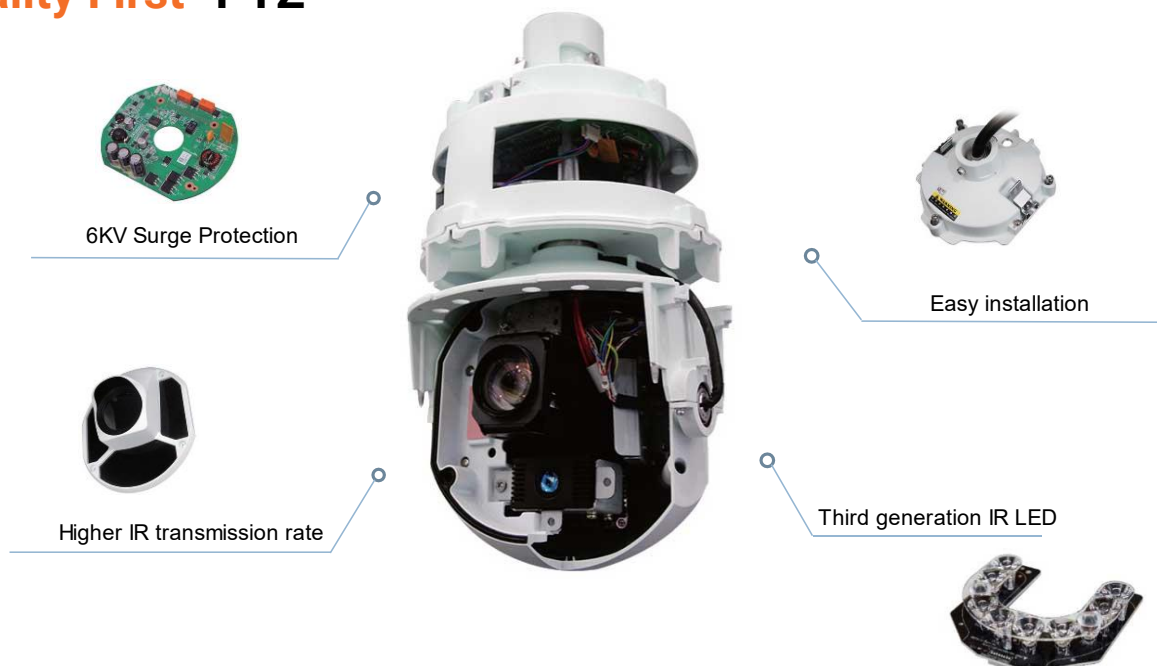


Key Features

- 5 in 1
- 4K
- Integrated with VCA
- H.265+ compression
- 2*10TB HDD



Quality First- PTZ



Quality First- NVR



- > Industrial-level PCB Board
Exquisite circuit layout and advanced welding technology

- > Fanless Design
Reducing noise and power consumption



- > Unique Touch Panel
Water and dust proof, longer working life

Innovative Technology - NVR Features

- . Plug & Play
- . HDD Support Up to 10TB Each
- . RAID
- . Inbuilt PoE
- . Ethernet
- . Audio
- . Alarm
- . Dual Power
- . Hot Swap HDD
- . Edge Analytics Support
- . Higher Bandwidth Input / Output

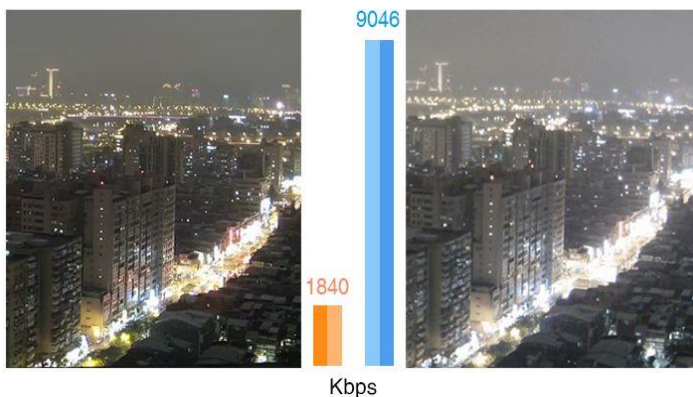


Innovative Technology - Smart Features

H.265 HEVC

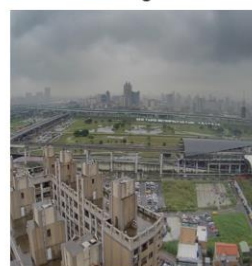
vs

H.264

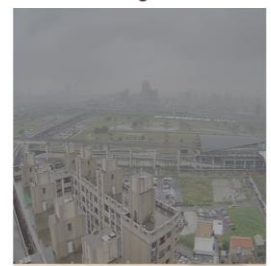


Better Quality for Less Bandwidth

Defog ON



Defog OFF



Visibility

4K

HLC



1080P

4K



Vertical Solutions

Solutions/Applications

- . Retails
- . Banking
- . Road Transport
- . PPOG
- . Enterprises & Commercial
- . Airports
- . Hotels & Hospitality
- . Manufacturing
- . Police & Judiciary
- . Education
- . Smart City & Safe City
- . Telecom & BPO
- . Tunnel
- . Stadiums, Theater & Concert Hall
- . Railways & Metro
- . Harbor & Shipyards
- . ITMS
- . Real Estate & Many More....

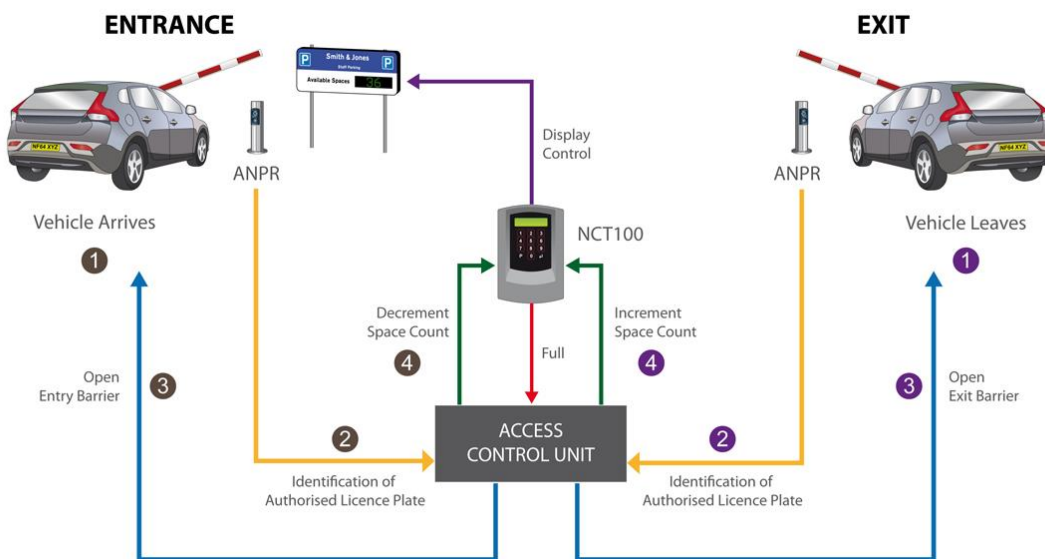


ANPR

Automatic Number Plate Recognition (ANPR)

How it works

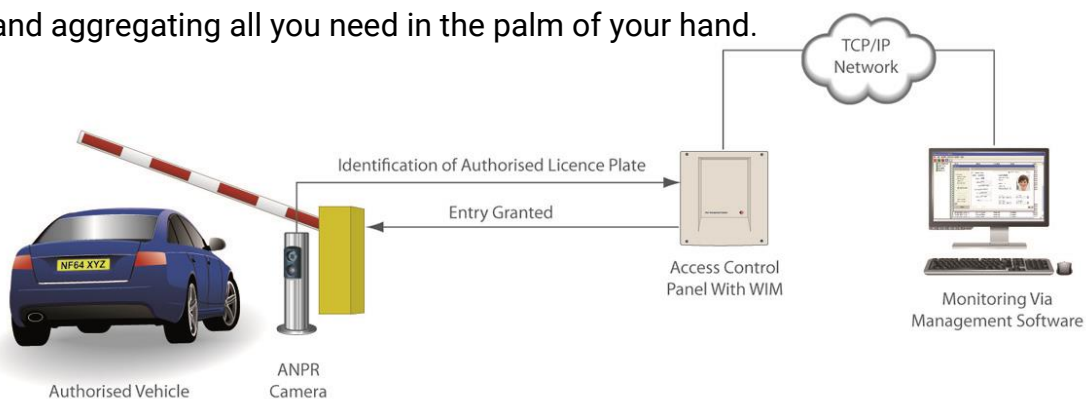
- As a vehicle passes an ANPR camera, its registration number is read and instantly checked against database records of vehicles of interest.
- Police officers can stop a vehicle, speak to the occupants and, where necessary, make arrests.
- ANPR has proved to be important in the detection of many offences, including locating, for example, people wanted for arrest or missing, witnesses, stolen vehicles, uninsured vehicles and uncovering cases of major crime.



IndiNatus ANPR Solution

Fuelled by deep learning algorithm, IndiNatus ANPR Solution can not only automatically recognize vehicle plates in real time with high accuracy, but also identify more vehicle features, like vehicle type, colour, etc., generating powerful security and traffic insights to improve safety and mobility.

IndiNatus ANPR solution also provides a comprehensive and easy-to-use management system which supports smart search for investigation, helping make your traffic management more efficient and aggregating all you need in the palm of your hand.



Comprehensive Management & Easy Integration



Intuitive and Easy-to-use
User Interface



Real-time Display of
Vehicle Information



Real-time Display of
Vehicle Information



Black/White List
Management



LPR Smart Search



3rd Integration: CGI/APIs

Control Your Traffic with IndiNatus ANPR Solution

Access Control-

IndiNatus ANPR system supports Black/White List Management and can automatically recognize license plates, compare to a predefined list, then take real-time actions, such as controlling the barrier or generating an alert.

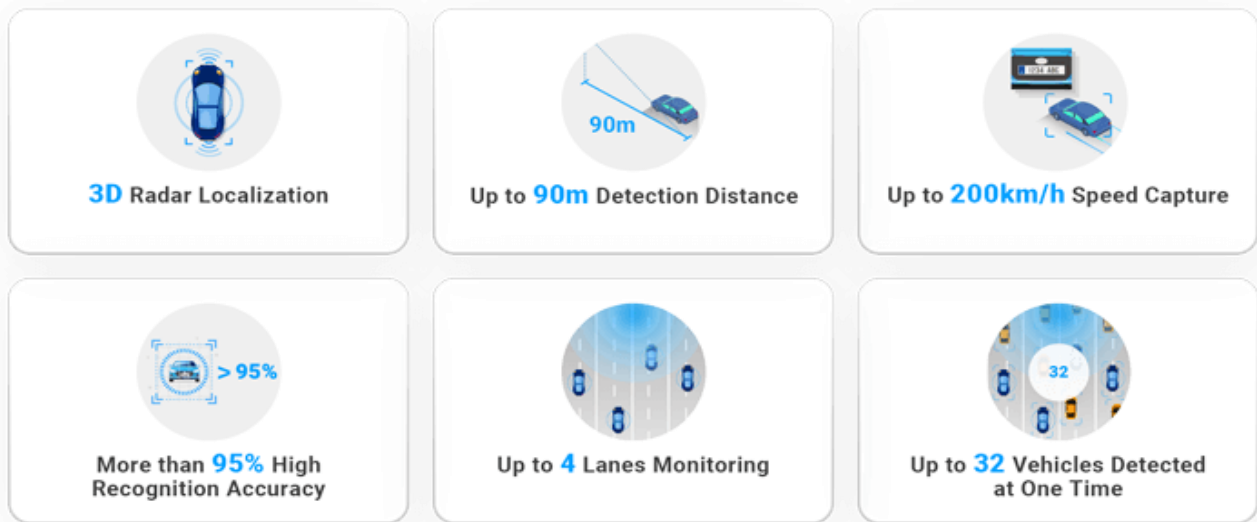


Applications:

Parking Management, Logistics Centers, Toll Stations, etc.

