Inaugural
★ **I S S U E** ★

An Integrated
Approach to Security:
**Creating Safe Facilities with
Intelligent & Integrated Security**

CP PLUS Secures
The Kumbh Mela 2019

300 Plus SDMC Primary Schools Across Delhi
Secured by CP PLUS

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संतोष कुमार गंगवार
Santosh Kumar Gangwar

श्रम एवं रोजगार राज्य मंत्री (स्वतंत्र प्रभार)
भारत सरकार
Minister of State Labour & Employment
(Independent Charge)
Government of India

June 29th, 2019

सत्यमेव जयते

MESSAGE

I came to know that CP PLUS is coming up with the News-letters for the Security Professionals & the Key Customers across India. This is a very good initiative by CP PLUS to promote & create awareness on the latest security trends & technologies.

I am sure the stake holders in the security industry will get benefitted a lot by this great initiative.

I congratulate Team CP PLUS for its success & progress ahead.

(Santosh Kumar Gangwar)

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GAUTAM GAMBHIR
Member of Parliament
East Delhi Parliament

सत्यमेव जयते

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MPED/GG-0158/CP PLUS

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05 July 2019

MESSAGE

Congrats to Team CP PLUS on the launch of CP PLUS Interface -A
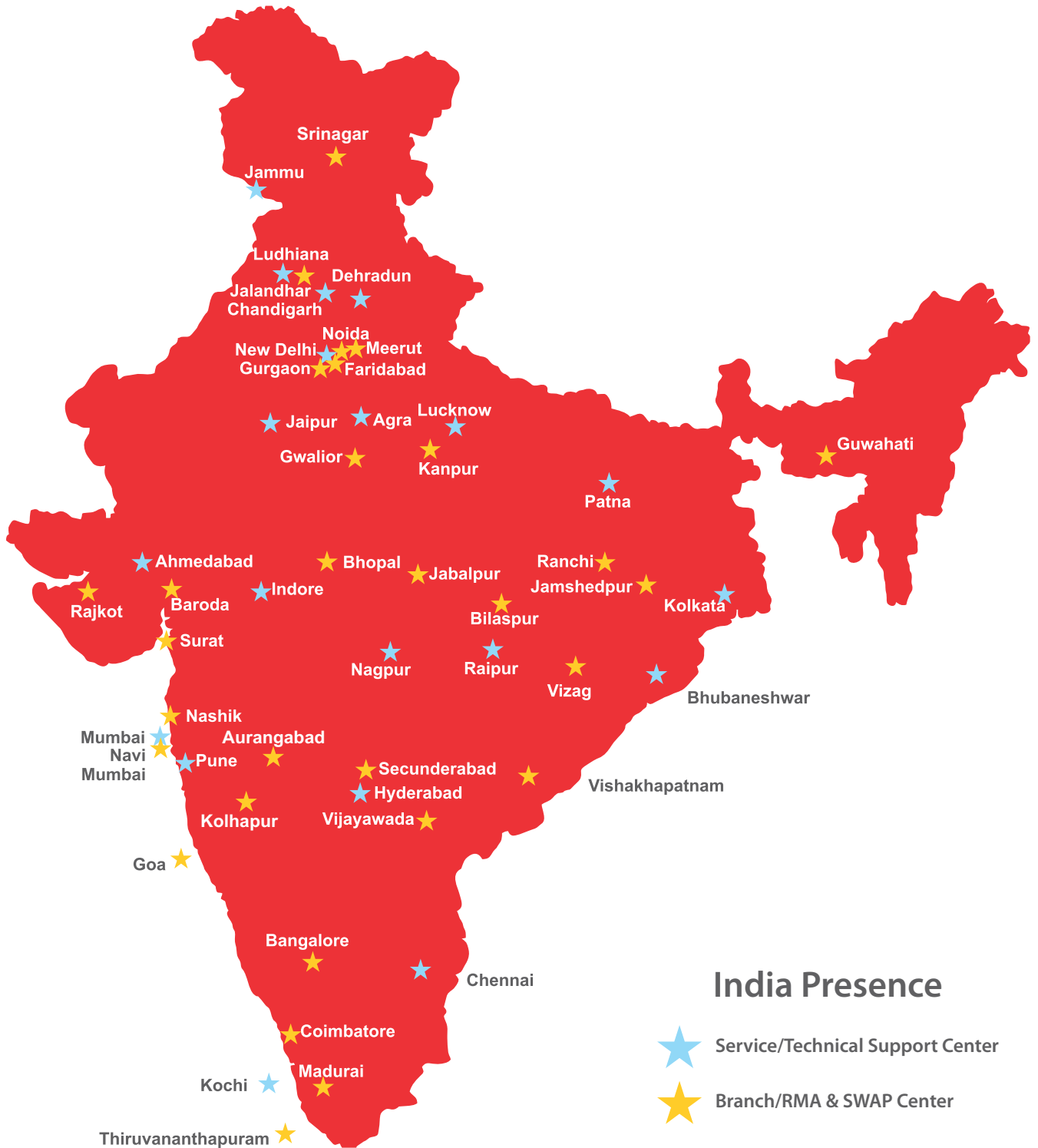Quarterly Newsletter on Surveillance & Security Products/
Solutions by CP PLUS.

Security for all, is the mantra, very close to my heart. I m very
confident, your initiative will keep your customers & Integrators
updated on latest products & technologies, thereby, contributing to the
security of the nation.

Wishing you all the best, in your initiative.

Jai Hind !!!

Gautam Gambhir
Member of Parliament

Pan India Infra

upar wala sab
dekh raha hai

CP PLUS

Srinagar
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Ludhiana
Dehradun
Jalandhar
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✆ 8800952952

Aditya Khemka

Managing Director
CP PLUS

Greetings,

We at CP PLUS are excited to bring in the inaugural issue of CP PLUS Interface – newsletter, to keep you updated.

The Security Sector in India has seen the qualitative impetus all around, In the backdrop of initiatives such as Digital India, Make-in-India and the Smart Cities Mission. And, it gives me immense pleasure to share that CP PLUS is on a strong growth trajectory and we are consistently evolving with newer technologies & solutions, thereby laying stronger foundation year on year. To begin with, the increasing application of IoT-enabled tech - Artificial Intelligence, Big data, Deep learning and Cloud computing, are swiftly altering the business landscape. Vertical market solutions are turning IoT-enabled to provide agility and scalability. No doubt, amid this rapidly evolving technology-oriented environment, Security is successfully emerging as a top socio-economic priority.

CP PLUS is consistently working in enabling itself, to contribute in bigger way towards building safer & secure nation. CP PLUS commissioned its first World Class State-of-Art manufacturing plant in Andhra Pradesh, India under the Make-in-India initiative by Hon Prime Minister Mr. Narendra Modi. With this facility, CP PLUS not only made a cognizable impact on employment generation in surrounding region, but also pushed indigenous manufacturing, under guidance from R&D wing of CP PLUS Teknologix Labs. Today, we are manufacturing a wide spectrum of surveillance products after applying in-depth and methodical research and development techniques. Our R&D and testing centre, has been a major facilitator in formulating products with innovative approach; while following adhering to international quality standards on product manufacturing, continuously.

CP PLUS is committed to the cause of making security an integral part of human society. We also aim to strengthen the network of channel partners through innovative training initiative such as Mission-Tech. Through Mission-Tech, we are striving to provide Certification Training programs for system integrators and partners and instill them with self-reliance, while promoting the relevance of security in our lives.

At the same time, CP PLUS is pro-actively involved in CSR (Corporate Social Responsibility) activities, since its inception and will continue to provide generous assistance in the social upliftment of the backward and under-privileged of the society. We are deeply involved in promoting Education, Health, Disaster Relief and Protection of Animals through various initiatives towards building a prosperous nation.

On this note, I would like to conclude and add that CP PLUS will continue to push forth the idea of security for the modern world, as innovatively as possible and will keep on reinventing and redefining its products and solutions for its valuable customers, channel partners and patrons.

Jai Hind !!!

Aditya Khemka,

MD, CP PLUS

Content

CP PLUS Introduces Health Monitoring System - A Complete Health System For CCTV Surveillance

Health Monitoring System (HMS)

CP PLUS launched an integrated platform for device monitoring - Health Monitoring System (HMS). The HMS will bolster device efficiency, performance and improve customer's experience.

Speaking on the launch, Mr. Aditya Khemka - Managing Director, CP PLUS elaborated, **"We are going a level higher in providing our customers with intuitive experiences. The HMS will augment product efficacy by keeping a check on** customer's cameras and devices. This platform will act as a comprehensive health monitoring system for every CCTV surveillance device and will simplify tracking, detection and resolution of any sort of irregularities or malfunctioning faster. Accessible through an online portal, with the HMS customers have the opportunity to draw maximum value from CP PLUS products and solutions."

HMS is a SaaS-based service for Customers, Service Integrators (SI), and the SI agent to operate via the web portal. It is architected to provide comprehensive health information of registered devices and cameras, heightening efficiency and dependability. HMS will provide visibility to Customers, SIs (System Integrators), and SI (System Integrators) Agents regarding any breakdown in the system and enable them to check/detect issue through an interactive and user-friendly dashboard. Accessible 24/7, the HMS will notify and alert the participants (Users, SI, SI Agent) when any device incident pertaining to Device Malfunctioning, External Alarm Events, Network/Power Failure and Storage/Recording issues crops up.

Furthermore, the HMS will add value to CP PLUS products and solutions. As a primary source for checking device health status & information, the HMS will offer a wide range of benefits to customers.

- Push Technology: Edge devices push all critical events to HMS cloud server for instant notification.

- Critical Alarm Notifications: Device Offline/Online, IPC offline/online, Video loss, Camera masking, Recording status, External Alarm, HDD alerts

- Email/SMS Notifications: As soon as device generates an alarm & send to server, an Email/SMS notification will be sent to user immediately

- Automatic Ticket Generation: For any incident/irregularity, a ticket will be generated and automatically forwarded to SI or CP PLUS customer support while the customer will be notified

- Auto Reporting System: An automatic report of device status will be generated and can be viewed by customer

- Web Based Monitoring: View the status of all the CCTV systems over the browser or the smartphone

- Easy to Use Interface: Simple 'traffic light' style warning system displays the status of customers, sites, and devices on a single screen

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CP PLUS Upgrades Time Attendance Management Software Solution - CPTAMS

Enabling customers with state-of-the-art security solutions for over a decade, CP PLUS recently upgraded its elaborative range of biometric software solution - CPTAMS, aimed at augmenting the overall product experience and introducing an organized approach to workforce management. CPTAMS (CP Time Attendance Management Solution) will encompass an all-inclusive range of biometric fingerprint readers accompanied with management application in pre-loaded software CDs. CPTAMS will be available in dual versions - CPTAMS Pro and CPTAMS Lite having wide array of features for end-users.

Regarding the upgrade, Mr. Aditya Khemka - Managing Director, CP PLUS said, "CPTAMS was conceived to offer a viable range of biometric product plus software solution for the customers. The upgrade was on the cards and we have focused mainly to enhance usability, performance and have added more features to cater a wider customer base. CPTAMS is a new-age biometric time attendance management software solution for customers who are looking for a hassle-free and sophisticated attendance management mechanism that

fosters efficiency and productivity across all the departments."

Elaborating upon the functionalities of the upgraded version of CPTAMS, Mr. Yogesh Dutta, COO - CP PLUS further explained, "CPTAMS is a comprehensive biometric attendance management solution to raise overall organizational productivity through regularization of the employee attendance. The software aims at ease of usage, customization, performance enhancement. It has been introduced to make attendance management viable and user-friendly, and both the versions of CPTAMS are capable of addressing varied needs of different types of customers. This upgrade will boost the usage and make time attendance management absolutely seamless for every organization."

CPTAMS modernizes time attendance management across all departments and helps in organizing workforce operations from across multiple locations. It is a suitable attendance management solution for firms of all shapes and sizes. From managing employee attendance, leave & holiday management, alerts and notifications, device

support, customized reports, CPTAMS accurately addresses the core requisites of streamlining employee attendance management thereby, boosting productivity and heightening efficacy of the workforce.

With this upgraded version of CPTAMS, customers can take advantage of some unique and useful features stated below:

CPTAMS Lite

CPTAMS Lite version is easy to install and light-weight while supports both push and pull technologies and supports up to 5 devices, making it ideal for small-sized enterprises, start-ups. CPTAMS LITE can be connected with USB, Internet, or via USB-enabled and client domain.

