



SAFETY & SECURITY Solution

Smart IoTs | AI | Automation



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Introduction

Security and surveillance solutions are essential for safeguarding your society, workplace, school premises, or social spaces. Advanced video management software plays a crucial role in protecting lives from unexpected threats like fires or electrical malfunctions. These smart systems are designed to take corrective actions and prevent disasters.



Vision

To lead the technological revolution in safety and security, setting new global standards by seamlessly integrating advanced technology into daily life. We envision a future where our solutions redefine safety automation, making the world more connected, secure, and efficient.



Mission

To harness the power of cutting-edge technology to enhance safety, security, and convenience in everyday life. We are committed to delivering innovative AI/ML-powered solutions that proactively detect and mitigate threats, creating safer environments and protecting lives and property across industries.



Objective

Innovate continuously by developing and refining AI/ML-powered VMS and IoT-based solutions to lead in safety and security technology. Expand industry applications to ensure more sectors benefit from proactive threat detection and enhanced safety. Enhance product reliability by focusing on precision and efficiency in fire alarm and suppression systems. Achieve global reach by scaling our solutions, establishing Uchit Technology as a trusted leader.





Uchit Technology PVT.LTD



We specialize in AI/ML-powered video management software (VMS) that offers proactive threat detection and control, making it an invaluable tool across various industries. Our VMS detects unsafe acts and conditions such as PPE violations, fire hazards, and security threats, providing real-time alerts for swift action.

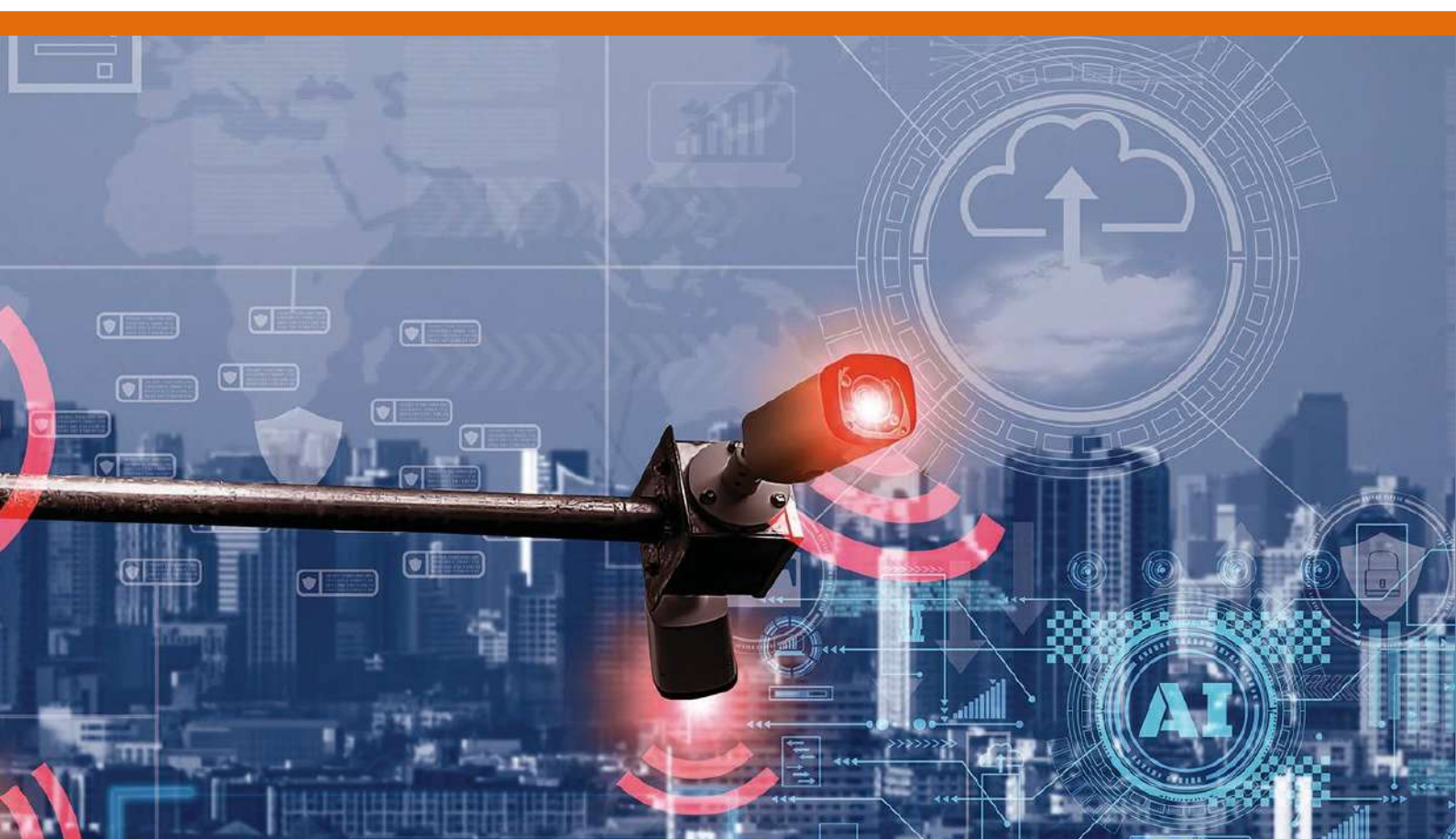
Our portfolio also includes advanced automatic fire alarm and suppression systems, designed for reliability and efficiency. Complementing these solutions is our AI-based camera module, engineered for rapid detection of fire and other potential dangers. With precise and early detection, our technology enables prompt responses, significantly reducing risks.