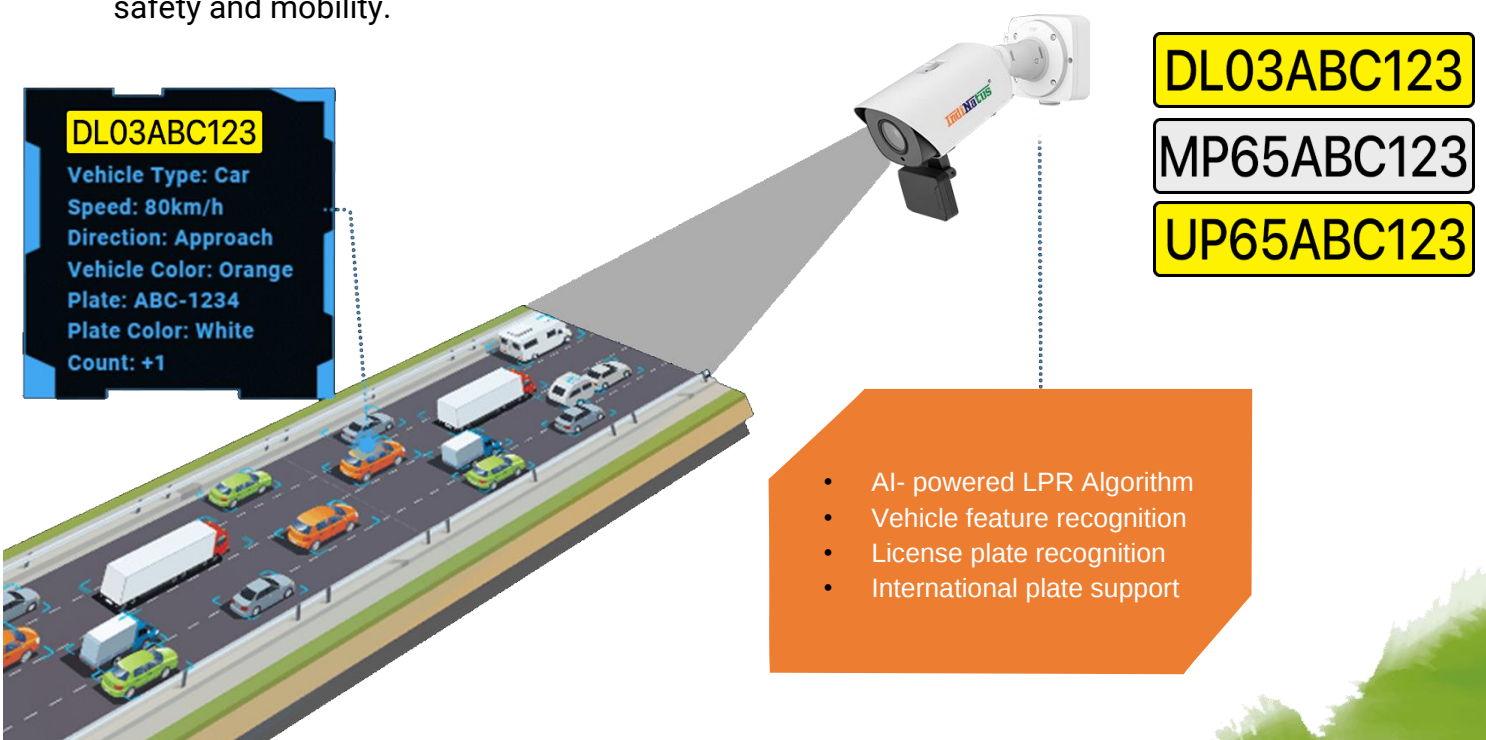
Advanced 3D Radar Technology

Radar is a detection technology that uses radio waves to determine the velocity, range, or angle of objects. The IndiNatus 3D radar can locate the vehicle position and direction with high accuracy. Verified by 3D radar and AI-powered LPR algorithm, the Radar AI LPR 4X/12X Pro Bullet Plus Network Camera can precisely provide real-time information of detection distance, speed capture and flow control, greatly optimizing traffic monitoring, and ensuring the safety of public transport.



Intelligent AI-powered LPR Algorithm

Based on AI algorithm, the LPR function provides value-added data via a pre-trained deep learning model and continuously training to algorithms automatically. The IndiNatus Radar AI LPR 4X/12X Pro Bullet Plus Network Camera can not only recognize vehicle plates in real time, but also identify more vehicle features, like vehicle type, colour, etc., generating reliable traffic insights to improve safety and mobility.



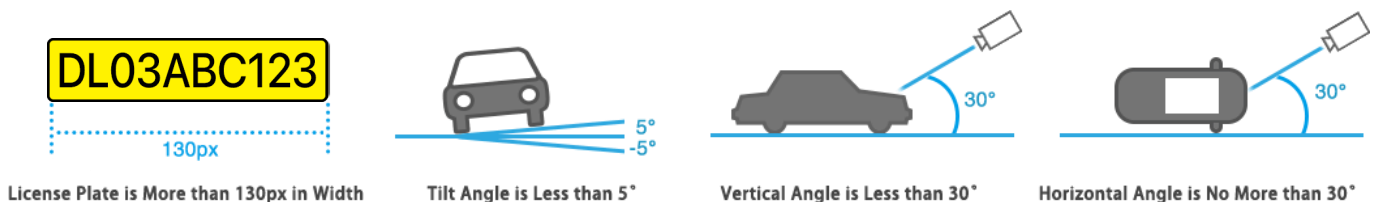
Superior Image Quality

IndiNatus applies Sony's high sensitive 1/2" sensor whose capacity is approximately twice than that of the conventional ones. Its high sensitivity is designed for capturing saturated and sharp images even in pitch dark environment. The IndiNatus Radar AI LPR 4X/12X Pro Bullet Plus Network Camera is coupled with the 100fps high frame rate and 4K video viewing experience that deliver ultra-high-definition images with no latency despite of the high-speed movement.

Optimal Size and Orientation

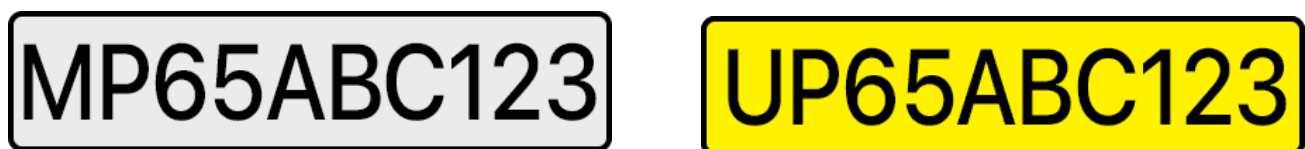
They are components of algorithms that adjust for the angular skew of the license plate image to accurately sample, correct, and proportionally recalculate to an optimal size.

Note: The license plate should be more than 130 pixels in width and no more than 5° tilt; The recognition of vertical and horizontal angle should be less than 30° and no more than 30° respectively.



Character Segmentation

It is a algorithm that locates the separate alpha numeric characters on a license plate, which is able to figure out the letters and numbers for different countries and regions.



Character Segmentation

It is a algorithm that locates the separate alpha numeric characters on a license plate, which is able to figure out the letters.

Automatic Number Plate Recognition (ANPR)

- We use ANPR (Automatic Number Plate Recognition) technology to help detect, deter and disrupt criminal activity at a local, force, regional and national level. This includes travelling criminals (those using the road network to avoid being caught), organised crime groups and terrorists.
- ANPR provides lines of enquiry and evidence in the investigation of crime and is used by forces throughout England, Wales, Scotland and Northern Ireland.
- Automatic Number Plate Recognition (ANPR) is a highly accurate system capable of reading vehicle number plates without human intervention.

Solutions & Adoptable Areas

- Corporates Offices
- Big Manufacturing plants
- Airports & Railway Stations
- IT parks
- Educational Institutes
- Hospitals
- Research, Ministry & Defence centre's
- Commercial complexes & Malls
- Residential & Gated Communities
- Ware Houses
- Star Hotels
- Spiritual canter's
- Smart cities.
- Govt Offices
- Tech Parks



Corporates Offices



Railways



Educational Institutes



Hospitals



Commercial Complexes & Malls



Govt. Offices



Ware House



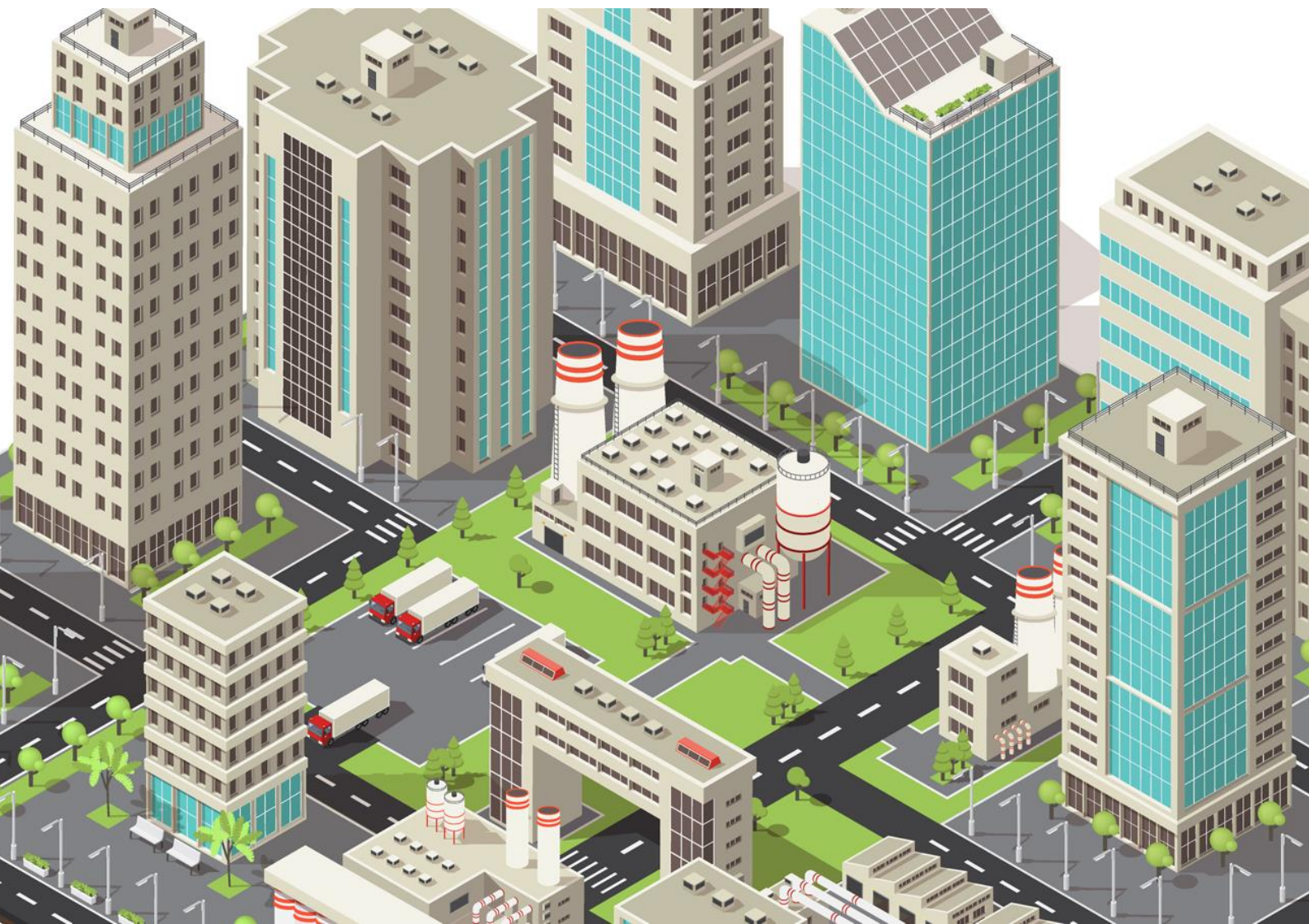
Residential & Gated Communities



Ministry & Défense center's



Smart cities.