· Attendance, leave & holiday management

· Outdoor attendance

· Email and SMS alerts

· Customized reports

· Lite application

CPTAMS Pro

This version supports Time Attendance & Access Control System while it has capability to register 255 or more devices and unlimited user count with centralized database monitoring system. CPTAMS PRO can be connected with USB, Internet, or via USB-enabled and client domain. It also has unique characteristics such as Auto-downloader, Auto-shift, Employee management, and Employee category. More features are mentioned as below:

· Attendance, leave & holiday management (push data technology support)

· Outdoor attendance & auto shift

· Email and SMS alert

· Attendance auto and manual (syncing with databases)

· Customized reports

· Supports more than 20 reports

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Introducing the new CP PLUS AI Chatbot - CP TALK

Technology initiative by CP PLUS to amplify guided-customer-support service

In a bid to make customer interaction intuitive, responsive and friendlier, CP PLUS has launched AI-powered chatbot - **CP TALK**. The Chatbot is a friendly and conversational chat assistant available for the customers on the company website. Chatbot '**CP TALK**' will help the customers in exploring precise information about CP PLUS products and solutions.

Quoting on the launch, Mr. Aditya Khemka, Managing Director - CP PLUS said, "At CP PLUS, the focal point has always been the customers. Emerging digital technologies such as the Chatbot assisted platforms are going to change the way we have been interacting with customers; they are more likely to be key drivers of customer satisfaction. And, our own AI-based Chatbot "**CP TALK**" has been conceived to increase the ratio of engagement with our channel partners and customers. I am sure it will augment customer satisfaction to the next level."

"Artificial intelligence is an intriguing technology, especially when we are thinking about its implications as per the security and surveillance sector. We are proud to have launched our very own Chatbot - **CP TALK** to enhance the experience of our customers. This is an AI-based Chatbot developed to provide intuitive customer support. More importantly, the Chatbot will provide customized support to each online customer, amplifying the relevance of our brand in this evolving time", opined Mr. Yogesh Dutta, COO-CP PLUS on the launch of the Chatbot.

About CP PLUS' Chatbot - CP TALK

Chatbot - **CP TALK** is designed to provide guided-customer-support to the visitors landing on the company's corporate website. It will give intuitive answers to all types of customer queries pertaining to CP PLUS' security and surveillance products & solutions. To apprise on the term guided-customer-support, AI based Chatbot, **CP TALK** will interact with customers and give them relevant information regarding a product, ensuring seamless customer support round-the-clock. The Chatbot can answer in two-ways; by displaying options or by answering individual customer queries via chat interface.

Mission-Tech Trainings by CP PLUS Reaches Completion in Ahmedabad & Pune

CP PLUS recently conducted its technology-driven training initiative - Mission-Tech in Ahmedabad & Pune regions. CP PLUS, the global leader in security & surveillance has been conducting the Mission-Tech training to impart in-depth knowledge about the latest surveillance technologies and offer hands-on experience of all types of security solutions and equipment to learners from different walks of life.

Earlier also, the conglomerate has carried out successful training sessions across India in a bid to disseminate comprehensive knowledge of the surveillance industry and enable learners to devise innovative security solutions.

CP PLUS Mission-Tech Certified Training Programs are designed to train and educate Surveillance System Engineers (SSE) on Installation, Operation and Maintenance of CP PLUS Products; designing Intelligent Security Solutions and inspire industry professionals into accomplishing results and launch their own business ventures. Mission-Tech certifies a professional under its elaborate training design through these certifications -

· CP PLUS Certified Surveillance Engineer (CSE)

· CP PLUS Certified Surveillance Professional (CSP)

· CP PLUS Certified Surveillance Designer (CSD)

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Speaking about the recently conducted sessions, Mr. Yogesh Dutta, COO - CP PLUS said, "Mission-Tech is an ambitious initiative by CP PLUS to impart state-of-the-art knowledge and training to young and experienced professionals, and enthusiastic technical learners from different walks of industry segments who aim to understand surveillance industry from a broader perspective. We have been successfully running the training sessions in multiple Indian locations and dispersing training of latest surveillance technologies, in addition to the fundamentals basics of the security and surveillance sector. We are quite positive about the performance of Mission-Tech as a tool for imparting quality education of the surveillance domain and we will continue to cover as many locations in India as possible in the future."

Mission - Tech is a government approved Skill - India initiative and duly recognized by IASC (Instrumentation, Automation, Surveillance & Communication Sector Skill Council). The training is provided to industry professionals conforming

required experience criteria and is intended to enhance the solution-designing skills of the learners. By completing Mission-Tech training an individual is fully-empowered to design effective surveillance solutions using knowledge of the latest security equipment and deliver value to their respective industry or verticals. The course is designed considering the Indian business environment, thus making it highly beneficial in terms of relevance and industry application.

To know more about the CP PLUS Mission Tech Training Program, E-mail: training@cpplusworld.com

Aditya Infotech Introduces SPEEDO - A 24-Hours Resolution Service

Riding high on future-ready technology and an innovative range of products, Aditya Infotech Limited stands deeply committed to its customers. After decades of experience in providing best-in-class services, we are taking another quantum leap AIL launch of **SPEEDO - 24 Hour Resolution Service**, especially designed for our valued channel partners. This service aims to augment customer satisfaction to a higher level and enhance the service delivery process Pan-India.

According to Mr. Yogesh Dutta, COO, Aditya Infotech Limited, "Being a technology-driven enterprise, customer satisfaction is paramount for us. Our products & solutions are increasingly customer-centric and therefore, we have launched the SPEEDO service to walk a step further in customer engagement, thereby working to strengthen the bond with our channel partners. As industry leaders, we think that Security and Surveillance has an immense potential in the Indian market. Our major focus is now on delivering an exceptional product quality and achieving the highest standards of customer satisfaction."

Adding further, he said, "While developing a service for the target segment, we carefully analyse the expectations on multiple factors such as usage, experience and other trends. This helps us in making our services more goal-oriented and in meeting the TAT more efficiently.

Main product categories covered under the Speedo service:

• HD Plastic Body Camera

• IP Plastic Body Camera

• SMPS (CP PLUS Power Supply)

• 4/8/16 Recorder (1 SATA)

About SPEEDO – A 24-Hour Resolution Service

SPEEDO is a 24-Hour dedicated resolution service for our channel partners. The product categories which are covered under this service – HD Plastic Body Camera, IP Plastic Body Camera, SMPS (CP PLUS Power Supply), and 4/8/16 Recorders (1 SATA). The service will be applicable as per the standard warranty norms and will be available in selected locations only. The maximum turnaround time is 24 working hours, whereas, product will be swapped/repaired/returned on the same day itself.

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CP PLUS, Salman Khan & Bharat - Journey Of A Man & A Nation Together

CP PLUS proudly announces its association with Salman Khan starrer blockbuster movie - Bharat as the official security partner. The movie Bharat is slated to release on the 5th of June 2019 and is directed by ace director Ali Abbas Zafar.

Bharat vividly showcases the hues of patriotism in its core for the audiences. The movie will unfold unique tale of human emotions and the journey of a man played by Superstar Salman Khan essaying the lead role, who witnesses a transformational journey spanning through 60 years.

Excited with this association, Mr. Yogesh Dutta, COO - CP PLUS expressed, "It's a privilege to be associated as the Official Security Partner of the Salman Khan starrer movie Bharat. We recognize that entertainment holds a special place in every individual life and impacts millions of people. We are glad to be recognized with the magnum opus and wish that the movie garners phenomenal response from the audiences and brings roaring success for the entire team."

CP PLUS has continuously strived to reach out to its customers in innovative ways. With the release of the movie, CP PLUS is proud to be associated Salman Khan's sheer popularity among masses will draw millions of his fans. Widely hailed as Superstar, Salman Khan is expected to leave his mark with this movie in India and inspire with his extra-ordinary performance.

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Bags Coveted Realty+ INEX Awards 2019

research and development of path-breaking security and surveillance solutions for our customers, so this award comes as a token of appreciation for the hard work that CP PLUS team has put in developing indigenous surveillance solutions. This award inspires us to introduce more cutting-edge surveillance products and solutions for different customers and strengthen our strong-hold further in the market. We are deeply humbled by this win and will look forward to more such appreciations in the future."

Speaking on this, Mr. Yogesh Dutta, COO, CP PLUS quoted, "We believe in providing tailor-made solutions using innovative security and surveillance technologies for our customers. And, it gives me immense pleasure in pronouncing that we are consistently doing it for more than a decade. This award boosts our spirits to a new high and encourages the entire CP PLUS team. We feel invigorated to raise the bar further and see ourselves well-prepared to meet the new challenges head-on."

About Realty+ Interior & Exterior Awards

The 3rd Edition of Realty+ Interior & Exterior Awards 2019, presented by SAI Estate Consultants & co-powered by LIC Housing Finance Limited included renowned architects, developers, property consultants, and founder & CEOs of Indian and international market players associated with the Real Estate sector. The list of dignitaries had industry big-wigs presenting the agenda on growth and business projections of the sector for the near future.

CP PLUS, India's leading provider of advanced security and surveillance solutions has bagged the prestigious **Realty+ INEX Awards 2019**. The 3rd Edition **Realty+ INEX Awards 2019** was held on January 23rd, at the ITC Maratha Hotel – Mumbai. CP PLUS won the coveted title of "**Popular Brand of the Year**" solidifying its position as the strongest brand in security and surveillance industry in India. Renowned for producing intelligent security products and solutions for the local and global consumers, CP PLUS accelerates its pace further by winning this award.

Managing Director, Mr. Aditya Khemka - CP PLUS expressed, "We have calibrated our energies for the

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CP PLUS Eyes Middle East; Launches Stores Across Egypt

Egypt, Crossing one milestone after another, CP PLUS, the undisputed leader of the surveillance industry in India, furthered its international presence with chain of exclusive store launches across the historic country of Egypt. Extending its territorial influence, CP PLUS launched its stores in - Alexandria, Portsaid, Mansoura, Cairo, Zagazg, Minya, Sohag, Qena, and Aswan; making its surveillance products and solutions available throughout the nine exclusive stores for Egyptian customers. A grand launch was organized across each of the CP PLUS store with a ceremonial cake cutting by the members of the CP PLUS team.

Commenting on the Egypt debut, Mr. Aditya Khemka - Managing Director, CP PLUS ecstatically shared, "We were looking forward to this launch and opening of the CP PLUS exclusive stores in Egypt is one of the proudest moments for us. It is exciting to expand our reach and see ourselves visible on this part of the world. Egypt should prove a favorable market for us since the on-going development and infrastructural advancements will be beneficial for the business to penetrate deeper. Also, this location will provide us with an opportunity to eye the neighboring locations of the middle eastern continent. We want to work towards making the Security and Surveillance domain a prominent and flourishing sector here, and target more and more customers to gain business mileage."

During the store launches, Team CP PLUS displayed specific surveillance solutions such as T & A Solutions (VDP Solution), Intelligent Network Solution, Artificial Intelligence based solution and HD Surveillance Solution among others. The CP PLUS stores in Egypt will house wide range of products starting from Network Camera, NVR Solution, Analog HD Camera, PTZ Camera, Digital Video Recorders, Biometric Solutions, VDP Solutions, Accessories and more.

The surveillance industry in Egypt is going through a transitional phase and the country's infrastructural development is rapidly evolving towards a brighter future. With the store launches, now the CP PLUS team will add another dimension to its international market reach. In addition, with this CP PLUS is foraying into understanding the customer sentiments and plans to work relentlessly in fulfilling consumer expectations in the Mideast nation.

CP PLUS Showcases IoT-Enabled Intelligent Surveillance Solutions at INTERSEC Dubai 2019

CP PLUS pulled up a great show at the Dubai INTERSEC 2019 held at the Dubai International Convention and Exhibition Center. Showcasing IoT-Enabled Intelligent Surveillance Solutions such as Stand-alone AI cameras, Face recognition (deep learning algorithm), gender, age, emotions detection, Smart Search for Analytics, 3D people counting, Object tracking, and LPR solution.

Speaking about the event, Mr. Aditya Khemka - Managing Director, CP PLUS team actively participates in the INTERSEC Dubai exhibition every year. INTERSEC Dubai provides us with an opportunity to showcase our most innovative offerings amid an international audience. This year, we wanted to go big on IoT-Enabled Intelligent surveillance

solutions and showcased our latest surveillance range of products for sectors like Banking, Hospitality, Retail, Real Estate, Industry & Manufacturing among others. In an evolving digital world, we are pushing for AI-based intelligent solutions for each vertical market."

On the other hand, Mr. Yogesh Dutta, COO - CP PLUS quoted, "This would be 5th year in a row that we are participating in INTERSEC, Dubai event. We showcased industry-specific security and surveillance solutions, focusing largely on AI-based solutions. The turn-out at the event was phenomenal, atmosphere was filled with enthusiasm, and our pavilion attracted large number of footfalls."