Parking Management Solutions

- ANPR precludes the need to purchase, distribute and manage vehicle tags, reducing initial investment and running costs.
- Vehicles can be authorized in advance without the need for the vehicle to be present or for tags to be posted.
- License plates are managed in the same way as standard access control credentials without the need to refer to the DVLC or other external bodies. There are no service costs or fees required.
- License plates can be managed on the same system as other access control credentials, avoiding the need to invest in separate vehicle and people access control systems
- Automatic vehicle counting prevents overcrowding of limited space parking facilities
- Available space signs provide instant feedback to car park users of the number of free spaces.

Benefits

Pain Points of Clients:

Long Waiting & Slow Movement at Entry Gate If tickets issued at Entry is lost, need to show original documents of Vehicle and other proofs to release the vehicle at Exit Gate following with Penalty fee. Possibility of favours for known people which impacts on Revenue. If there were any untoward incidences happens in the area, traceability of Vehicle entered in the Parking Area is hard to find, it needs to run through CCTV footage of entire area for which Period of footage goes on guess.

Pain Points of Clients:

- Staff Vehicles movement may not be recorded.
- Vehicles LP details are not available, hence log data of vehicle stayed and history cannot be obtained.
- Backlisted Vehicles: It is hard to control at the Gates.
- Transparency in Parking fee is not available for the guests.

Advantages of Automatic Licence Plate Reading @ Parking Management:

- Multiple white list Registrations which pass through both gates seamlessly, in turn Minimize Vehicle congestion at the gates.
- Black List Facility to Enforce Govt Guidelines & Client Parking Policies.
- Highly configurable Parking Fee & Reporting Dash Boards
- Configurable Display at Exit in LED display Parking Duration, Charges & Vehicle Details
- Validation facility to Operator at Exit by displaying Entry Details & Image captured
- Fuzzy check is available at Exit Gate in Operator console, in case if there is any mismatch in Camera reading between Entry Gate and Exit Gate
- >96% Licence plate Read Automatic, Remaining will be captured Image of licence Plate
- No Physical ticket at entry will minimize Exit issues
- Complete control of Boom Gate by camera's at Entry & Exit.

- 96% Automatic Boom Gate Open, 4% Manual with Special Permission with Approval
- Local Staff cannot extend any favours
- 100% Revenue is assured By Recording in to Secured Software & Cloud.
- Employees Configuration under White list in Malls & Corporate Offices.
- Provision of Configuring Multiple Parking Lots Management
- Optional Vehicle Theft Control App Integration by locking Exit boom & Alert to Operator
- Highly flexible software can accommodate easy upgrades & New Features at later stage.
- Facility to Work with Either Local Internet or 3G/4G mobile Network
- CE & IP65 Certified Camera to work in Harsh Out door Environment
- Multi-Level User Privileges & Permission to Access Data in software

Key Features with ANPR Based Parking Solutions

- High Level Security to the Premises being captured 100% vehicle movement.
- Paperless & Eco friendly
- WHITE LIST Facility Increase the comfort of STAFF, Residents & VIP vehicles.
- BLACK LIST Facility support 100% Enforcement of policies by management & Government.
- No Leakages, 100% Revenue Assured for all Vehicles.
- Parking Data Can Be extracted within no time & Back up can be expanded to any duration.
- Real time monitoring of vehicle moment and revenue can be seen locally and remotely.
- Can Operate Over Local Internet or 3G/4G mobile network.
- Easy Configuration of Parking Fee, Entry/Exit Gates & Reports.
- Hassle Free & Easy flow of vehicles at Entry/Exit gates.

License Plate Recognition Camera Specifications

Advanced 3D Radar Technology

The **IndiNatus** 3D radar can locate the vehicle position and direction with accuracy. Verified by AI-powered LPR algorithm, the **IndiNatus** 3D technology can precisely identify detection distance, speed capture control, greatly optimizing track monitoring, and ensuring the safety of public transport.

AI-powered LPR Algorithm

Based on AI algorithm, the LPR function provides value-added data via a high pre-trained deep learning model, which can not only recognize vehicle radar plates in real time with high accuracy, but also identify more vehicle features, and low like vehicle type, color, etc., generating powerful security and trace insights

3 in 1 Super WDR Pro - 140dB

IndiNatus upgraded 3 in 1 Super **WDR** Pro outputs three frames each line, which is able to bring more details especially moving subjects. What's more, it greatly improves image quality for reducing smear and noisy points. The ratio that the brightest light signal values divided by the darkest light signal values is up to **140dB**.

100fps

With the industry leading frame rate reaching **100fps**, the cameras can easily catch images with no latency despite of the high-speed movement, which is the best choice for the remanding requirements especially for intelligent cameras.

Overview

IndiNatus Central Management System (CMS) is an intelligent surveillance solution for users to control up to 256 devices, to remote preview and playback more conveniently. With high-efficient management performance, IndiNatus CMS software offers users a superior administration experience in such centralized system. Featured with friendly UI design, the intelligent video management system CMS allows users of all levels to setup and deploy solutions as easy as ABC. Moreover, E-map function provides users a smarter way to show the devices spatial distribution.

UHD Video Display

Equipped with solid 4K decoding and display capabilities, IndiNatus 4K H.265 PoE NVR 7000 Series can synchronously decode up to 4-CH 4K UHD and 16-CH 1080P with the finest details to guarantee real-time video monitoring.



Flexible Storage Options

Flexible storage options including HDD and NAS in IndiNatus 4K H.265 PoE NVR 7000 Series offer you greater flexibility to address the needs for versatile storage.

Overview

- A central management system for IndiNatus cameras and IndiNatus NVR
- User-friendly UI design
- Add device via IP/Domain, P2P (just for NVR) and **IndiNatus** DDNS
- Support alarm pop-up window
- Support multiple monitors
- Support 1/4/8/9/16/36/64 channels playing synchronously
- Support the custom live view layout
- Support alarm screen for displaying the alarm channel



- Support full screen for single or multiple channels
- Support H.265/H.264 video compression
- Support dual stream
- Support PTZ control and digital zoom
- Support SD card and HDD recording files playback
- Support motion detection, alarm recording and image capture functions
- Support VCA (Video Content Analysis)
- Support Crowd Management Solution

Banking Solution

Your Best Partner in Banking Business

Introduction

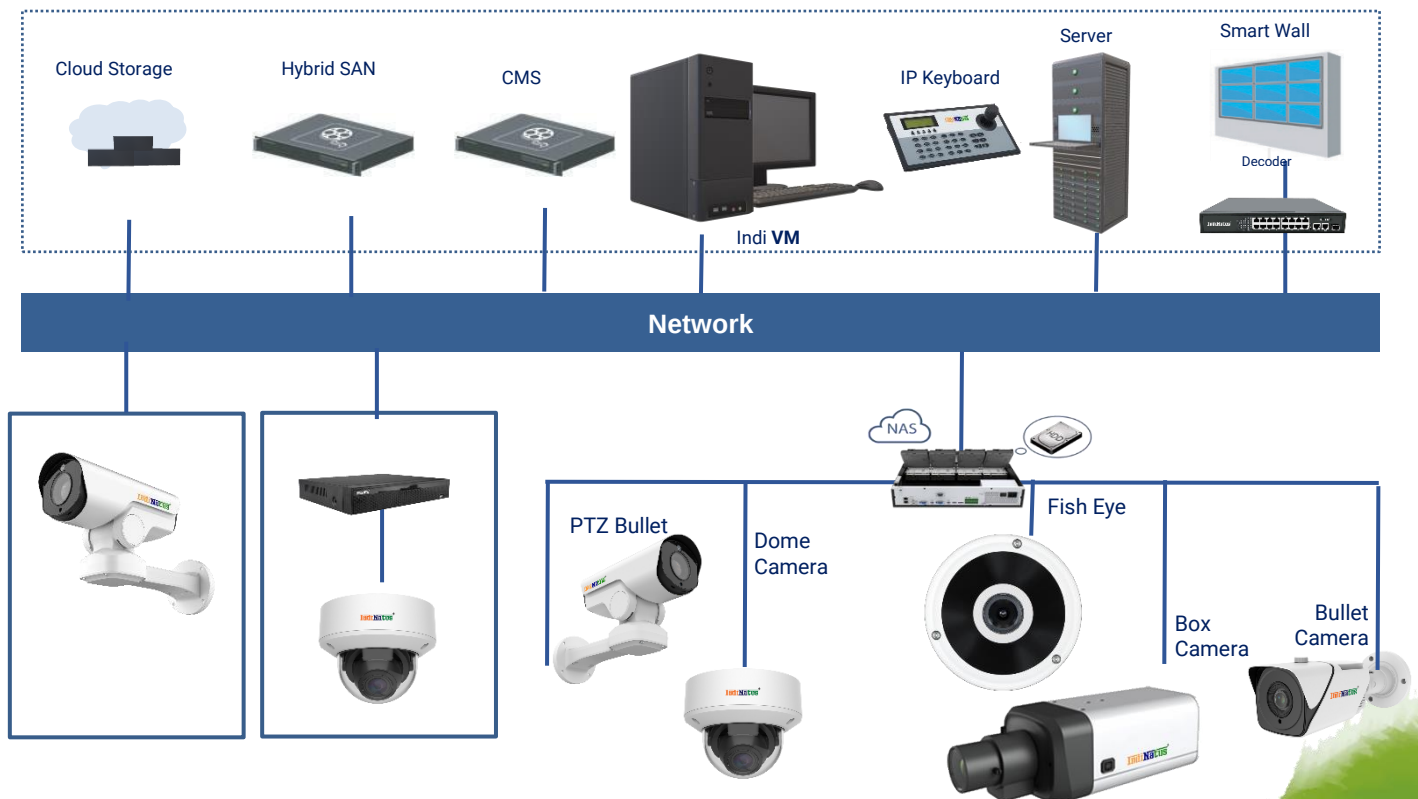
Security and business management are the main challenges in banking. The very nature of the financial industry makes robbery, theft, embezzlement, and unauthorized access all major threats in security management. In addition, as banks need to run a variety of banking services, the operational efficiency affecting customer flow and banking business is crucial. Keeping assets and employees safe, enhancing banking efficiency, and having smoother customer flow are the main problems that must be solved.



Banking Solution



Solution Architecture



Security Management

Unauthorized Access Prevention

Using access control with face recognition technology as a second layer of protection can remarkably prevent crises and loss from unauthorized access.



ATM Suspicious Activity Detection

A suspicious proximity to the person operating the ATM or loitering in the vicinity of the ATM may indicate potential criminal intention. Intelligent cameras with built-in analytics can detect these abnormal behaviours and send notifications to the security center for timely handling.

Burglary Prevention

Various video analytics including loitering, line crossing, and area entry detection can be used to enhance security by notifying security personnel of potential security risks and intrusion attempts.



Eye-level Discreet Monitoring

Covert cameras hidden inside the height strip at the door can discreetly capture the eye-level view of a person's face at the entrance even when they are wearing a cap or their face is tilted downwards, providing a usable image for investigations.

Operation Management

Customer Service Assurance

Identify potential disputes between customers and employees using automatic conversation analysis and video-based emotion detection. Notify the management instantly and provide the related reports for employee evaluation purposes.



In-Branch Marketing and Communication

Offer efficient drive-through and ATM services at the bank by installing the ACTi multi-functional intercom as a voice access point. In an emergency, customers can also communicate with employees via the intercom for timely handling.



Two-Way Communication

Various video analytics including loitering, line crossing, and area entry detection can be used to enhance security by notifying security personnel of potential security risks and intrusion attempts.

Blacklist and Whitelist Control

Recognize license plates of vehicles entering the parking lot and drive-through lanes using ALPR technology and automatically perform a predefined action. For instance, open the gate for VIP customers or alert the security should any blacklisted cars attempt to enter the parking lot.



Solution

Widest Range of Optical Zoom Cameras

- Up to 36x optical zoom with quick auto focus.
- Up to 12-megapixel resolution.
- Weatherproof, vandal proof and vibration proof.
- Advanced compression technology for bandwidth optimization and storage space reduction.
- Automatically manage zoom by the event manager.
- Extreme WDR and Extreme Low Light Sensitivity image enhancement technologies for high-quality evidence.
- Wide selection of mounting accessories for installation on walls, ceilings, poles and other locations.



Focus areas:

Security for staff, customers and assets-

IndiNatus video surveillance solutions for banking prevent crime and help investigations – our high resolution, wide dynamic range cameras provide detailed and clear coverage of all areas within your premises. What sets our solutions apart, though, is the combination of cutting-edge hardware, intelligent video analytics, and advanced video management software. This provides a comprehensive range of security functions that can cover multiple branches from a central control station. Transaction areas can be tightly monitored for fraud and theft, entry to secure areas and rooms can be controlled, automatic alerts can warn of suspicious behaviour, and much more.



Widest Range of Optical Zoom Cameras

- Up to 36x optical zoom with quick auto focus
- Up to 12-megapixel resolution
- Weatherproof, vandal proof and vibration proof
- Advanced compression technology for bandwidth optimization and storage space reduction
- Automatically manage zoom by the event manager
- Extreme WDR and Extreme Low Light Sensitivity image enhancement technologies for high-quality evidence
- Wide selection of mounting accessories for installation on walls, ceilings, poles and other locations



Network Video Recorders (NVR)

- Recording of up to 256 video channels on each unit.
- High definition live view with customizable layouts.
- Optimal reliability with redundancy system.
- Flexible storage expendable to external arrays (iSCSI, e-SATA).
- Various case types, including rack-mountable models.



Factory Security Solutions

Requirement Analysis

People	Vehicle	Key Scene
• Internal personnel identification and access • Prevent illegal personnel from entering • Daily attendance	• Vehicle access control • Under vehicle scanning to prevent terrorism or stealing by vehicle chassis.	• Perimeter security • Focus on region monitoring • Fire protection • PIR intrusion detection

Manufacturing facilities and warehouses are stocked up with raw materials, WIP or finished goods at all times and therefore require round the clock monitoring and protection. IndiNatus offers solutions designed especially for industrial setups that cater to all their security needs including perimeter protection; monitoring equipment and production processes; tracking vehicles and people entering and leaving the premises; access control and more.

Challenges

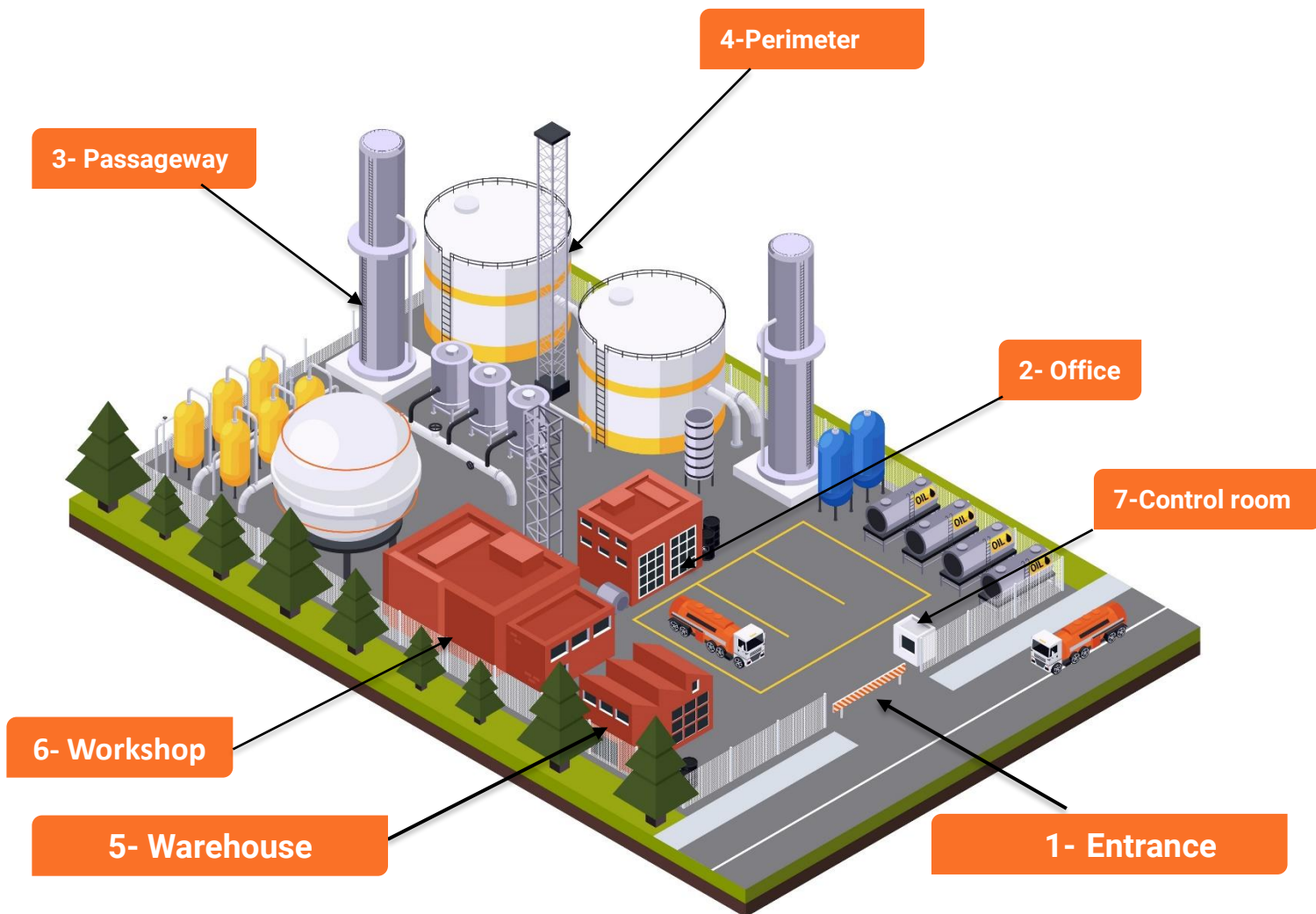
- Unauthorized entry of vehicles and persons
- Staff work hour monitoring for effective management
- Process monitoring and control for improved safety
- Restrictions at critical areas
- Detect suspicious staff behaviour to reduce accidents
- Prevent possible terrorist attacks and vandalism
- CCTV equipment for harsh environments
- Monitoring of moving vehicles and persons on the field
- M Emergency command control room to monitor & manage activities

Solution

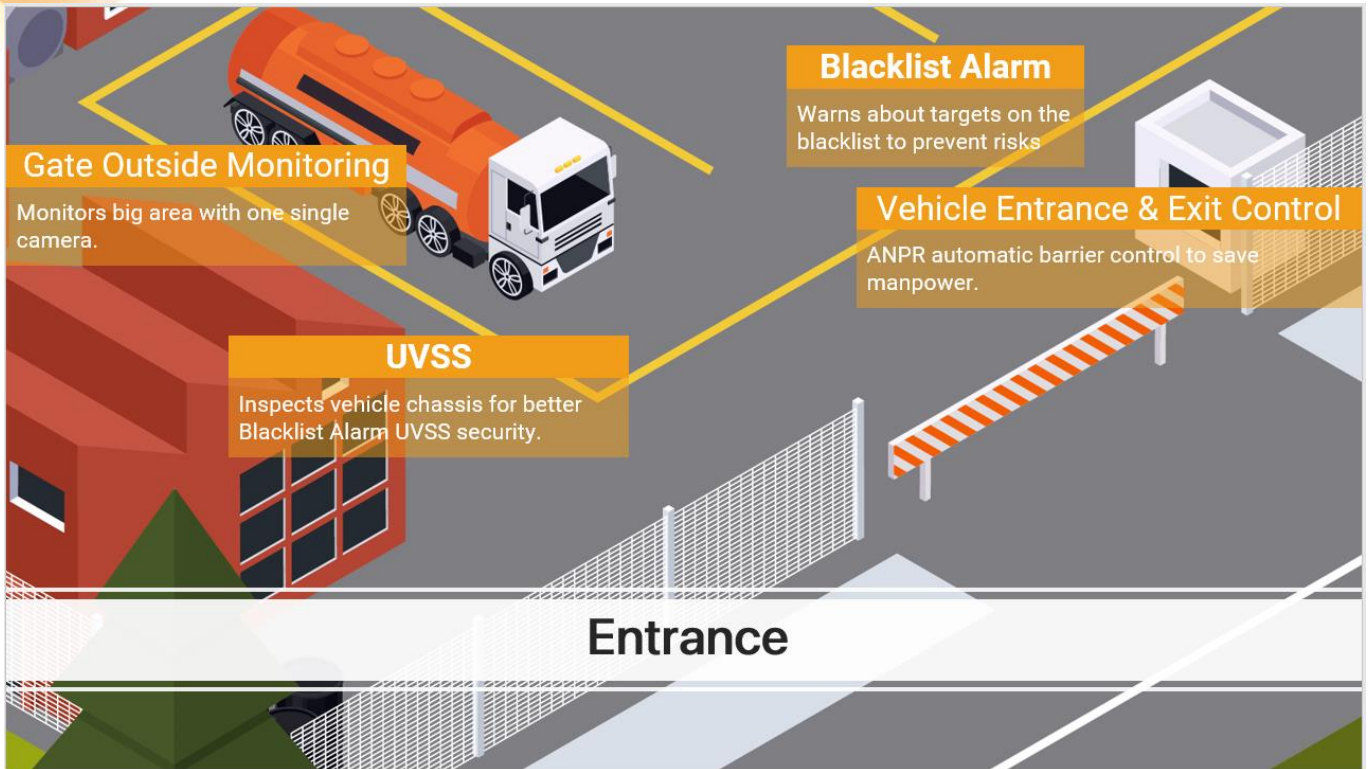
- ANPR system to avoid unauthorized entry of vehicles.
- PTZ cameras for perimeter protection and monitoring unauthorized intrusion.
- High-resolution cameras to monitor manufacturing processes.
- Smart analytics (tripwire, intrusion and auto-tracking) to find suspicious behavior.
- Access control system for strict & flexible authority management.
- Explosion-proof & water-proof with IP67/IP68 ratings.
- Mobile DVRs/ NVRs to monitor moving vehicles.