Vertical Solutions Showcased at the INTERSEC, Dubai 2019 Exhibition by CP PLUS

IoT Enabled Smart Surveillance Solutions

Stand-alone AI cameras with face recognition (deep learning algorithm) and gender, age, & emotion detection were on display, equipped with features like Smart-Search for analytics, 3D people counting, object tracking, and LPR solution.

Banking and Hospitality Solutions

For the banking sector, on display was ATM solution with motorized zoom for outside ATM, WDR with audio alert, Face capturing camera as pin hole hidden camera with Smart Analytics. While for Hospitality industry, solutions for Perimeter security with motorized zoom with Smart analytics, Parking area surveillance with LPR, Fish-eye camera for 360 view, and Corridor area surveillance with corridor mode. Also, time and attendance solution were presented.

Industry and Storage Solution

For the industrial sector, industry-grade Explosion-proof cameras, Anti-corrosion camera, IP68 cameras with surge protection were displayed; along with vandalism detection solution was showcased with Intelligent Video Analysis, ANPR solution, and Access Control System. Other solutions such as Intrusion alarm integration with beam sensor for temperature measurement, fire detection, equipment failure, leakage in chemical containers, oil & gas leakage, energy audits, electrical drops, panel, breakers, switches, and wire connection. In storage, Seagate SKYHAWK surveillance solution was showcased for the audience.

Retail & Real Estate Surveillance Solutions

For the retail sector, people counting, face detection, heat map to detect crowd and POS solution with text overlay on video was in the offering. While for the real estate sector, Parking area surveillance solution with

4K H.265 Network Camera and 2 MP @60fps LPR Camera were displayed; with Multi-Apartment TCP/IP VDP solution.

Home Surveillance Solutions

Ezykam solution having Home on Phone with Insta Cloud was displayed.

Transport Solution

In this, solutions on 3G/4G remote monitoring, GPS tracking and GEO fencing, Wireless Auto backup, Alarm Integration, Video Archiving, Shock, Vibration & tamper proof solution, Analytics with AI were displayed.

On-Campus Solution

Solutions showcased for this vertical were Entry/exit for vehicle monitoring, Perimeter protection with WDR motorized zoom with Intelligent Analytics, Classroom monitoring with Edge recording, Open area monitoring with PTZ auto tracking. And, Fish eye camera for library, cafeteria, hallways, corridors.

City Surveillance Solutions

City Surveillance Solutions for Market area with PTZ cameras, Body-worn hand-held surveillance, Camera with SFP Port for long distance transmission, Face

recognition for identity detection, Starlight PTZ with high quality imagery in low light environment were displayed.

About INTERSEC, Dubai

INTERSEC, Dubai is world's leading trade fair on safety, security and fire protection solutions for exhibitors to showcase their exclusive range of products involving Informational Security, Commercial Security, Safety & Health, Fire & Rescue, and Homeland Security & Policing. For major brand manufacturers, newcomers, local or international exhibitors, INTERSEC, with its unique product diversity, is one of the most important industry meeting point and a source of technologies for wholesale and retail trade as well as for corporate buyers. One of the largest security assemblages in the world, Intersec Dubai receives participation from more than 600 companies displaying ground-breaking security solutions in various categories. Major sectors such as Aviation,

Construction, Oil & Gas, Hospitality, IT, Telecommunications, Government, System Integration, System Installation, Retail, Healthcare, Education, Banking, Building Safety, Residential & Smart Homes and Ports & Logistics have continuously leveraged great mileage for their businesses from the solutions presented at the exhibition.

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Maj Gen Rajesh Arya (Retired)

Head -Training & Business Development
CP PLUS

An Integrated Approach to Security: Creating Safe Facilities with Intelligent & Integrated Security Solutions

Providing security for Facilities and Business Enterprises involves more than the best choice of security products, features and software. Intelligent Security Systems such as digital video surveillance, access control and intrusion detection can be integrated into a Facility Automation System (FAS) to protect public, property, assets and information in its pursuit of Secure & Safe India when added on electronic surveillance. In fact, very few OEMs like CP PLUS have effectively applied building automation products and related services to provide effective integrated security for its customers.

Current Security Scenario:

The safety of Property, Staff and Visitors on a facility is the responsibility of security officers who must pay

close attention to the places where people spend most of their time, such as Side Lawns, Entrances, Store Houses, IT/Server Room Offices or work stations. But Facilities consist of more than these places. A Corporate office or a Business facility might be home to sensitive research projects that require restricted access and closer scrutiny. A building also might have other facilities that warrant special vigilance, server room with valuable data, store room with important items and walls and corridors dotted with awards/ trophies, paintings or sculptures.

Furthermore, business facilities are home to hundreds of Employees & Security Staff. As residential and work communities alike, business facilities are dynamic environments with constant activity. As a result, an effective facility security program must address the protection of property, staff and safeguard business property and facilities from damage or loss.

In a high-risk environment, security remains a critical concern for administrators. Business houses are spending money on a variety of technology and equipment to increase safety and protect property. This includes burglar alarms, fire protection systems, digital video recorder (DVR) surveillance and video cameras, security lighting, access control, sensors and detectors, and badging/ID card systems.

But are these investments the best way to increase security? These separate systems, each address a

different security need, and require training and familiarity to be most effective. A system that integrates the functions of many security devices into a single system significantly reduces capital expenditures and lowers facility operating costs because component devices are used in multiple ways and security officers can be trained on one system rather than many. Through integration, the whole security system

becomes greater than the sum of its separate parts. And security staff becomes more effective on the job.

Integration Beyond Basic Security Technology:

Regardless of the size of the Facility, its location or the level of security risks that need to be addressed, there are essential components of an Electronic Security System (ESS). These include intrusion detection, access control and video surveillance. These three systems, in the hands of competent and capable security staff, apply technology effectively to reduce crime and protect people and property on a facility.

Intrusion detection:

Simple intrusion detection is probably the most familiar concept of security to most people. Intrusion detection involves the use of door or window contacts, glass contacts, or motion sensors, in combination with some type of audible alarm that sounds when a person has forced entry into a building or room. An alert is sent to the police or security station to notify

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authorities of the time and location of the incident. Security officers respond in person to evaluate the situation.

This method of incident response can be adequate for detecting an event and quickly getting to the scene. But the effectiveness of the response at the scene and subsequent prosecution is dependent on several things;

the proximity of security personnel to the incident; whether witnesses were present; the number of people involved; the seriousness of the incident, and other factors.

More information would be helpful, such as captured details of the situation that could lead to proper response and identification of perpetrators, thereby reducing the likelihood that a similar incident would not occur again. Door and window contacts, motion sensors, and other devices already in use for alarming can be put to better use to help gather this information by triggering other parts of the security system.

Access control:

Access control is how people are granted or denied access to restricted areas, such as Reception area, Offices, Store rooms, parking garages, and fee- for-service areas like cafeterias etc. Corporate offices are unique with respect to access control because the needs of the community vary widely depending on who needs to go where. There are days when out station staff meets who unlike other personnel with dissimilar requirements for security and building access. Some people on facility require varying degrees of temporary access privileges, and others need permanent access.

A flexible form of access control uses cards with magnetic card readers, proximity readers, barcodes, or smart cards with embedded microprocessors. Card access control in a facility is common today, and there are a variety of systems with different levels of sophistication. There are many advantages to card access control. Staff can be coded with access to specific areas depending on their position or requirement or any other factor. Individual privileges can expire on a given date if desired. And access can be granted or denied at any time based on the status of user.

When used as a stand-alone system, card readers and other electronic access devices offer a cost- effective and flexible way for a facility to control who has access to the various parts of facility, with the system recording who has gone where, and when. The sequence of operations is for the access device to trigger the door lock, entry is granted, and the event is recorded by the central system. But if a device can trigger the lock, why not use this inherent ability to trigger other security devices as well?

Video Surveillance Technologies:

Video surveillance has evolved significantly in the last decade. Older video systems needed banks of video tape for continuous recording and required manual administration to swap tapes periodically during the

day. Record keeping was prone to errors and finding specific incidents on tape was time-consuming. **Digital Video Recorders (DVRs)** made significant advances in features and functions, taking advantage of fast computer processors and high-density storage media to digitize, compress and record video from analog cameras. Newer cameras today have embedded processors that enable video to be compressed within the device and transmitted real-time over IP networks to **Network Video Recorders (NVRs)** that centrally manage video feeds from many IP cameras.

Digital video surveillance is cost-effective and sold by many vendors in a highly price- competitive market. If purchased as a separate system to meet the needs of a security plan or upgrade, a DVR or NVR may be adequate for immediate surveillance objectives. But if this digital video recorder is integrated with an organization's access control and intrusion detection system (as part of the broader facility automation system), the user improves surveillance and reduces the need for additional security personnel.

Integrated with access control, video verification, for example, allows a user to see live video as well as the cardholder's picture when a given access card is

presented at a reader. The security staff can verify that the person presenting the badge is the actual cardholder. Another example of video verification effectiveness occurs in identifying individuals who are "tailgating," or when one person swipes their badge

and gains access to the facility and another person follows them in without presenting their badge. The integrated system allows organizations to visually identify, verify and capture security breaches at access points.

Video Analytics:

The application of video analytics brings additional flexibility and increased productivity of security staff

who monitor many cameras. Video analytics is a technology applied in software that examines the video camera's field of view for patterns of movement that match real-life events, such as running, fence climbing, lurking, and trip-lines. Video analytics provides a means by which the user can focus only on what is truly important, managing surveillance by exceptional events rather than all events.

A DVR or NVR can be configured to only display a camera's video if a specific event or alarm occurs. At a facility for example, foot traffic on a sidewalk near a main entrance   may be deemed normal, and not trip an alarm according to video analytics assessment. However, stepping off the sidewalk and crossing left-to-right across the field of view to a side lawn may trigger an alarm. Additional Alarms can be escalated if video analytics detect loitering near the side lawn, or someone climbing a fence.

These are examples of how expanded use of video surveillance technology that can increase security at facility without requiring an increase in security personnel.

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For example, for an installation or a facility of highly sensitive nature, serving 2000 employs on five facilities, sought an integrated FAS that would allow the organization to decrease operating costs, increase security for staff and management, and allow for remote monitoring of each facility from a central location. The resulting system controls and monitors a wide variety of different facility functions, such as access control events and logs, ventilation, day and

night time energy use, chillers and boilers, and air quality. Even though there are five facility locations, they are all centrally monitored from a Central Control Room/ office.

Integration Advantages:

For business units & facilities with diverse populations and building types spread over large areas, integrating various building systems offers numerous advantages. Foremost, integration provides for reduced installation and operating costs because it eliminates component redundancy and allows customers to streamline operations. Furthermore, it reduces training and empowers system operators by allowing them to perform their duties more efficiently.

Benefits of Integrating the Security System with the FAS: -

- A site-wide single-seat interface enables one person to be trained on multiple security systems.

- Security components become multi-use. A motion sensor can be used for lighting control during occupied hours, and intrusion detection during unoccupied hours

- During design, flexibility, efficiency, and economy provide room for additional security expansion or integration at the lowest cost.

- Better and more flexible response to facility needs, offering staff and visitors greater security and peace of mind.

- More information put to effective use, which gives facility security staff solid ground to stand on for prosecution and proof of loss. CCTV records also aid law enforcement authorities in finding criminals.

- Vendor independence, allowing the customer to choose among best-of-class security products.

- Common uncontrolled facilities like Cafeteria and kitchens can consume 10-15% of the building's energy, increasing the need to more closely monitor hours of peak demand from these sources.

- Single-source responsibility, whereby one integrator is held accountable for all the components of the security system.

Integrated Security and Lighting Control

By way of example, consider the benefits of simply installing a lighting control system versus integrating it with security. In a facility, the lighting controls will enable the operator to maintain comfortable lighting levels and use presets to control the lighting. This ensures the lights are only on when and where they are needed, saving energy and related costs. If, however, there is a security breach late at night, without integration, personnel will need to locate switches and issue commands to the control system to switch on lights in the affected area. If the lighting controls are integrated, the scenario after the security breach is much different. The lights are automatically switched on in the area where the security breach is reported, and CCTV cameras are activated to record the emergency. The operator has a single console to assess the situation and to ensure the appropriate reaction from the fire department or police.

With an integrated security and FAS, it is possible for a facility staff to control entire buildings from one workstation via a networked computer. From this single browser interface, operators can manage diverse building functions, such as environmental control, access control, video surveillance and alarm and event monitoring.