- Command control system for real-time monitoring of process.

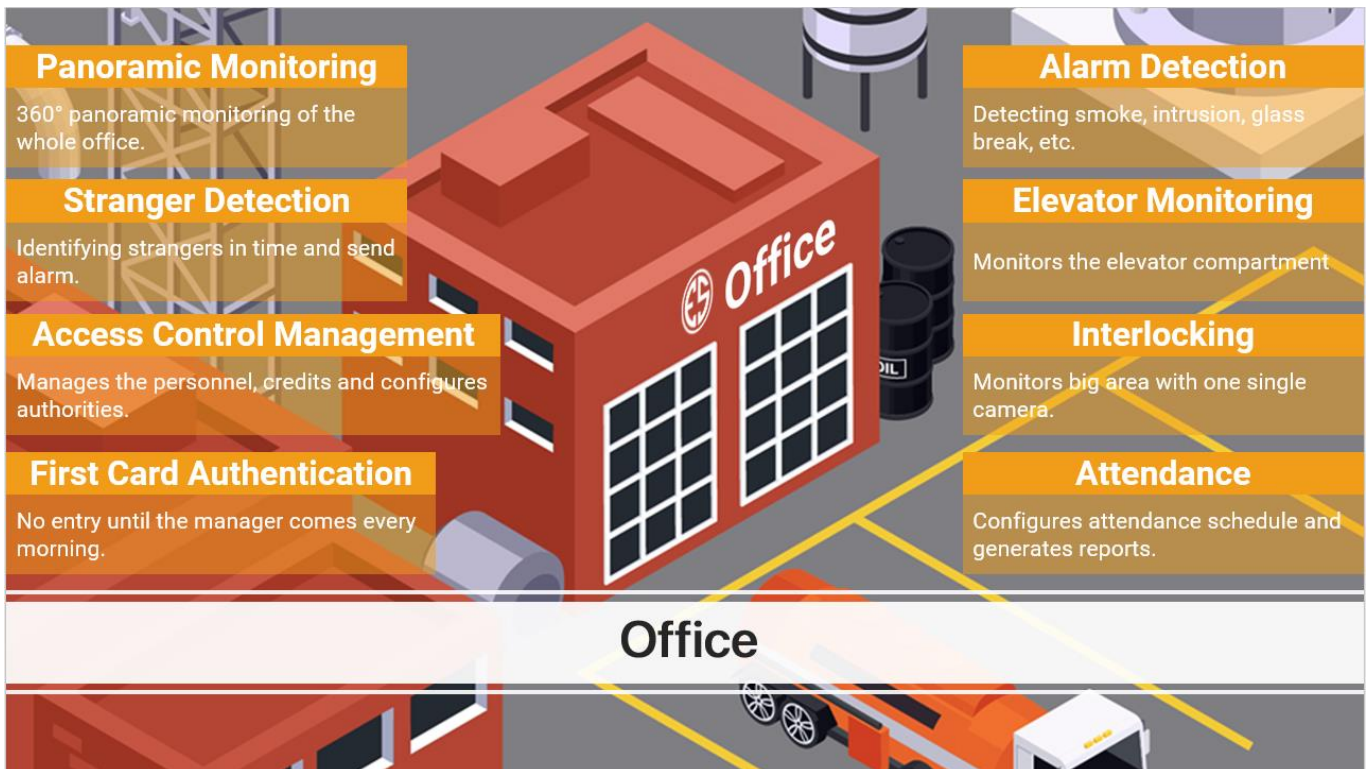
Application Scenarios



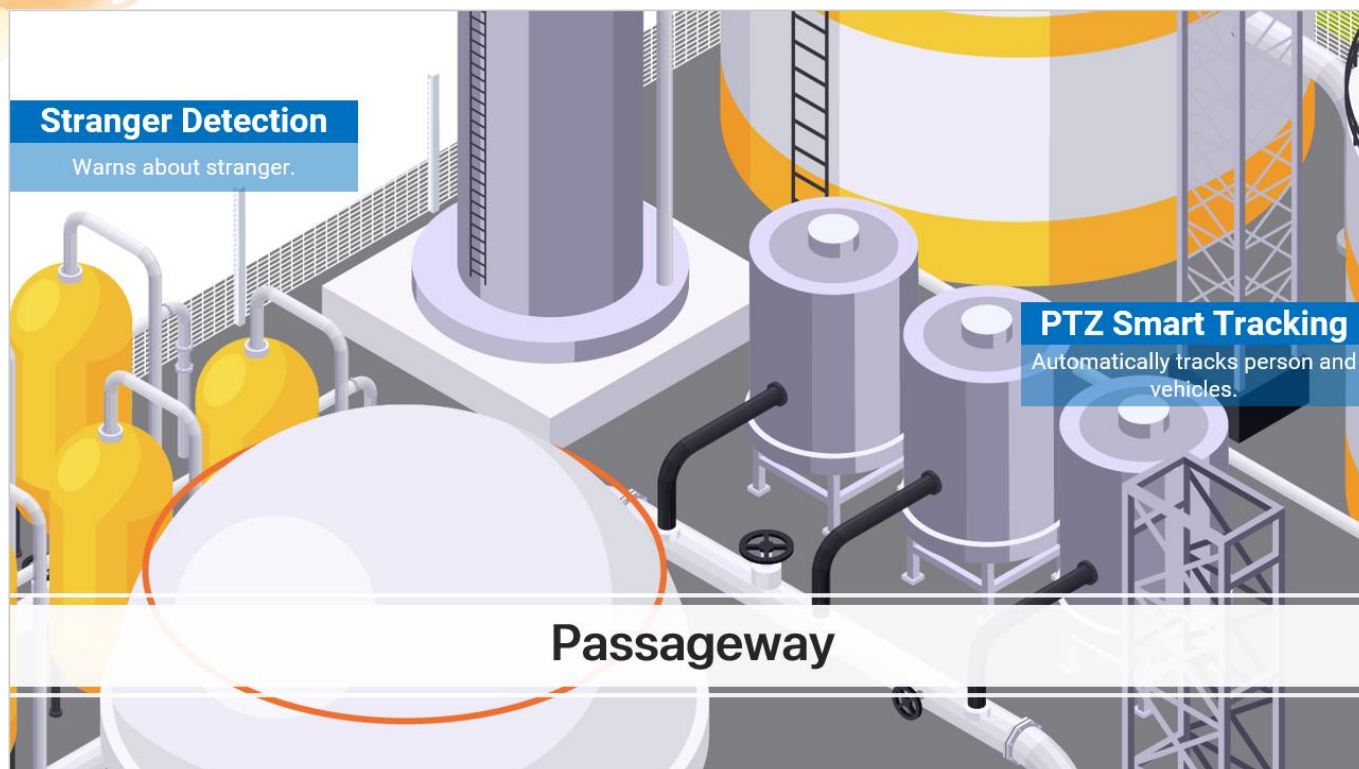
Entrance



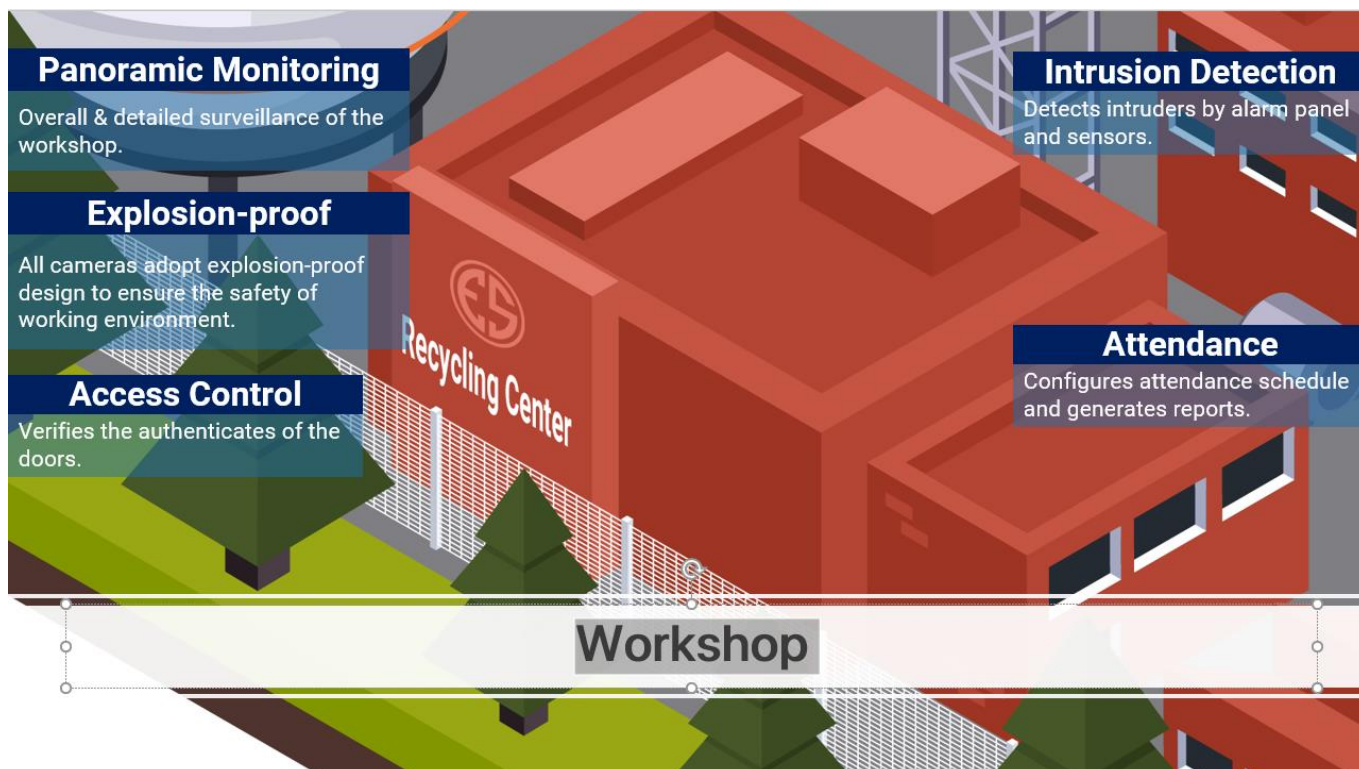
Office



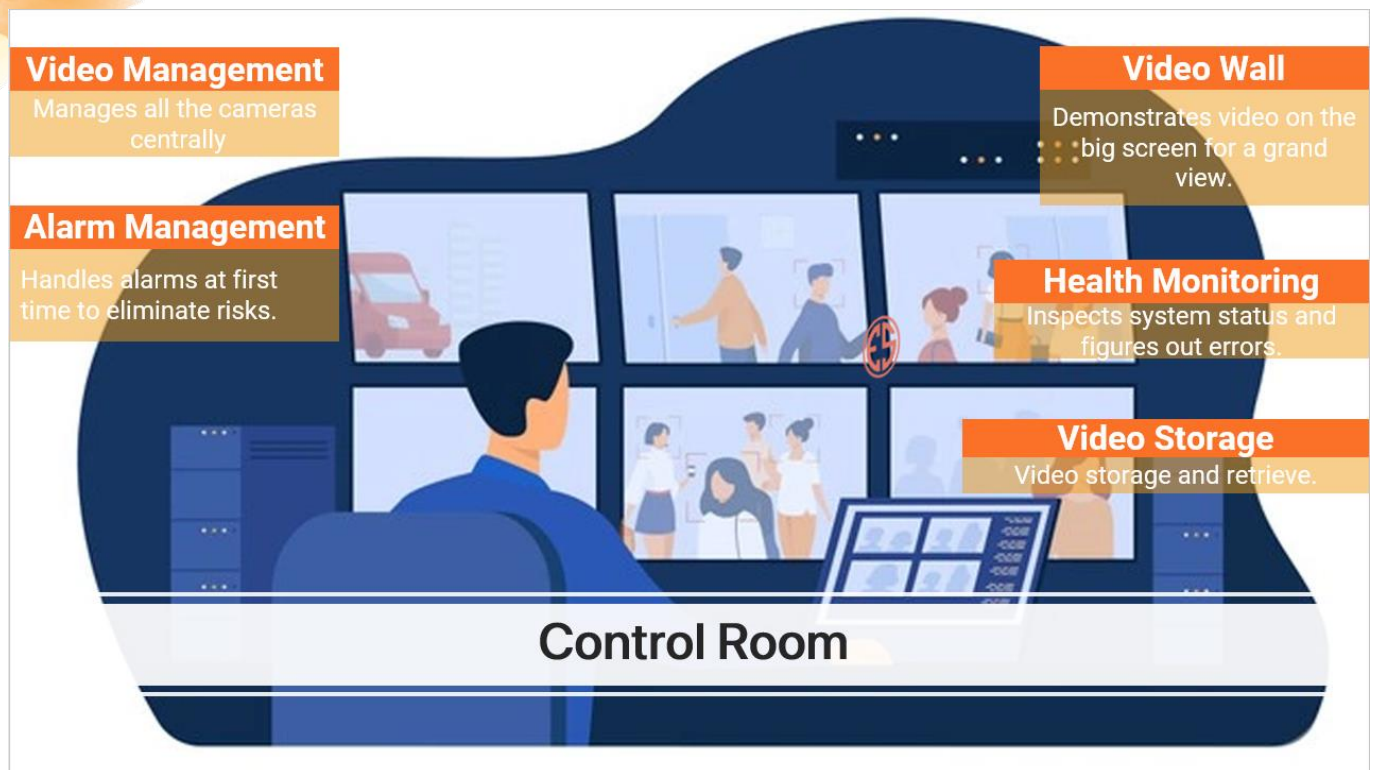
Passageway



Workshop



Control Room



System Advantages

Solving the pain points and achieving requirements.

Intelligence HD IP CCTV Surveillance

With advanced technology to achieve 24-hour video surveillance of high quality, the system can guard against the robbery and theft events.

Effective Access Control and Time Attendance

With facial recognition check identification quickly and conveniently. Flexible attendance calculation in software is suitable for different working time.

CMS Management Platform

The unified management platform achieves functions of live view, playback and devices management on the digital signage, moreover it allows future upgrading. The system can improve the factory security level and quality of services

Digital India investment opportunities

- Building broadband infrastructure.
- Creating identity solutions, payment systems, web or mobile based delivery structures etc.
- Cybersecurity.
- Healthcare - telemedicine and remote health.
- Smart Cities – 100 smart cities program already announced.
- Make in India - Electronics Manufacturing - For India to transition to a digital future, it is imperative that a greater proportion of its consumption is serviced locally.

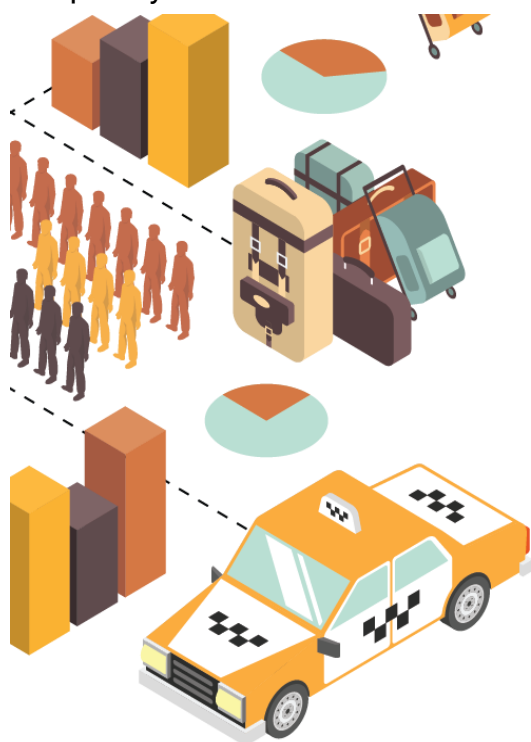
Solutions for Hotels and Food Catering

At a wide range of hotel restaurants, casinos, entertainment venues, and outdoor grounds, around the clock video surveillance is essential. These facilities and grounds are often converted to accommodate conferences, concerts, and sporting events, requiring varying levels of protection for attendees.

IndiNatus high-performance IP cameras take on the revolving challenges of the hospitality industry by reducing the total number of cameras required for install, resulting in improved video quality, situational awareness, and forensic recording.



Hotels, casinos, and resorts face the challenge of balancing security needs while preserving an appropriate and welcoming environment for their guests. In addition to protecting visitors, staff, and facilities, video surveillance in the hospitality industry is also utilized for people counting, access control, video analytics, and traffic management. The Total Video Solution from IndiNatus is increasingly a part of the answer for such hospitality needs.



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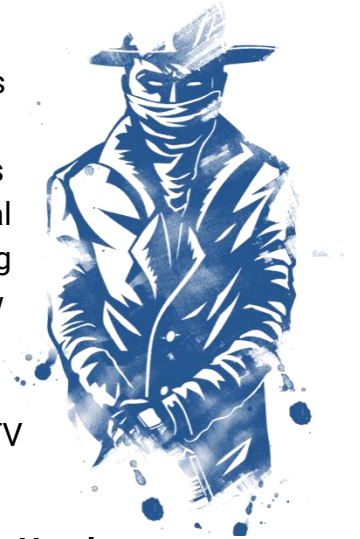
CCTV Systems for Restaurants, Hotels

As a restaurateur, you have to keep many plates spinning at once. You're overseeing the food, the staff, the environment and most importantly, the safety of everyone in your establishment. CCTV systems for restaurants are a great way to keep all of those things in check. By installing a security system, you'll have an eye on everything and everyone in your establishment.



Deterring Criminals

Having security cameras outside of your restaurant can keep criminals away. If they see the camera, they are less likely to commit the crime. Displaying cameras on the exterior and interior of your premises sends the message that you are prepared and will have footage of any criminal activity. If you don't have cameras set up, you run the risk of looking vulnerable and like an easy target. Security cameras also assist law enforcement. Police may ask for any recorded activity in or around your restaurant. You'll be able to solve a problem quicker with their assistance and with good quality recordings from your modern CCTV system.



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Keep an Eye on Your Staff

Ideally, you are hiring trustworthy and respectable people. But sometimes you never know what is going on when a restaurant authority isn't present. Research shows 75% of staff have stolen from their employers. And specifically in the restaurant business, employee theft costs up to £4+ billion per year. Staff members may steal by overpouring alcohol, undercharging for food and drink, extending break time, or just flat out stealing items. Putting cameras in the kitchen, service areas, and dining rooms of your restaurant lets your staff know that they are being watched. However, it is important to establish trust between you and your employees. Some staff members may feel that they are being watched too closely with cameras around. Be sure to find ways to communicate to your team that you trust them and are also trying to keep them safe.



The Customer Isn't Always Right

Having CCTV systems for restaurants is also important for identifying unsavoury behaviour among your customers. For instance, people who dine and dash may feel less inclined to do so if they see a security system – or to misbehave or be abusive. Or if you have a bar in your restaurant, a CCTV system can be especially helpful. As we all know, if people get over-served, conflicts can sometimes arise. Having a record of a skirmish or fight is helpful if law enforcement requests tape, or just so you can play back the footage to see who was involved.



Being in More Than One Place at Once

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Where to Setup

CCTV systems for restaurants, hotels are most effective when strategically placed. The following are recommendations for the best places to set up your cameras.

- In big areas like dining rooms or large private rooms.
- In the kitchen to see culinary practices and make sure your kitchen is in line with health codes.
- At all entrances and exits to get a clear image of everyone who comes in and out.
- Near offices, safes, cash registers and where luggage is stored.

CCTV Systems for Restaurants Boost Productivity

One of the major benefits of having cameras installed is that it improves overall restaurant productivity. If an employee knows that a camera is on him or her, they are more likely to put their nose to the grindstone and stop procrastinating. Cameras will also ease the workload of managers. They can take care of customers and tend to more pressing issues while knowing that security is being tightly monitored. Many who implement CCTV systems for restaurants say that that the value of the surveillance outweighs the cost of the system.