Building staff can view live or recorded video, open or lock a door, grant access to service technicians for emergency situations and handle visitor management. These tasks can be accomplished onsite or remotely at any time, whether during business hours, at nights or on weekends.

Convergence

Most Business Entities have high- speed computer networks and sophisticated and secure IT infrastructure. The business network supports administrative servers, Internet access, multimedia file sharing, collaborative online communities, product inventory and many other computing resources. This type of infrastructure positions the facility to leverage the best that integrated FAS have to offer by sharing the facility-wide network for security and facilities management as well.

As a single integrated system, security and facilities management allows many entity functions to be viewed within a single, common interface.

All hardware, even video, alarm and printing equipment, can work seamlessly within its framework. Entering security and facility data just once, and having the framework synchronize with existing hardware and software automatically, is common on many facilities. An integrated system reduces the overall hardware and software requirements. This leads to fewer training issues, lowers training costs, and allows staff to work more efficiently trending building performance and troubleshooting building alarms. All these benefits result in decreasing the burden on tightly controlled administrative budgets, freeing more money to go directly to production and manufacturing programs.

Conclusion:

Public and business entities have high expectations when they invest in Nation building or any business enterprise or a Facility. They require a quality of life, safety & security at a reasonable cost. State-of-the-art facilities, safety and security are of primary concern. To meet rising expectations within this cost-sensitive market, business houses or government agencies must invest wisely in their facilities as a strategic asset. Fortunately, new Facility management solutions can increase facility security while also maximizing energy efficiency and performance. This leads to a reduction in operating costs and enables resources saved to be reallocated within the budget to new programs.

Technology must work effectively as a tool for well-trained security staff. When evaluating intrusion detection, card access control, and video surveillance systems, require that your vendors show how integration of these security functions can increase security and minimize the training and burden to security personnel. Only an established and efficient vendor can show how integration with the facility/building automation system could provide further efficiencies of operations.

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Our love for security Shows in our service !!!

Introducing

XS

XTRA ◉ SERVICE

for business
for family
for life.

CP PLUS XS (Xtra-Service): A Customer-First Approach

Modern security measures consider the installation of a video surveillance system is an integral part of devising a full-proof security architecture. In malls, business centers, hospitals, banks, homes and others, visual monitoring has become an undeniable aspect. The installation of cameras and video equipment allows continuous video recording on a digital recorder, serving as a video evidence for any type of incident taking place. The installation of a video surveillance system for the protection and monitoring of a surrounding area as well as the internal space is a common practice, now-a-days. It is not only businesses that work with different types of material assets (banks, shopping centers, warehouses, workshops) but also a variety of public, commercial and non-profit organizations (business centers, schools, hospitals, state institutions, etc.) need to ensure the safety of property and visitors through video monitoring products and equipment.

Meanwhile, the surveillance industry offers gamut of products in the market for customers. As much as the

customer requires support in figuring out their precise need for security, similarly, acquiring trustable support for product installation and maintenance leaves customers often in a state of confusion. Many times, customers face hurdles if the surveillance product or equipment malfunctions or breaks down. Such problems arise due to cases of unchecked usage, mishandling or normal wear and tear.

When customers experience product breakdown, they are usually left with no option but to reach out to an anonymous local service provider. A local service person in the market often, lacks the professional knowledge of handling and fixing the product as per the manufacturing norms and installation standards, however, customers spend money without any assurance and do not receive required clarity on the product fixes. To handle these ambiguities of millions of customers, CP PLUS conceived the idea of XS (Xtra Service), a dedicated product servicing and installation support system to address diverse customer requirements combined to serve each

SERVICES OFFERED

Outdoor Installation Services

Indoor Installation Services

Commercial Installation Services

Residential Installation Services

CCTV Maintenance

Best in class Home CCTV installation Services.

customer with reliable maintenance services. Taking note of customer's concerns and analyzing the gaps of an under-regulated installations and maintenance market space, XS (Xtra Service) is built with customer-first approach. It provides a service commitment to fulfill all types of product installation and maintenance requirement, on which the customer can rely on. XS is also an on-demand service while customers can raise service request by dialing a dedicated assistance number to get doorstep assistance by a fully-trained technician. To make servicing and maintenance easier, faster and efficient, XS (Xtra Service) has been launched.

XS Advantage

XS (Xtra Service) has been devised to provide hassle-free assistance to customer during crucial situations through seamless experience. XS (Xtra Service) is packed with benefits and aims to remove ambiguities faced by customers pertaining to installation and maintenance demands.

Product maintenance and installation: We are offering best-in-class service with an experienced team of trained technicians, possessing product expertise in fulfilling various types of product maintenance and installations needs.

Commercial and residential coverage: Along with in-depth knowledge of handling products and equipment, our technicians can examine and deliver as per diverse installation needs, be it commercial and residential.

Licensed & fully-trained technicians: We ensure that our service technicians are licensed and fully-trained to provide flawless and personalized support to our customers.

At-your-doorstep service promise: XS (Xtra Service) has been conceptualized to give a personalized doorstep service experience. Our service technician will reach out to customers and understand their requirement to accordingly provide a service cum solution.

Free training: XS (Xtra Service) is also committed to provide free training for handling the products and equipment as per the manufacturing norms. We will also assist the customer in understanding the basic technicalities of the product.

To Book Your Appointment

✆ **8800 952 952**

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Attendance Management Solution (AMS)

Attendance Management
System on Cloud

CLOUD

LAN

Building efficiency and fostering productivity

Attendance Management Solution (AMS) is a cloud-based comprehensive organizational tool for both employees and employers. AMS offers centralized management of the employee data, working from across multiple locations in India. It has been developed to provides 100% transparency to both employer as well as the employees. AMS tool is available over the web platform and can be

downloaded as an application over the Android and iOS platform on the smartphones. The AMS has been developed to increase efficiency through centralized data management and streamline monitoring of employee attendance. It can seamlessly fit into every modern organization and support in handling the employee data as well as manage employer's role.

Employees can access a personalized dashboard on the AMS. It displays features such as employee's day-wise

attendance calendar, month-wise holiday list, notification board, employee birth anniversaries and update on the company policies. They can also manage their attendance, leaves, travel/ODs using AMS. Employers, on the other hand, can use the AMS for tracking mainly to check regularity, attendance and punctuality of the employees on a daily and monthly basis, 24/7 from anywhere. Consolidated data of all the employees containing attendance, leaves and conveyance details can also be viewed on the AMS. The attendance data can be collated into customized daily and monthly reports for the computation of employee salaries.

Following are some of the main benefits of the AMS which make it a premier organization facilitation tool.

- Cloud-based approach
- High-performance
- Fast and convenient
- Security and data privacy
- 24/7 availability
- Pay – Per user per month
- Automatic updates
- Access management (for Employee, Employer with 24/7 access)
- Report management (In-built reports, customized reports)
- Multi-channel customer and stakeholder communication
- Employee location tracking using GPS

AMS Features:

- Dashboard: Available with grid view and graphical representations for both the department heads and individual users.

- Shift Management: Allows to manage shift scheduling effectively and efficiently. Also, facilitates hassle-free planning and scheduling of employee shifts, thereby ensuring smooth process flow.

- Personal Data Management: Allows the authorized users to configure common organizational settings for features such as Overtime, Comp-off etc. as well as organization-specific features in a user-friendly manner.

- Over-Time Management: Allows to manage overtime settings such as capping the overtime hours allowed; and calculation factor for weekend and holiday overtime hours with ease. It also allows the approval authority to approve/reject/forward the overtime hours of an employee as per the company's policies.

- Multiple Branch Attendance: Define organizational hierarchy and categorizations - Company, Region, Branch, Department and so on. With this, multiple companies can be grouped for collective management of their organization hierarchy.

- Comp-off Management: Allows to set the minimum employee work hours for availing half/full day comp-offs in the leave master. The validity to avail the comp-off can also be set herein. Essentially, it assists in the management of comp-offs in an easy and organized manner.

- Device Management: Fits according to organization's business rules and provides configurable data collection mechanism from more than one database. It has an option for processing the real-time data from each terminal across the organization, including the remote locations. Configuration for the Biometric and Smartcard devices can be processed by mapping it with the entrances and punch types.

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- Leave Management: Enables employees to submit their leave application or permission request to authorized personnel such as the HR or the Department Manager, who can either approve or disapprove the application based on the predefined eligibility criteria.

- Employee Management: Enables HR manager to create and manage an employee's personal and official details in an efficient manner. Specific leave

- Calendar: The Calendar works like a planner, facilitating easy viewing and management of attendance and leave details.

- Flexi Mode Option: Flexible shift timings can be allocated to specific employees or the whole organization to calculate time and attendance based on the allotted shift timings. Working hours can then be calculated based on the difference between the in and out time of the employees.

policies can also be assigned to employees easily. HR managers can also track employee history details using Employee History report.

- Privilege Management: Allows the authorized user to set configuration in user group for managing Leave Application, Permission Application, and On-Duty Application validity period for individual employees.

- Holiday Management: Enables mapping of Global Holidays and Restricted Holidays that can be availed on approval. Global And Restricted Holidays can be categorized allowing employees and management to select regional holidays for each employee and as per the category (Company/Branch/Department).

- Responsive User Interface: Designed as a highly efficient user-friendly tool with a rich UI and enhanced browser compatibility.

- Attendance Reports: Get comprehensive employee data in the forms of reports displaying all the details of each individual employee on a daily and monthly basis.

- Application Settings: Manage configuration settings including General, Overtime, Comp off, Report Configuration, Approval Configuration, Mail Configuration and My Preferences into a single menu for easy access.

H.265+ Selection
Your Intelligent Upgrade to Future.

Bandwidth

8mbps

1mbps
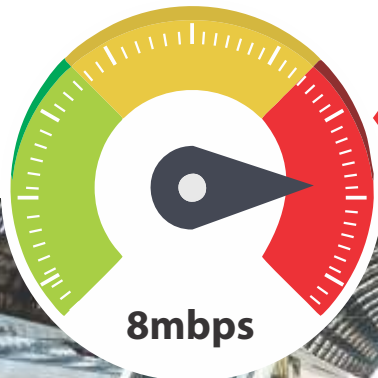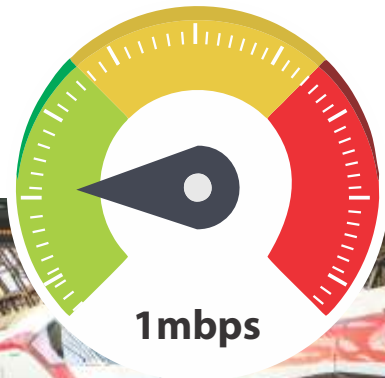
| H.264 | VS | H.265+ |

Features

Lower Band Width & Storage

Reduce Server Resources

Low Power Consumption

Save Overall Project Cost

H.265+: Reinterpreting Efficient Video Encoding

H.265+ is a video compression standard and enables high efficiency video coding through video compression in security cameras. H.265+ compression reduces a file size in comparison with its preceding video coding technologies. It provides better visual quality through - Prediction encoding, noise suppression, and flexible bitrate control, augmenting efficiency of the application/ installation.

H.265+ video coding works to give best imagery and maximum file size compression, curbing storage issues. A video consists of video frames, which is encoded and compressed using H.265+(HVEC) to create a compressed video bitstream. Each video frame is then broken into block of pixels and these blocks with their frames are analyzed and encoded via motion vectors which predicts quality of the block in the next frame; remaining video information is encoded

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H.265+ Smart Codec Works on

- **Dynamic Region of Interest (ROI)**
- **Scene Adaptive encoding Strategy**
- **Noise Reduction**
- **Dynamic Group of Picture (GOP)**

Upto
90%
Bandwidth & Storage Saving

VS

H.264   **H.265+**
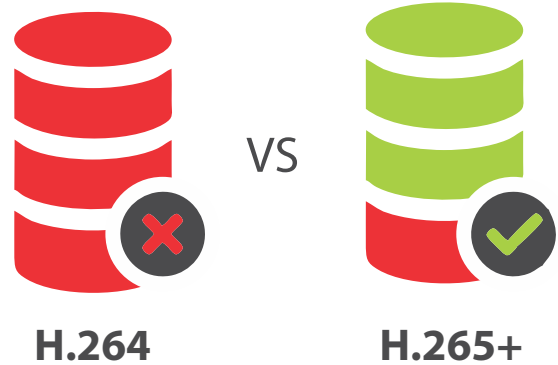
through binary compression without compromising on image quality and significantly reducing the file size.