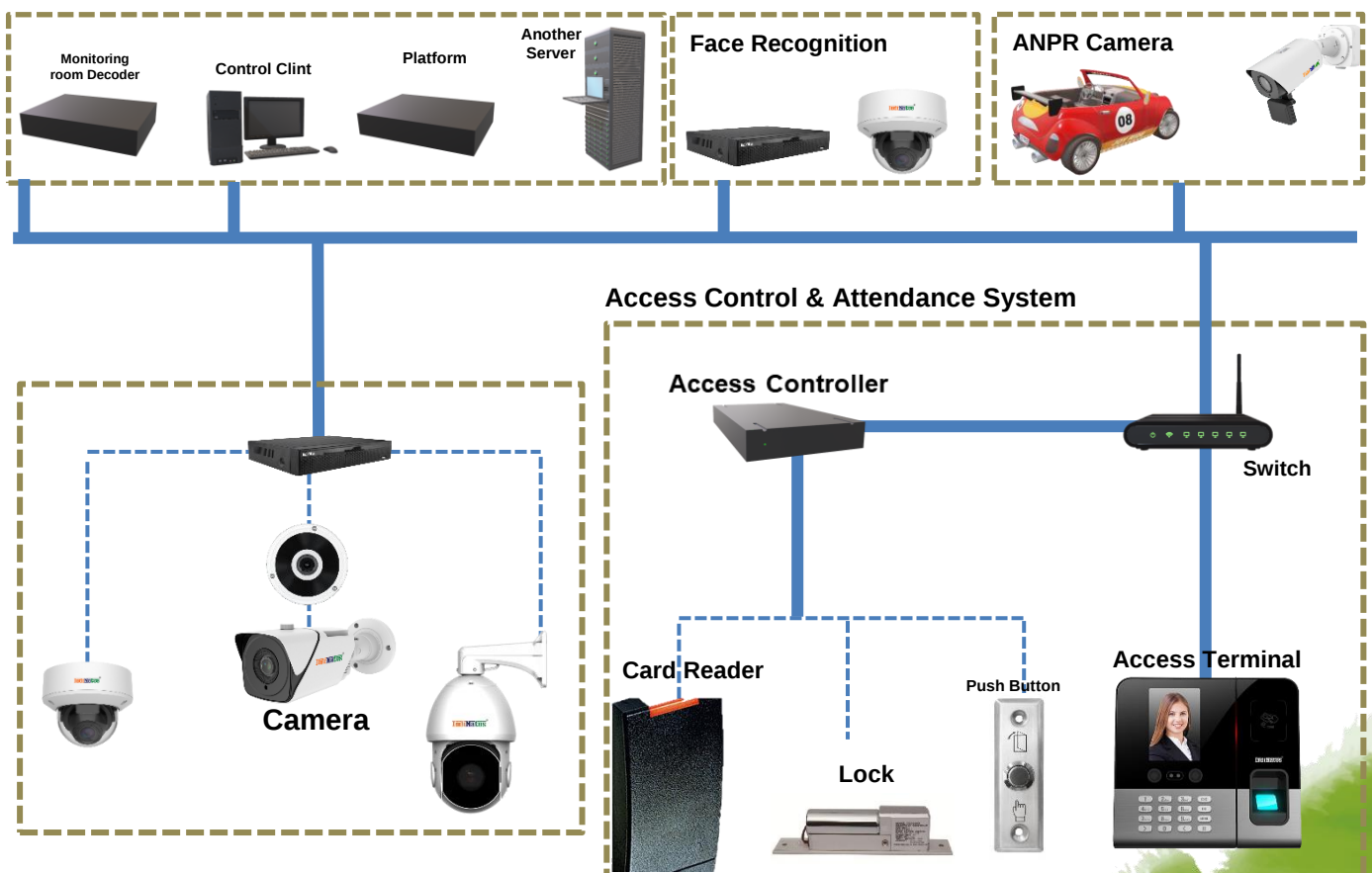
Upgrading Equipment

If you have an older security system in place but want a new one you can just upgrade what you have. Many CCTV companies can work with the equipment already in place and upgrade it. This way, you'll avoid doing an entire system overhaul. This will save you money and keep you up to date on the most cutting-edge surveillance technology.

Investing in Peace of Mind

Peak business hours, customers coming and going, and frequent employee turnover can make restaurants particularly vulnerable to criminal activity. Having a quality CCTV system installed keeps patrons and employees safe. And there's nothing like the feeling of knowing your restaurant is secure, especially when you're not there. Reach out to inquire about CCTV systems for restaurants. Once installed, you'll have peace of mind about the safety of your establishment. With confidence in your security system, you'll be able to focus on the most important things for your business: high-quality service, delicious food, a desirable profit and a reputation as an enjoyable and relaxed place to dine.

System Architecture



Applications Areas



Applications and Solutions

- Provide security, situational awareness, life safety.
- Deter criminal behavior and vandalism.
- Monitor both vehicular and pedestrian traffic with detail for facial and/or license plate identification.
- Protect guests, staff, and facilities.
- Improve staff productivity.
- Resolve security/staff and guest disputes/litigation.
- Ability to cover more with less (a single panoramic camera can replace multiple fixed or PTZ cameras by capturing the entire panoramic field of view with the ability to zoom into multiple regions of interest).
- Improved forensic analytics allow more efficient post-event investigations conducted by law enforcement and/or hotel security professionals.
- Monitor daily business activities.
- Forensic documentation to build cases.
- Prevent fraudulent claims.
- Quantifiable return-on-investment.

Easy Future-Proof Integration

- Megapixel technology provides better image quality
- IndiNatus camera firmware can be remotely updated to support new features and capabilities
- Easily upgrade existing system to HD

- Easily expand your system to meet growing needs
- Pre-tested and certified with IndiVMS plus over
- 100 VMS/NVR platforms beyond ONVIF/PSIA support.

Lower Total Cost of Ownership

- Fewer cameras, licenses, cables, installations, and required accessories.
- Equipment is compatible with existing infrastructure.
- Less maintenance.
- Lower operational costs.

The Education Solution

For campus security and protection & For School bus Surveillance

All educational campuses can be vulnerable to internal and external threats. INDINATUS is providing technology that deters threats and creates an environment that encourages positive behavior. INDINATUS security solutions can ensure the safety of students and staff on campus, as well as in transit. Entrances, Lobbies and Offices Hallways, Corridors and Classrooms Sporting Arenas/Stadiums Parking Lots School Buses Libraries Gyms and More INDINATUS provides campuses with technologies aimed at reducing theft, vandalism, and violence. Our broad portfolio of products provides school systems with technology options capable of providing campus-wide coverage combined with HD clarity. This allows school resource officers to properly monitor student activities and assets, the key to preventing and managing disaster situations. INDINATUS's industry-leading analytics and intelligent learning technology deliver proactive response capabilities to threats, disasters, and active shooter situations by creating district wide situational awareness



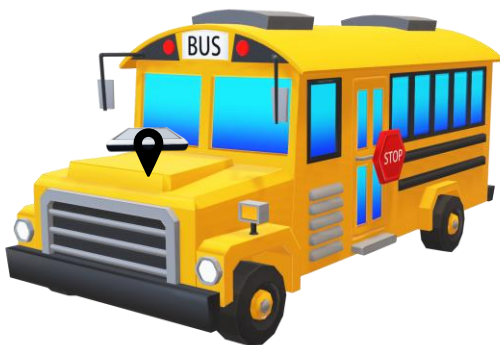
Common Campus Challenges

As students spend the majority of the day in schools, campus security is of paramount importance to every school administrator and every parent. In order to develop an effective security system, all the possible risks - including suspects breaking into campus, stealing, and threatening student safety - must be fully considered. A campus security and protection solution utilizing



IndiNatus most advanced network, audio, video, and intelligent recognition technologies, ensures students, parents, and administrators can enjoy a secured and serene learning environment.

A SMART SOLUTION FOR DUCATION



- Accurate GPS Location- To locate & track vehicles in real-time.
- HD Video- Ensure video quality for real-time monitoring & review.
- SMS Linkage-Parents receive notification after student swipes ID card on bus.
- System Stability & Reliability- Maintain a smooth & reliable system at all times.

The Benefits of Using Security Cameras in Schools (Pros)

- School administrators and staff have many responsibilities, and student safety is a top priority for most. Schools are expected to keep students safe and to have appropriate systems to protect them from everything from bullying, to vaping, to emergencies like natural disasters or active shooter situations. It's a tall order, and parental and societal concern and pressure have increased over the years.
- This is where video security comes in. Video surveillance is a large part of many school districts' overall security plan, and most schools consider installing security cameras to help keep students and faculty safe. There are many benefits to this, which we'll discuss below.

Improve emergency preparedness and response

Video surveillance is on the front line of defense when protecting a school. With modern security cameras, a school can be more proactive with campus safety and know when suspicious activities are happening in real-time. Video surveillance improves emergency response for schools and provides a clear indication that the school values safety. For these reasons, most parents tend to support security cameras as long as they are installed responsibly.

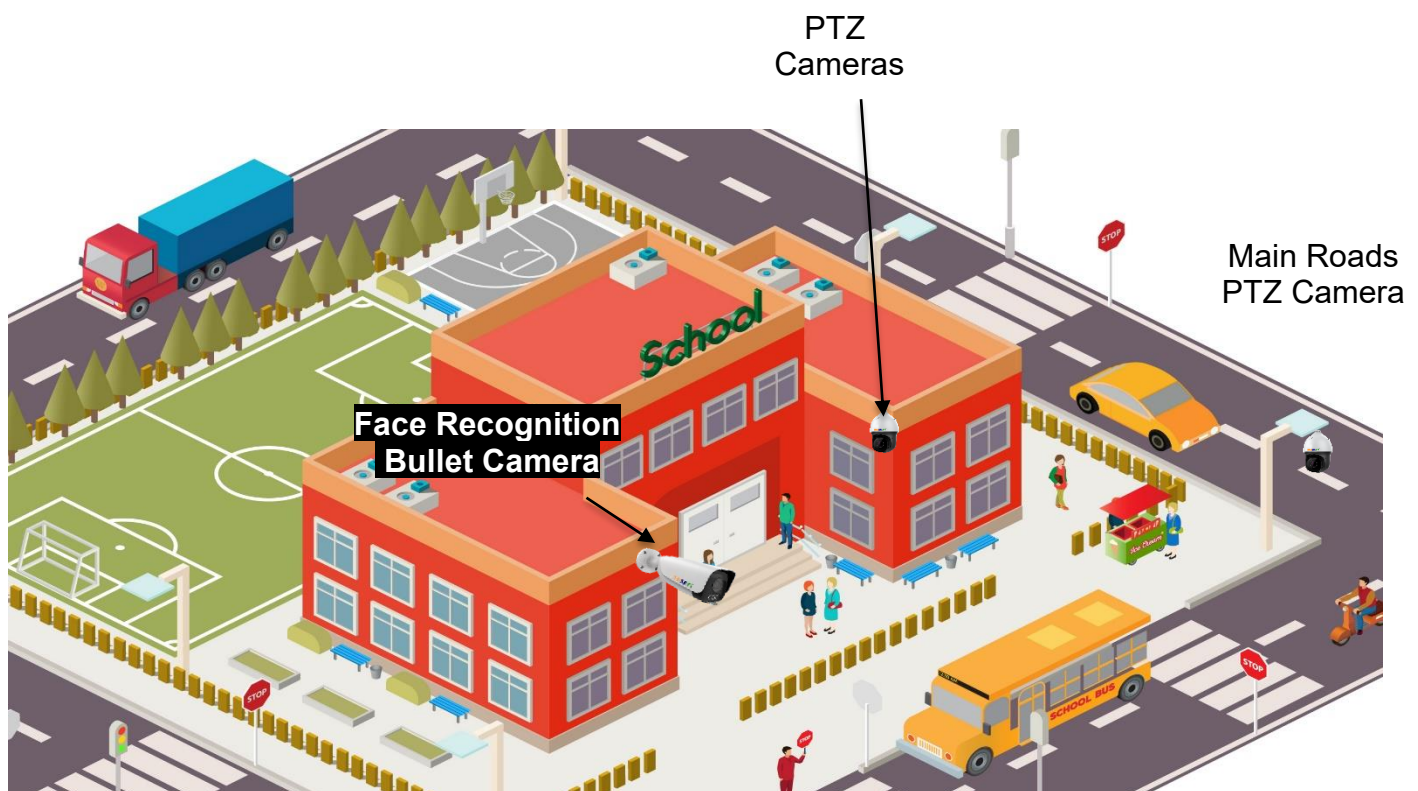
It's crucial to have reliable, up-to-date information during an emergency, and video security helps provide this. Modern systems improve emergency preparedness by helping schools:

- Respond to incidents more quickly with automatic real-time alerts
- Easily share live footage with emergency responders.
- Proactively detect suspicious behavior with AI Analytics.

VIDEO SURVEILLANCE IN IMPORTANT SCENES

PUBLIC AREAS-

Panoramic Cameras provide a comprehensive view for large open areas as well as clear close-up video surveillance when needed.