H.265+ compression standard compresses images and videos from their raw form to a smaller format as they become lighter for storage, thus more data can be saved on the device. H.265+ technology allows compression helps reduce the storage and bandwidth usage by 50%. It works to expand on the efficiencies of the H.264 compression standard and generates the highest-quality images in the smallest video file possible. This technology makes video coding more efficient, lowers infrastructure costs and makes high-resolution surveillance systems more affordable.

CP PLUS H.265+ Technology

CP PLUS H.265+ DVRs feature an additional port for an IP camera that can be integrated into an existing analog framework. The H.265 powered IP cameras and NVRs, on the other hand, are equipped with the latest CODEC, H.265, also known as High Efficiency Video Coding (HEVC). Aimed at the next generation 4K recording and displays, the H.265 CODEC technology will double the data compression ratio as compared to the earlier H.264 at the same level of video quality, thereby doubling the bandwidth and storage savings. This range includes 2MP, 3MP, and 4MP IP cameras and 4, 8, 16, and 32 channel NVRs in 1 SATA and 2 SATA storage capacities.

Advantages

CP PLUS product range powered by H.265+ improves bandwidth usage and storage benefits, while it heightens image capturing for HD and ultra-HD resolutions. Besides high-performance capabilities, there are several advantages associated with the usage of H.265+ video encoding technology:

- Better image transmission for accurate object identification for integrated video content analytics in AI-based security applications.

- Better functioning with ability to handle increased load of cameras; amplifying overall efficiency of the surveillance mechanism.

- Effective usage of bandwidth and storage makes upgrading to 4k video recording and accommodating multiple installations.

- Lower infrastructural costs and usage of additional resources for storing video feed, turns the surveillance structure high performing.

H.265+ For Upgrading to 4K Video Capturing

With ever-increasing need to deliver accurate video data, the security and surveillance domain has enhanced its potential by endorsing the latest advancements in imaging formats such as 4k, HD, ultra HD and other high-resolution imaging. Recognized as the benchmark in CCTV technology, 4K delivers maximum clarity, accuracy and detailing in the videos and images. 4K or 8MP security cameras has high performance image sensors and can capture videos at 3840X2160 pixels ensuring finest quality of images with flawless zooming and zero-distortion.

While HD and 4K provides better quality in imaging, requirement for storing data produced during the streaming is notably high and requires compression-efficiency without effecting the quality of images. For such scenarios, wherein, preceding H.264 video encoding standard offered limited capability to compress and supported only SD or HD resolutions image or video capturing, H.265+ emerged is a viable alternative. In comparison to its predecessors in video encoding standards, H.265+ supports advanced image capturing technology such as the 4K while using only half the bit rate of H.264.

So, for critical security installations such as in a centralized command control center for smart-city surveillance or Critical Infrastructure Protection (CIP), where, video data storage can become a challenge and lead to higher infrastructural costs. In such scenarios, 4k with H.265+ can act as a boon for promoting seamless operations and reducing storage costs. 4K video encoding with H.265+ technology turns video streaming efficient and easier for download. This technology combination can be regarded as modern-age imperative for high-capacity security installations. Amid latest hardware technology advancements, 4k with H.265+ holds the potential to give a major to push security industry by making solutions more agile and adaptable for clients across market verticals and throughout for their existing apparatus.

New H.265+ CP PLUS RANGE
YOUR INTELLIGENT CHOICE

| IP Camera | NVRs | DVRs |

interface

Making in India
State-of-Art

Indigenous CP PLUS Manufacturing Facility at Tirupati

Jitendra Trikha

Head –Purchase & Production
CP PLUS

CP PLUS is recognized for its distinguished presence owing to the quality of its wide range of products in the surveillance market. We have state-of-the-art product manufacturing facility, located in Chitoor near Tirupati, Andhra Pradesh, Southern India. Presently, the facility is spread across a massive 1,50,000 sq. ft. of area and has manufacturing capacity of producing 10 lakh cameras per month and more than 4 lakh DVRs per month. The manufacturing facility is well-equipped with latest and high-end SMT lines. This facility also has its own RDSO certified R&D and testing center - Teknologix Lab. Many other developments are on the cards as we plan to expand the infrastructure and escalate production capacity, streamline operations to generate more employment opportunities and actively contribute in building a progressive society.

The manufacturing facility has been operational for over 2 years and was set up under the 'Make in India' initiative launched by Honorable Prime Minister of India, Mr. Narendra Modi to encourage and promote the adoption of indigenous manufacturing. CP PLUS has been working on the cause since then and has significantly contributed in accelerating job creation in the security sector. The facility has been successfully producing internationally compliant surveillance cameras and recorders using world-class technology methods applied post an in-depth product research and development. The facility has its own RDSO certified R&D and Testing Center - TeknoLogix Lab, to facilitate advanced development methodologies and ensure stringent quality standards. With over 1000 people employed at the facility, the plant is currently producing a capacity of 8 – 10 lakh cameras per month, which will be stepped up to 18 – 20 lakh per month. By boosting the production further under the initiative, CP PLUS aims to touch highest peaks as the market leader and serve the nation with equal enthusiasm and create sufficient employment opportunities for the masses of the country.

In-house R&D team
pro-actively caters to the dynamic market demands

From adopting complex procedures to innovating new products according to the customer demand and market trends, R&D fuels future growth and helps in maintaining relevance of the product in the market. It is the single most crucial element in the manufacturing of state-of-the-art products as well as in the designing of pioneering industry solutions.

With strong R&D capabilities, CP PLUS, a leading global manufacturer of advanced security and surveillance solutions has been making solutions for diverse market verticals for over a decade with a presence in over 60 countries across the globe. Covering millions of locations and touching billions of lives across India, CP PLUS products and solutions have been instrumental in securing highly sensitive defense locations, government buildings, hotels, hospitals, educational institutes and even homes through sheer capabilities of innovating cutting-edge products and designing futuristic solutions for its diversified clientele.

Backed by intelligent use of security, market expertise, robust infrastructure and world-class production management, CP PLUS R&D team has been churning out gamut of products & integrated solutions by applying various advanced methodologies and tools to create seamless product experiences for diverse customer segments in the security market. From first-level research to applied research procedures, development of CP PLUS products passes through multiple layers of material screening, production methods and evaluation

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procedures. CP PLUS performs R&D procedures in the manufacturing of new products while focuses in upgrading the product lines to cater to the market demands. Each CP PLUS product is exclusively designed at the TeknoLogix Labs and manufactured in well-equipped and high-capacity manufacturing facilities. All CP PLUS products undergo stringent quality tests to meet international quality standards such as UL, CE, FCC, etc. Conformity to these quality standards ensures that the CP PLUS products meets all the safety, quality and legal requirements applicable according to the directive authority of the quality standard evaluator and are fit to be traded in the consumer market.

Additionally, with the new-age technologies like - Artificial Intelligence, Deep Learning

range of IP cameras with features like Automatic Number Plate Recognition, People Recognition, Facial Recognition/Detection, Starlight Technology for Low-Light conditions, have been successfully securing a number of locations in India, are also combined with integrated software platform for increased solution efficacy and better value for money for the customers. CP PLUS offers a versatile range of DVRs

Algorithms, Cloud Access, and Video Content Analytics in the global business horizon, the surveillance sector has led to the rise of highly innovative, competitive and customer-centered solutions for businesses. Amid the significant market shift, CP PLUS has been tactfully offering all-inclusive innovative range of IP cameras, HD range, recorders, intrusion alarms, home automation, video walls, multi apartments video door phones, storage servers, encoders, time & attendance solutions, digital locks and accessories with unique features, which can be integrated successfully for end-to-end security solutions. We are taking giants strides to offer tailor-made and integrated solutions for the increasing customer base. For instance, our products such as latest

supporting beyond 2MP resolutions, like 4MP, 4K, etc. NVRs, on the other hand, have become smarter, offering features like 4K support, smart analytics search, H.265 codec, iSCSI, RAID, Failover, helping us garner billions of satisfied customers through the country. Every day, our extensive R&D procedures and a large team of dedicated and skilled employees are enabling us to combine various methodologies with cutting-edge products that surpass the market dynamics and evolving customer demands for maximum utilization of resources in the betterment of the society.

To know more about our latest product range, visit us at: www.cpplusworld.com

Team Speaks

Mohammed Ilyas

Chief Technical Officer
CP PLUS

In a fast pace industry, technology has a key role to play . It is utmost importance for all the stakeholders to stay relevant with a latest trends & the solutions. Our R&D cell at CP PLUS teknologix lab is consistently evolving to live up to your expectation. CP PLUS HMS/ AMS are some of the solutions in this direction to drive home regular Upkey & maintenance of CCTV systems. Very soon you can expect the array of solutions from CP PLUS catering to the different vertical customers giving you ease of integration & customer service. We are committed to bring you the value added & innovative solutions to create a big difference, with our Indigenous Made In India products & solutions.

Kamal Gautam

Head - Services
CP PLUS

Customers are the epicenter when we are conceptualizing a service. For us, creating and upgrading our services while keeping customer's convenience and the TAT (turnaround time) takes the top priority. Not merely from service viewpoint, we cater to our customers from a broader perspective, and focus on providing end-to-end benefit. We have introduced customer-centric offerings like the RMA Portal for our partners, Zoom Van - The Pick and Drop facility in major cities for customers, and Speedo - 24-hour Resolution Service Program to assist and engage customers, so that they can inch closer to our brand. Additionally, we have 50+ service centres across India, which is a "industry-first" in itself. At each step, we are carefully analyzing the needs of our customers and making sure to provide them with unique and reliable experiences.

interface

![logo] upar wala sab
dekh raha hai

Product Portfolio
The range that results from listening to the customer

Speed Dome

IP Camera

HD CCTV Camera

HD DVR / NVR

Mobile DVR

Digital Door Lock

Time & Attendance

Home Automation

Power Supply

Cable
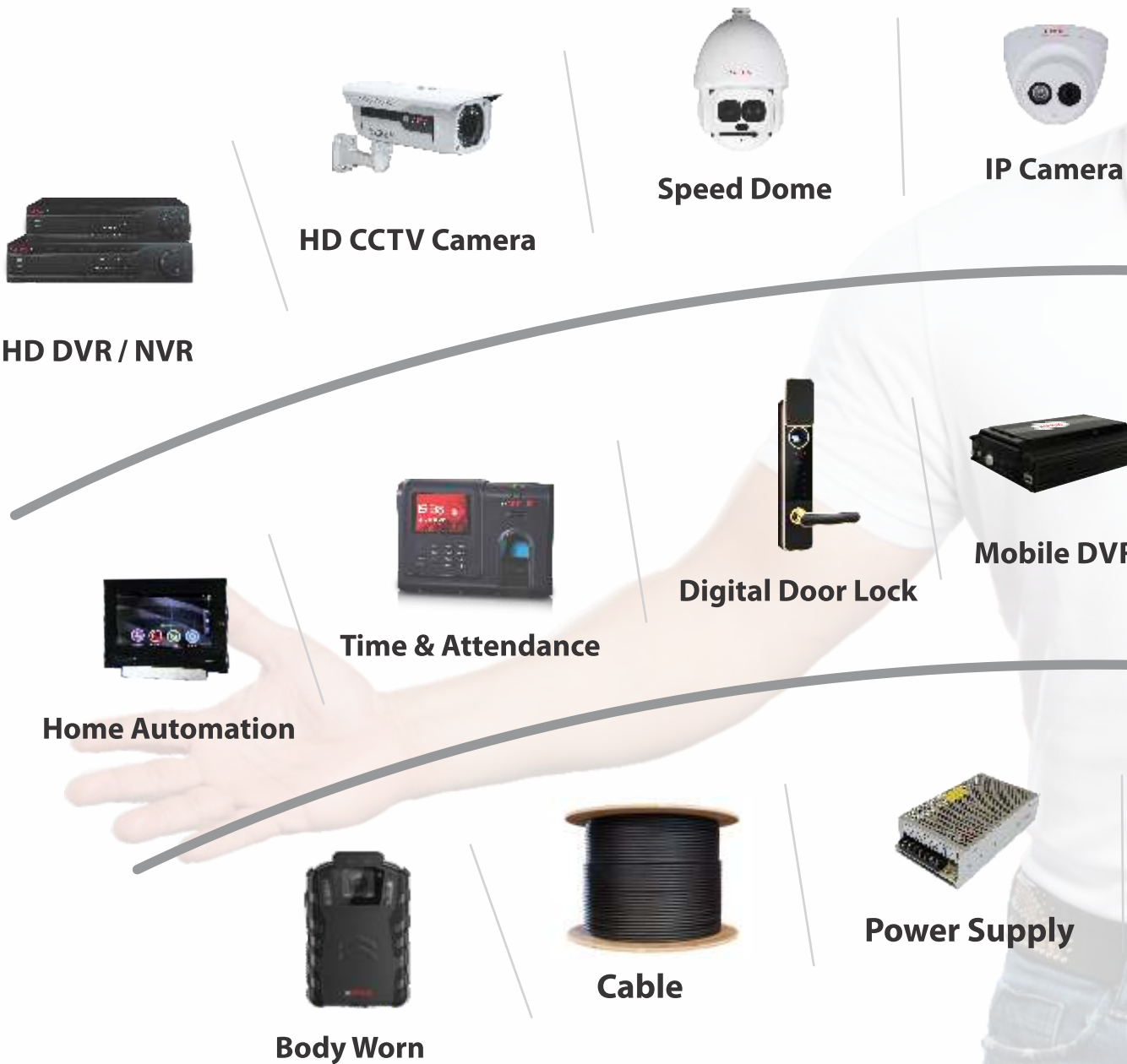
Body Worn

CCTV Camera | Recorders | VDP | T&A | Power sup
Lan Networking | Body Worn | Explosion-Proof Camera | Anti-C

Surveillance Software

Video Door Phone

Home Security Camera

Explosion-Proof Cameras

Anti-Corrosion Cameras

Thermal Camera

R

Kids Tracker

Dash Cam

POE Switches

pplies | PoE Switch | Cable | HDD | Display Devices
orrosion Camera | Thermal Camera | Kids Tracker | Dash Cam

CP PLUS Guard+ Colorful View in Dark

Full Color HD Camera
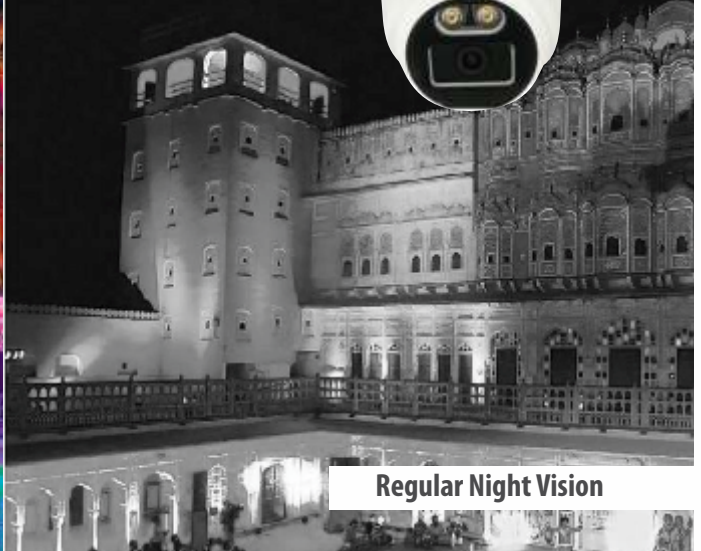
Regular Night Vision

CP PLUS
GUARD+
SERIES

Guard+ camera series has been developed to give colourful view in the darkest environments. The cameras in the series features 2.4 MP resolution; 3.6 mm lens; Starlight support; 2-piece Warm LED; 10m range with 110°detecting angle; True WDR (Wide dynamic range) support for enhanced quality of still imagery. Guard+ offers Smart IR (Infra-red) with distance of 30 meters, thus ensuring widest coverage and expanding the scope of active deterrence to unnerve intruders and curb the occurrence of any untoward incidence.

Guard+ series cameras are available in different size and technical variations - WDR IR Dome, WDR IR Bullet IR Bullet, PIR Eyeball, PIR Bullet, PIR Eyeball, PIR Bullet and Active deterrence Bullet.

CP-GPC-D24L2-DS
WDR IR Dome (Metal eye ball + Plastic body)

· 2.4MP Resolution
· 3.6mm Lens
· 2pcs Warm LED
· IR Distance of 20 Mtr.
. Starlight & True WDR Supported

CP-GPC-T24PL2-DS
WDR IR Bullet IR Bullet (Metal-Front + Plastic body)

· 2.4MP Resolution
· 3.6mm Lens
· 2pcs Warm LED
· IR Distance of 20 Mtr.
. Starlight & True WDR Supported

inter**face**

CP-GPC-DA20L2-M
PIR Bullet

· 2MP Resolution
. 10m/110°detecting range/angle
· 2.8mm/3.6mm Lens
· Smart IR
· IR Distance of 20 Mtr.

CP-GPC-TA20L2-M
PIR Bullet

· 2MP Resolution
. 10m/110°detecting range/angle
· 2.8mm/3.6mm Lens
· Smart IR
· IR Distance of 20 Mtr.

CP-GPC-DA20L2-ME
PIR Eyeball

· 2MP Resolution
. 10m/110°detecting range/angle
· 2.8mm/3.6mm Lens
· Smart IR
· IR Distance of 20 Mtr.

CP-GPC-TA20L2-ME
PIR Bullet

· 2MP Resolution
. 10m/110°detecting range/angle
· 2.8mm/3.6mm Lens
· Smart IR
· IR Distance of 20 Mtr.

CP-GPC-TA20L2S-ME
Active deterrance Bullet

· 2MP Resolution
. 10m/110°detecting range/angle
. Active deterrence with white light & siren
· 2.8mm/3.6mm Lens
· Smart IR
· IR Distance of 20 Mtr.

and many more...

interface

CP PLUS Starlight Technology

Without Starlight Technology

With Starlight Technology
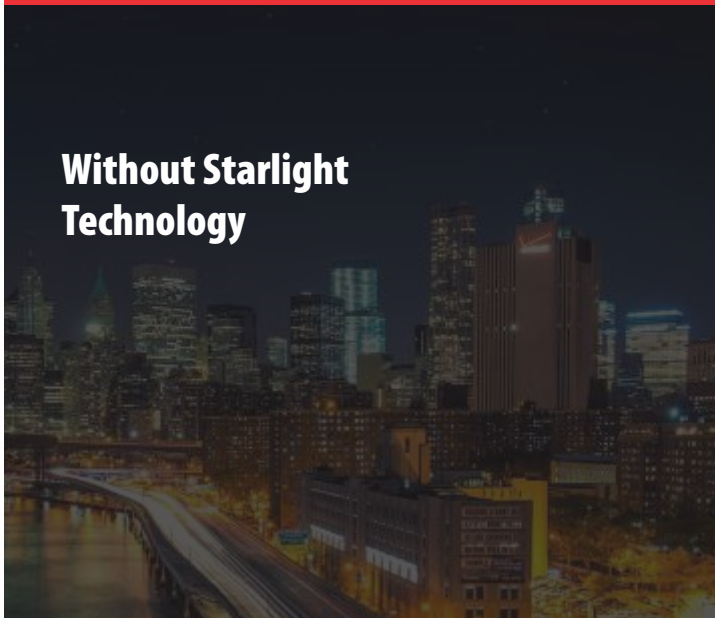
Surveillance can be an upheaval task in places where different types of light conditions prevail such as insufficiently-lit parking spaces, hotel lobbies, corridors etc. CP PLUS offers products well-equipped to handle challenging low-light applications with Starlight Ultra-low Light Technology. This technology offers best-in-class light sensitivity, capturing colour details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Powerful 45x optical zoom	Starlight Technology	Support PoE+	IR distance up to 550m	Smart Compression 90% Storage Saving	Support IP 67

CP PLUS Starlight Product Range

CP-UNP-F4521L25-DAP
2MP 45x Starlight IR PTZ Network Camera

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 45x optical zoom
- Starlight technology
- Max. 50/60fps@1080P
- Auto-tracking and IVS
- IR distance up to 250m
- Support PoE+
- IP67, IK10

CP-UNP-D1221L10-DP
2MP 12x Starlight IR PTZ Network Camera

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 12x optical zoom
- Starlight technology
- Max.25/30fps@1080P
- IVS smart analytics
- Support PoE+
- IR distance up to 100m
- IP66

CP-UNP-F2521L20-DAP
2MP 25x Starlight IR PTZ HDCVI Camera

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 25x optical zoom
- Starlight technology
- 120dB true WDR, 3D DNR
- Max. 25/30fps@1080P
- IR distance up to 200m
- IP67, IK10

CP-UNP-F4521L30-DAP
2MP 45x Starlight IR PTZ Network Camera

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 45x optical zoom
- Max. 50/60fps@1080P
- Auto tracking and IVS
- Support Hi-PoE
- IR distance up to 300m
- IP67

and many more...

interface

CP PLUS Network Camera with Artificial Intelligence

ANPR CAMERA

• LPR : Global areas with deep learning LPR algorithms
• Vehicle data structuring
• H.265, dual video streams, build-in IR light
• 2.7~13.5mm Motorized lens
• Detection distance:3-8m, cover 1 lane

3D PEOPLE COUNTING CAMERA

• 1/2.8" 2x3M SONY CMOS, ICR,WDR(120dB)
• H.265+/H.265/H.264+/H.264,3MP(1~30fps)
• IR 30M,Alarm2/2,Audio1/1,Micro SD,IP67
• 2.8mm 3.6mm Lens
• DC12V/PoE
• People counting

interface

FACE RECOGNITION

VANDAL DOME IR CAMERA - FR

• 1/1.9" 2M SONY CMOS,ICR,WDR(120dB)
• H.265+/H.265/H.264+/H.264,1080P(1~60fps)
• -Z4:8-32mm 4X zoom lens
• IR 100M,Alarm1/1,Audio1/1,Micro SD,IP67,IK10
• AC24V/DC12V/PoE
• Starlight,Video anlysis feature supported
• Deep learning Face detection

LONG IR RANGE BULLET CAMERA - FR

• 1/1.9" 2M SONY CMOS,ICR,WDR(120dB)
• H.265+/H.265/H.264+/H.264,1080P(1~60fps)
• -Z20:6.7-134mm Zoom lens
• White LED 80M,Alarm3/2,Audio1/1,RS485,BNC,Micro SD,IP67
• DC12V/PoE
• Starlight,Video anlysis feature supported
• Deep learning face recognition

BOX CAMERA - FR

• 1/1.9" 2M SONY CMOS, ICR,WDR (120dB)
• H.265+/H.265/H.264+/H.264,1080P(1~60fps)
• CS mount, ABF
• Alarm2/2,Audio2/1,Built-in Mic,Micro SD
• AC24V/DC12V/PoE
• Starlight,Video anlysis feature supported
• Deep learning Face Recognition

and many more...

inter**face**

CP PLUS PoE SWITCHES

PoE Switches USP.

| One key to extend PoE distance to 250mtrs | 6kv Surge Protection | High Level of Reliability | Best Design for Powered Devices | Low cost of Installation | Easy to Use |

CP PLUS surveillance PoE/ PoE+ switches have been designed keeping in mind the needs & challenges of video surveillance. Considering video surveillance entails transmission of heavy network packets 24x7 and long-distance communication, CP PLUS has introduced specially designed network surveillance PoE switches that facilitate smooth deployment of video surveillance systems. In fact, some CP PLUS surveillance PoE switches offer advanced CCTV mode, using which transmission distance can be boosted from 90m to 250m.

CP PLUS surveillance PoE switches are IEEE 802.3 af/at compliant and offer a host of advantages, namely reduced cabling costs, reduced installation costs, and reduced points of failure. They also serve as an uplink port (Ethernet/ SFP) to service a backbone design. Available in 9 variants, CP PLUS PoE switches meet a wide range of project requirements ranging from SOHO to enterprise solutions. These switches not only cater to security & surveillance, but also wireless access points, VoIP phones, etc.