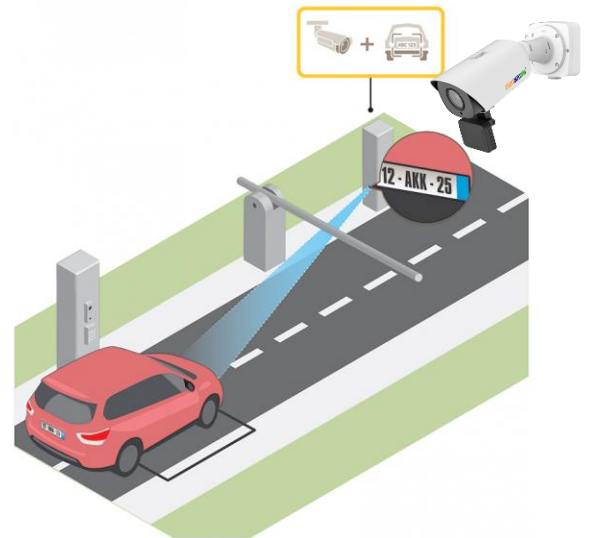
Main road

2MP 33× Brightstar IR POE AI PTZ Camera

- Up to 60fps (1280×720, 704×480, 640×480)
- Min. illumination Color: 0.001Lux@F1.5
- Optical zoom: 33×, digital zoom 16×

- Smart IR, IR Range: 150m
- H.265+/H.265/H.264/M-JPEG
- Intelligent monitoring/ Face Capture mode
- Plugin Free
- IP67

Facial Image Capture and ANPR



School Gates

Outdoor Screen: Clearly shows the available number of parking lots and help driver to know if the parking is occupied or empty.

• **Info Screen:** Clearly show the car plate info for driver, to indicate driver related information when barrier doesn't open and help driver to acknowledge the vehicle plate.

• **ANPR Camera:** Capture and recognize the vehicle plate with video & loop detection, relay out to enable the opening of the barrier and improve the entrance efficiency and safety.

• **VTO:** Inter-communication with security center when ANPR function fails to reduce the necessity of guard on-site.

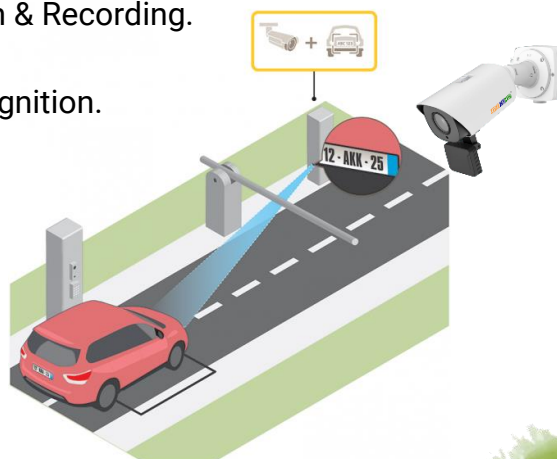
System Features

- Batch import of blacklist from VMS.
- Downloading of face image library from VMS to intelligent devices.
- Intelligent device scan run comparisons against different face libraries.
- Stores all captured facial images in the center.
- Receives real-time blacklist alarm.
- Searches by stored image for suspicious personnel.

Automatic Number Plate Recognition (ANPR)

Entryways constitute the first critical threshold for campuses. Security guards must pay close attention to vehicles to prevent security events.

1. Automatic Number Plate Recognition & Recording.
2. Vehicle List Management.
3. Blacklist Warning and Whitelist Recognition.
4. History Search & Report.



Access Control for Office Areas

For other indoor areas such as meeting rooms, offices, financial offices, and laboratories, access control devices can be used to unlock doors. Users can customize various combinations of cards, fingerprints, or facial information for access credentials.

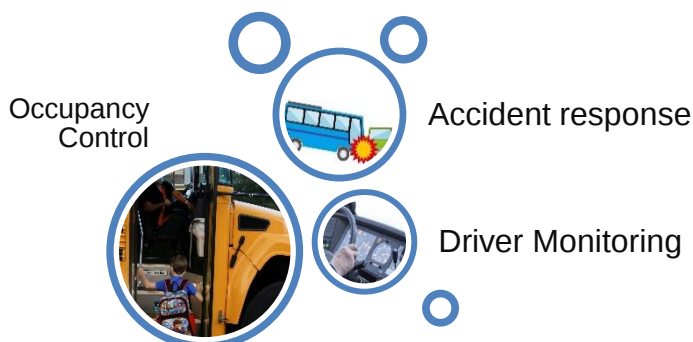
- Metallic case, new design with touch keypad, slim and elegant, 2-inch Touch Key Fingerprint access control device with Aluminium alloy Case
- Applied capacitive fingerprint sensor, which is good at recognizing live finger and long-lasting use.
- Support T9 input method, ID and IC card swiping together.
- Standard TCP/IP, RS485, USB, U disk for communication with computer and server together.
- Support self-service report. You can export and import user information and shift setting in excel format. It
- also support export excel attendance report from device directly with USB flash drive.
- Professional access control, Tamper alarm, duress alarm, door open alarm, Wiegand input and output, door
- magnetic detection, anti-pass back, interlock, fire linkage and other professional access control functions
- IP 67 Waterproof standard(optional)



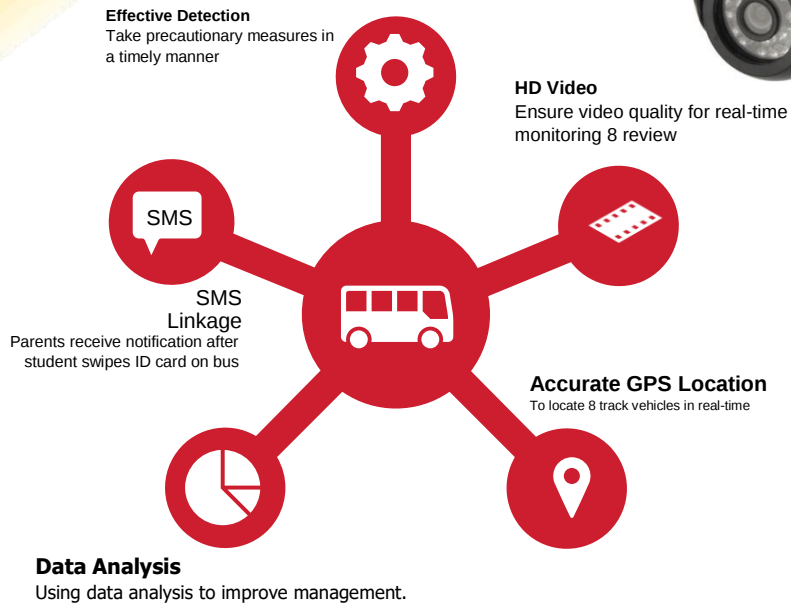
COMMON CHALLENGES FOR SCHOOL BUS

A school bus system is one of the most important transportation methods for students all over the world. But the potential safety risks associated with them often go overlooked. A school bus security system should be able to:

1. Supervise drivers to prevent unsafe driving.
2. Capture the bus's interior and exterior for comprehensive monitoring.
3. Monitor the entire vehicle and ensure students remain safe to and from school.

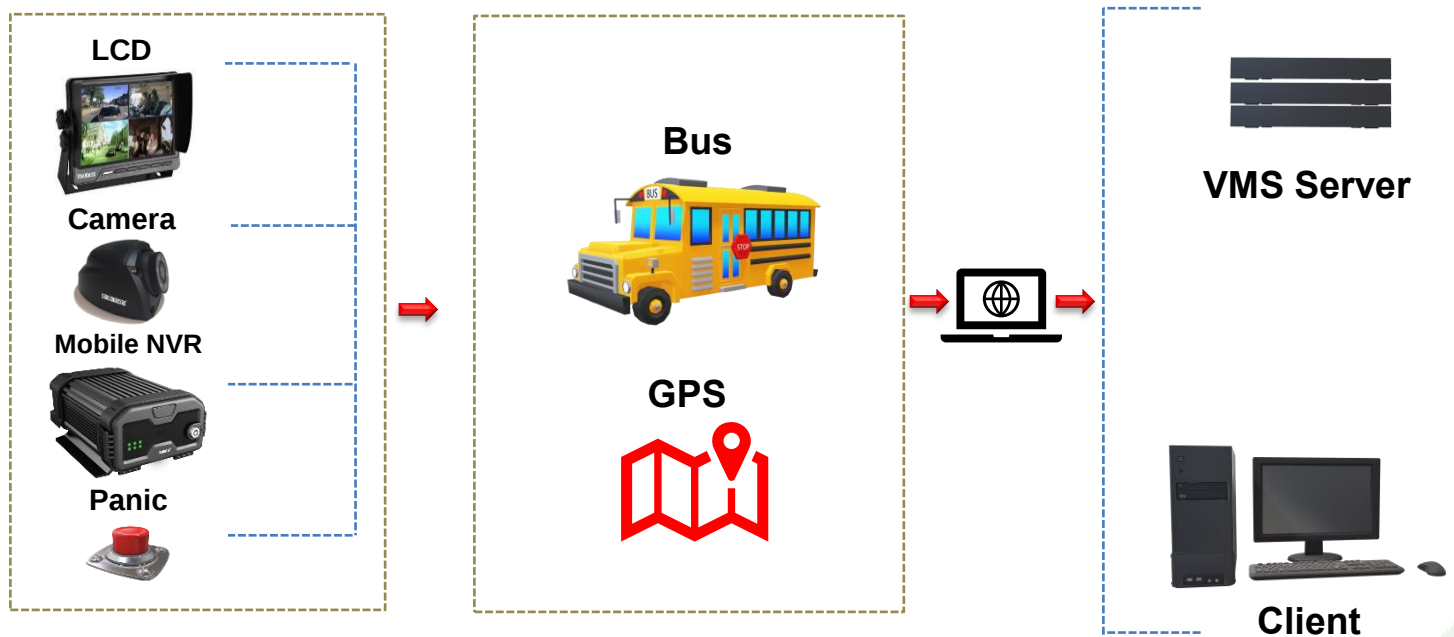


Purpose of the System



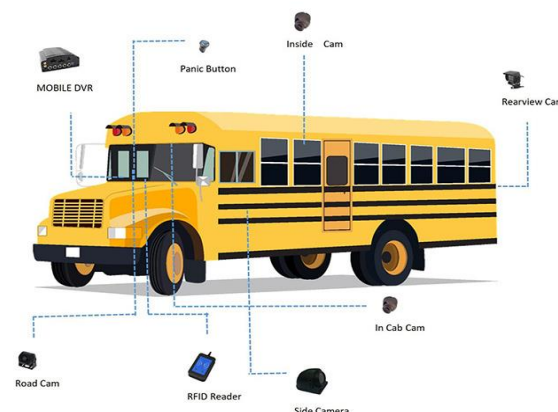
System Architecture

Mobile Video Surveillance System



8 Channels Solution

- Support 1-8 CH 1080P AHD real-time recording
- Accept HDD/SSD up to 2 TB Storage, and 1 SD card (up to 256GB) for backup at 4G/Wi-Fi model optional
- WIFI automatic download
- Support an integrated G-Sensor) to detect a crash, harsh braking, acceleration, and cornering
- Onboard UPS 8 seconds delay power-off for data protection
- 8V-36V wide voltage power supply
- Support to connect driver panic button to send an alarm to platform
- Support to connect the RFID reader for student's attendance.



Our Few Esteemed Client



& many more.....



India Ka Apna Brand



IndiNatus India Private Limited

GST No. 07AAGCI2699G1Z9
CIN: U29190DL2021PTC85394

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