FAST ETHERNET

6 PORTS

CP-DNW-HP4H2-6
6 Port Fast Ethernet Switch with 4 PoE & 2 Uplink Ports

Features:
- 4, 10/100Mbps; RJ45 ports; Max. 30W Output of Single PoE Port
- Support IEEE802.3/802.3u/802.3ab/802.3z/802.3x
- 2, 100Mbps; Transmission Distance: 0-100m
- Switch Capacity 1.6Gbps
- Transmission Distance- Default: 0-100/250M (the extend distance is adjusted by the code switch)
- Surge Protection 6KV
- ESD Protection - Contact Discharge 6KV / Air Discharge Level 8KV
- Built-in Power Supply

FAST ETHERNET

10 PORTS

CP-DNW-HP8H2-10
10 Port Fast Ethernet Switch With 8 PoE & 2 Uplink Ports

Features:
- 8, 10/100Mbps; RJ45 ports; Max. 30W Output of Single PoE Port
- Support IEEE802.3/802.3u/802.3ab/802.3z/802.3x
- 2, 10/100Mbps; Transmission Distance: 0-100m
- Switch Capacity 2.0Gbps
- Transmission Distance- Default: 0-100/250M (the extend distance is adjusted by the code switch)
- Surge Protection 6KV
- ESD Protection - Contact Discharge 6KV / Air Discharge Level 8KV
- Built-in Power Supply

FAST ETHERNET

10 PORTS

With 2 Gigabit up-Link

CP-DNW-HP8G2-10
10 Port Fast Ethernet Switch With 8 PoE & 2 Uplink Ports

Features:
- 8, 10/100Mbps; RJ45 ports; Max. 30W Output of Single PoE Port
- Support IEEE802.3/802.3u/802.3ab/802.3x
- 2, 10/100/1000Mbps; Transmission Distance:0-100m
- Switch Capacity 2.6Gbps
- Transmission Distance- Default: 0-100/250M (the extend distance is adjusted by the code switch)
- Surge Protection 6KV
- ESD Protection - Contact Discharge 6KV / Air Discharge Level 8KV
- Built-in Power Supply

FAST ETHERNET

18 PORTS

With 2 Gigabit up-Link

CP-DNW-HP16G2-20
18 Port Fast Ethernet Switch with 16 PoE & 2 Uplink Port

Features:
- 16, 10/100Mbps; RJ45 ports; Max. 30W Output of Single PoE Port
- Support IEEE802.3/802.3u/802.3ab/802.3x
- 2, 10/100/1000Mbps; Transmission Distance:0-100m
- Switch Capacity 7.2Gbps
- Transmission Distance- Default: 0-100/250M (the extend distance is adjusted by the code switch)
- Surge Protection 6KV
- ESD Protection - Contact Discharge 6KV / Air Discharge Level 8KV
- Built-in Power Supply

and many more...

interface

CP PLUS DVR Racks

Introducing

CP PLUS
DVR Rack
(Wall / Floor Mount)

CP PLUS DVR walls / floor mount are specially designed for CCTV surveillance.

Construction: Welded

Front Door: Lockable Toughened

Side Panels: Integrated with Top & Bottom

Static Load: 15 KG

Standard finish: Powder coated with 7 Tank pre-treatment processes.

CP PLUS DVR racks accommodate the Digital Video Recorder (DVR) and provides ease of usage and protection for heightened performance. CP PLUS offers Wall Mount Racks and Floor Mount Racks for the DVRs available in CP PLUS Wall Mount Racks are 2U, 4U, 6U, 9U & 15U with accessories (1U Cable Manager, Centi Lever Tray, 3/6 Socket PDU, Fans). CP PLUS Floor Mount Racks are available in 24U & 42U with accessories (1U Cable Manager, Centi Lever Tray, 3/6 Socket PDU, Fans).

DVR Rack - Size 4U

DVR Rack - Size 2U

DVR Rack - Size 4U

DVR Rack - Size 2U

interface

upar wala sab
dekh raha hai

CP PLUS
Intelligent Security Systems

🛒 **RETAIL**
SECURITY SOLUTION

BRINGING EFFICIENCY FOR EVERY BUSINESS

Powered by
ARTIFICIAL INTELLIGENCE

Store Area

Office Area

Parking Lot

Cash Counter

Entrance area

Floor Area

K E Y   F E A T U R E S

👥 People Counting

👥 Customer Management

🖥️ Seamless PoS Integration

📡 Multi Sensor Integration

📢 Promotion Announcements

🌡️ Support Heat Map Analytics

📊 Business Intelligence Reports

👥 Face Recognition & Attributes

📊 Smart Business Analysis Software

CP PLUS Secures The Kumbh Mela 2019

Raises the bar by securing massive 39 sq. km area of Kumbh Mela with meticulous combination of latest surveillance solutions

The Background

World's largest spiritual gathering - Kumbh Mela, is a highly revered religious event for the Hindu sages and ascetics, displaying uniqueness of the Hindu tradition, culture and historical significance. One of the most crowded and incredibly exclusive religious celebrations, the Kumbh Mela showcases India's 'Civilizational Continuity' and demonstrates the richness of its thousand-of-years-old culture.

Millions of pilgrims' flock to the holy cities to take a holy dip in the river water originating from Haridwar, touching Ujjain, Nashik, and merging in confluence at Prayagraj. For such a mega event, a massive 39 sq. km of area was turned into a temporary city by 20,000 construction workers providing shelters to lakhs of pilgrims, sages and ascetics. The whole area had an arrangement of 1 lakh makeshift urinals, 20,000 sanitation workers in service, and shelter-facilities

brightened by 40,000 LED lights. Managing an expansive area and ensuring safety and security of people in lakhs, was a humongous task. The authorities were planning to implement several security measures considering the area, number of pilgrims, vulnerable spots and methods of security arrangements.

Challenges Faced

Safe pilgrim movement, crowd monitoring, incident management, and seamless pilgrim dispersals were some of the key challenges. Concurrently, coordination between 4 Police Lines with 40 Police Thanas, 3 Mahila Thanas, 62 Police Outposts, Jal Police with 3 Units along the river stretch, and 1 Mounted Police Line was required to be managed. Preventing mishap or stampede-like situation was a critical aspect, that required cutting-edge monitoring solutions.

Solution by CP PLUS

Collaborating with the UP Police during 2019, CP PLUS installed large number of CCTV cameras covering 268 vulnerable locations of the expansive 39 sq. kms of area. An Integrated Command and Control Centre (ICCC) was set up, which included sub-command and control centres with video monitoring cells and video wall cubes, well-connected to the CCTV cameras throughout the area. The integrated ICCC helped in the monitoring of crowd activities, provided round the clock surveillance of the entire expanse, and effectively prevented any unfortunate

interface

incident from taking place. The ICCC unit was manned by 120 monitoring operators and 30 call centre operators, making the execution of this mammoth-size. In addition to this, CP PLUS meticulously combined some of the latest surveillance solutions for the event:

- Video Analytics and Real-Time Video Analysis for Crowd Management

- Real-time detection and alert algorithm for overcrowded spaces

- Automatic Number Plate Recognition (ANPR) System for parking sites

- Vehicle detection by colour along with vehicle search by vehicle colour/license plate and date time combinations

- Variable Message Display (VMD) Boards

- Real-time information dissemination containing warnings, traffic advice, route guidance and emergency messages

- Text and graphic based messages display

- Integrated Traffic Management System

The Impact

Thousands of Police personnel were on-guard for more than 20 days for the event. Entire expanse of the Kumbh Mela was secured by state-of-the-art solutions by CP PLUS helping the authorities with live feeds of crowd movement at vulnerable spots, early-alarm system to prevent incidents from severe, and also provided complete control through remote monitoring to the Police personnel.

Mr. O.P Singh, Director General - UP Police applauded the planning by quoting, **"We employed all kinds of modern surveillance technologies to make this Kumbh Mela a huge success. Simultaneously, the combination of latest surveillance tech and deployment of forces effectively acted in the prevention of mischievous acts and criminal or unpleasant incidents in the fair. For us, it was crucial to maintain safety of the people in the vulnerable spots without intervening with the fair rituals. We received tremendous support from the surveillance teams who helped us in the monitoring of such a massive crowd."**

CP PLUS Secures Primary Schools of SDMC

(South Delhi Municipal Corporation)
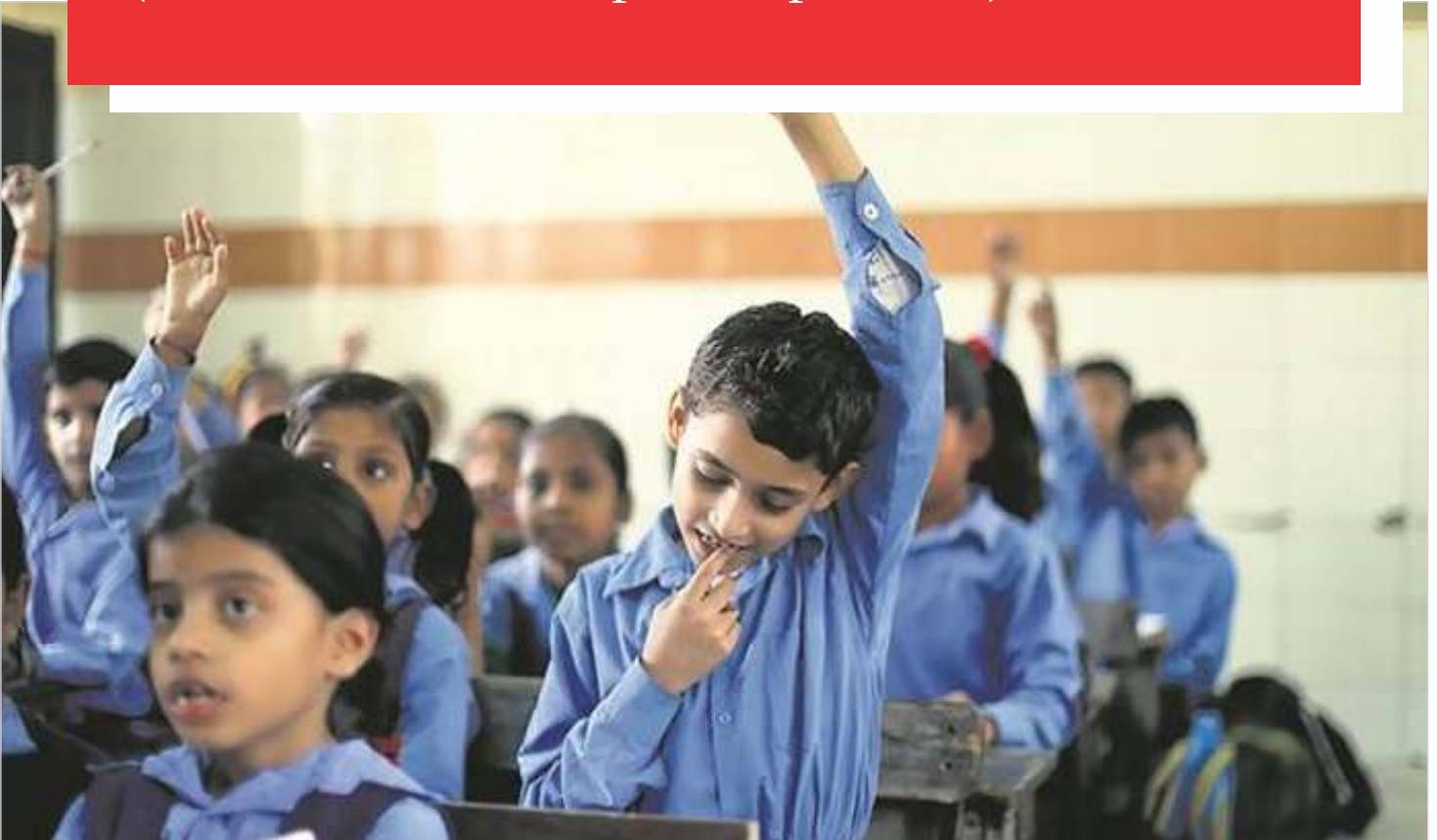
Secures 728 plus SDMC primary schools across Delhi with advanced surveillance technology and once again, delivers cutting edge security solution.

The Background

Future of a society begins with the safety and security of its children. To ensure a safe and secure educational environment for the school going children, SDMC (South Delhi Municipal Corporation) was aiming to erect a dependable security infrastructure in its 334 primary schools across New Delhi.

Following this objective, SDMC mooted a project to

interface

authorities planned to raise a well-structured security mechanism and activated a structured surveillance regimen in around 300 plus primary schools across Delhi.

Solution by CP PLUS

CP PLUS, known for its state-of-the-art surveillance solutions, customer-centricity, and reliability since more than a decade, emerged as a trustworthy partner for this project. Realizing the criticality of the SDMC project, CP PLUS was up for action. CP PLUS team ensured not only better product solutions but also gave unmatchable support and superior quality of service in the supply of the required number of surveillance equipment and peripherals.

procure the latest security and surveillance equipment and establish a surveillance regimen. This project required the supply, installation, commissioning and maintenance of CCTV surveillance cameras for on-premise safety and protection of the school students and effective monitoring of the teaching as well non-teaching staff. CP PLUS, the undisputed leader in Advanced Security and Surveillance solutions in India, proposed a comprehensive list of surveillance solutions for this righteous cause and eventually, partnered with SDMC to extend its security cover in the 728 plus SDMC primary schools in Delhi.

Challenges Faced

Security remains a critical aspect for the schools and educational institutions. Ensuring on-premise safety of school children becomes the prime responsibility of the school administration; while in the SDMC primary schools, presence of minors significantly raised the level of vulnerability on ground. Surveillance and monitoring were prime necessities in the deterrence of all types of mischievous or unusual behavior, tracking of suspicious internal activities and curtailing external threats such as acts of vandalism or violent terrorist attacks. Consequently, the school

A total number of 344 SDMC primary schools were covered under this project. Large quantity of 2 MP HD Cameras along with DVRs were commissioned and installed in the school premises. Main areas where the installation and commissioning of CP PLUS security and surveillance solutions was carried out were:

1. Principal's Office

2. Main Entrance Gate

3. All Corridors

4. Toilets Entrance

5. School Boundary Walls

The Impact

A critical aspect of security - **Remote Monitoring** was introduced into the existing school apparatus. Monitoring of the core areas in the school prepared the administration to act against several security concerns at the stage of detection; minimizing the risk of life-threatening scenarios for children. Threats which were downsized by scaling a robust surveillance mechanism were:

· Tracking of visitors through surveillance of the entrances.

· Monitoring of minor's safety via surveillance of the school corridors.

· Detection of mischievous/unusual/violent behavior or suspicious internal activities.

· Monitoring of non-teaching staff with surveillance cameras at the toilet entrances.

· External threats, intrusion detection with the surveillance of boundary walls.

The project was executed with precision and commissioning of all the surveillance equipment was complete within the timeline. The entire execution process of the CP PLUS team was lauded by the SDMC authorities. Regarding the support and quality of service delivered by CP PLUS for the project, Mr. J.L. Gupta, Education Director shared his words of praise - **"The project was quite elaborative and involved setting up of a surveillance mechanism in more than 300 SDMC schools. CP PLUS products and equipment fitted the project criteria very well. We received an excellent service delivery as well in the installation and commissioning of the security and surveillance equipment. A prompt execution was something we would like to express our gratitude for, and this project definitely raises our expectations from CP PLUS for future."**

interface

CP PLUS Secures Crown Plaza Greater Noida

Provides optimized surveillance products & equipment to address modern-age security challenges

The Background

Crown Plaza are renowned chain of hotels operating across the world. Managed and promoted by the IHG group (Intercontinental Hotel Group), Crown Plaza situated in Greater Noida is one of the finest hotels, known for providing matchless hospitality, comfort, and luxury to thousands of customers. In the hospitality sector, wherein, hospitality, service, modern amenities, location and security – contribute largely in building reputation, level of security infrastructure also holds crucial importance.

As a reputed brand name in hospitality sector for the NCR region, the Crown Plaza Greater Noida had a defined security structure in place; with both manned and unmanned security measures. The security team of the hotel, however was keen on stepping up the framework by installing latest surveillance products & equipment and wanted to loop in a trusted security solution partner.

Challenges Faced

When the hospitality sector is still waking up to modern-day challenges in this fast advancing world, security remains a key concern. On-premise guest safety, act of terrorism, prevention of criminal activities, uncalled emergencies, security breaches or trespassing - many compelling factors have pushed the market players in the hospitality sector to analyse the perceived as well as unperceived threats.

The security preparedness of the Crown Plaza Greater Noida became was critical for the responsible security team and ensuring the safety and security of the guests was quite a challenge without appropriate surveillance products. As a reason, designated security team from Crown Plaza planned to procure latest surveillance equipment that could address specific security need and cover related security attributes.

Solutions by CP PLUS

From the security perspective, deterrence is one of the key elements in consideration. In addition to this, identifying the complexities and reputation of the hotel in mind while planning a solution was inevitable.

Analyzing the criticalities involved, CP PLUS team not only carried out detailed planning before implementation but also offered a customized solution to the hotel. Elaborative commissioning of IP cameras, NVRs and related peripherals was required by the client. CP PLUS, the global leader in security and surveillance solutions, joined hands with the Crown Plaza in-house security team to provide cutting-edge security product and equipment with re-commissioning of several surveillance devices, on-premise.

The Impact

CP PLUS team completed the commissioning and installation of surveillance products, covering every aspect to fulfill client expectations, specifically pertaining to - On premise guest safety, monitoring of criminal activities, prevention of security breaches or trespassing etc.

Risk Manager, Ms. Jhumur Jha, lauded the execution and delivery by the CP PLUS team with her kind words, - **"We are happy to state that CP PLUS has successfully commissioned the CCTV installation as per the scope of work. We received full co-operation from the team during the project period which was as per the security standards, and stringently adhered by the group. During this project, we build a strong rapport with the entire team and we can honestly say that they are simply the experts in CCTV surveillance solutions. On behalf of the team Crown Plaza Greater Noida, I duly appreciate the cooperation, and their ability to deliver the project with expertise by synchronizing perfectly with all the staff members in the successful implementation of this project."**

interface

CP PLUS Secures Kidzania Entertainment City Noida

Integrates best-in-class products to manage an expansive spaces.

The Background

KidZania is an infotainment concept designed for children aged 1-14 years. It showcases an interactive city that combines inspiration, fun and learning through realistic role-play. Spread over 7,000 square meters, kids can independently explore more than a 100 exciting careers, the inner-workings of a city and

the concept of managing money. Each activity and experience is designed to empower and hone kids and give them the confidence to be their best selves, and inspire them to be great global citizens. The KidZania concept is already present in 24 cities across 19 countries, complete with paved roads, buildings, battery operated cars, and a fully functioning economy with its own currency.

Challenges Faced: When the KidZania management reached out to CP PLUS, they had two main concerns: firstly, considering the expanse of this theme park, it was challenging to watch and control activities of kids playing around, and secondly, video feed of the children's activity was to be provided to parents sitting in the lounge area. While the premise did have manned security, manually monitoring all corners of the expansive area was rendered ineffective.

Solutions By CP PLUS

After analyzing the requirements, the CP PLUS team conducted a detailed survey of the area with the system integrator for the project, Honeywell, to draw out a comprehensive plan for the campus. A

combination of state-of-the-art IP cameras and NVRs were chosen to address the unique needs of specific areas.

- To monitor the kid's activity areas, a combination of CP PLUS 1.3MP Dome and 1.3MP Varifocal Dome cameras were used that offer high resolution imagery with wide coverage and a visibility range of 30 meters. The footage from these cameras would be displayed on the lounge screens for guardians of children to see.

- The lanes and aisles were secured using the CP PLUS 1MP Vandal Dome cameras which support variable focal length thereby making them ideal for corridors and lanes. Additionally, these cameras are also vandal and tamper-proof.

- The entry and exit points and the outdoor would be covered by CP PLUS 1.3MP Bullet cameras, which offer high resolution imagery, WDR that automatically adjusts to varying light

conditions, and come with an IP66 rating making them ideal for outdoor environments.

- For the monitoring station/control room setup an embedded VMS solution has been provided,

interface

with a capacity to cater to 500 IP Cameras with 700Mbps incoming bandwidth and 700Mbps transmission bandwidth. The control room solution has been designed considering future needs such as scalability wherein 'n' number of devices can be added on to the existing server/client architecture, and a 'failover system' which allows switching over to an alternate system in case of a system failure, and more. It also provides an option to

integrate multiple solutions and analytical features such as people counting, face recognition any many more, access control, Fire alarm system etc.

• Additionally, as per the project's requirement of 30 days of recording, a NAS solution has been provided which easily configures with the DSS server and can be upgraded to increase the days of recording required by simply cascading more NAS servers to act as one NAS recorder.

Considering the nature of the setup CP PLUS

provided a solution that was scalable and easily upgraded whenever required. That's not all; it could be integrated with other allied systems to make the security cover more efficient.

The Impact

The solution provided by CP PLUS enabled the administration with a ready access to the all sections of the expansive area at a click of the mouse. It enhanced the overall safety and operational efficiency of the setup, while enabling guardians to keep an eye on their children.

Implemented over a span of 4 weeks, the solution was commended by the KidZania management, especially Mr. Yazdi Khambata, Facility Director - India, KidZania and he quoted, **"We decided to align with a security partner like CP PLUS for scaling up our security efforts and got pleasantly surprised by such an elaborative products and solutions. In an expansive facility like this to secure, we were expecting best in class surveillance solutions which were agile as well, and CP PLUS helped us in not only providing appropriate solutions but also in enhancing the existing security apparatus of the facility. We look forward to continuing this partnership."**

Following the successful implementation of this project, KidZania has been considering up-scaling of their existing security infrastructure with CP PLUS in other branches as well.
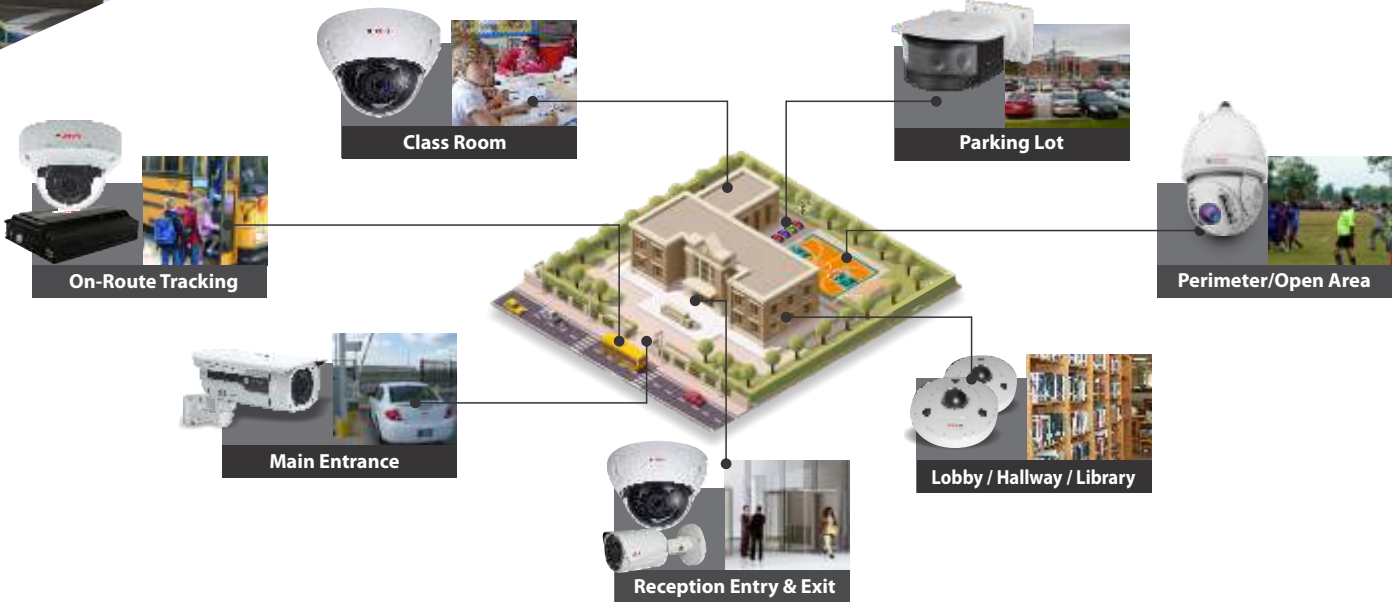
CP PLUS
Intelligent Security Systems

360

🎓 **CAMPUS** SECURITY SOLUTION

INTELLIGENT SURVEILLANCE FOR CAMPUS VERTICAL

Solution Overview

Class Room

Parking Lot

On-Route Tracking

Perimeter/Open Area

Main Entrance

Lobby / Hallway / Library

Reception Entry & Exit

K E Y   F E A T U R E S

- **High resolution cameras for 24/7 recording**
- **Periphery protection using IVS function**
- **Emergency/Panic buttons at critical areas**
- **Notifications to parents while boarding/deboarding**
- **Artificial Intelligence for identifications and logs of people**
- **PTZ cameras for open area and playground**
- **Restrictions of entries for unauthorized people**
- **Classroom lecture recording for knowledge sharing**

Glimpses of CP PLUS Mission-Tech

interface

CP PLUS at INTERSEC 2019

CP PLUS at Fonocom 2019

interface

CP PLUS at the Safe India Expo 2019

interface

Happy Birthday To Our Channel Partners

RK Electronics (Vijayawada) -Mr. Rahul Golcha

The Millenium System (Agra) -Mr. Amit Agarwal

Tech Exchange (Indore) -Mr. Nitin Jain

New Tele Mobile Service Point (Guntur)
-Mr. Shaik Rusum Samdhani

Shubham Computer (Dhule)
-Mr. Mayur Taneja

Tech Exchange (Indore)
-Mr. Nitin Jain

Hayat Computer & Security Solution
(Nagpur)
-Mr. Murtaza Hasan

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CP PLUS
Intelligent Security Systems

Customer First.
Always. Every time.

You can trust us to deliver exceptionally fast & effective service.

NEAR

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ZOOM
Pick and Drop Zoom service in Selected Cities

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SERVICE
24 Hours* Service Resolution

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