At Uchit Technology, we are committed to creating safer environments, protecting people, and preserving property through innovative technology that you can trust.

Our Expertise

Ai Base Smart CCTV System

In today's world, surveillance has evolved beyond simple video recording. At Uchit Technology, we leverage the power of Artificial Intelligence (AI) and Machine Learning (ML) to transform traditional CCTV systems into intelligent security solutions. Our smart security camera systems are designed with Internet of Things (IoT) capabilities to offer comprehensive surveillance and safety. By integrating advanced AI and ML algorithms, our systems can identify potential threats, recognize faces, and even predict unusual behavior. This ensures that you receive real-time alerts and can take proactive measures to protect your property and loved ones. With our technology, surveillance is not just about monitoring but also about enhancing overall security and peace of mind.



Our Solution



AI-enhanced cameras capture real-time, high-definition footage, detecting threats and unusual behavior. This proactive system integrates with traditional surveillance, enabling swift action and minimizing risks for secure environments.



AI-driven video analytics provide insights beyond security, tracking customer behavior in retail and monitoring crowd density in public spaces, enhancing efficiency, safety, and business intelligence for growth.



Advanced intrusion detection systems identify unauthorized access, alerting security instantly. With high accuracy and seamless integration, they ensure real-time monitoring and swift responses, providing comprehensive protection for sensitive areas



AI-powered cameras detect fire and smoke early, triggering timely alerts and automated responses like sprinklers. Advanced sensors distinguish real threats, ensuring rapid containment, minimizing damage, and safeguarding lives and property



AI-driven cameras monitor PPE use in industrial settings, ensuring compliance with regulations. Real-time alerts for violations enable swift corrective actions, enhancing safety, reducing accident risks, and maintaining regulatory compliance



Our AI applications offer facial recognition, behavior analysis, anomaly detection, and crowd management, enhancing security and providing actionable insights. These tools optimize operations, predict threats, and improve decision-making with real-time data.

Applications



Face Capture & Recognition

- ▶ Black list or VIP identification
- ▶ Access control & attendance
- ▶ Restricted zone monitoring,
- ▶ Forensic face Search



Multi Country LPR

- ▶ Captures & recognizes license plates
- ▶ Identifies vehicles for traffic violations
- ▶ Automates access control & actions



Crowd Management

- ▶ Crowd monitoring & management
- ▶ Crowding alert, live crowd count, crowd flow analysis & counter flow



Counting & Reporting

- ▶ Footfall statistics for business optimization
- ▶ Queue monitoring to improve queuing time



Traffic & Parking Management

- ▶ Effective traffic control and detection of illegal traffic behaviour at traffic intersection, highway & city roads

Applications



Multi Camera Tracking

- Tracks human beings or vehicles across multiple cameras using live video to trace the path travelled.



Smart Search

- Enables the user to search for Vehicles or Person based on attributes such as vehicle colour, number plate, colour of Shirt/Pants/Hat/Coat etc.



Intrusion Detection

- Detects entry of intruders into high security installations & sterile zones, protects compound perimeter



Suspicious Incidents

- Detects abnormal behavior
- Detects suspicious objects and activities



Video Smoke & Fire Detection

- Early warning of smoke and fire



Feature Set

SECURITY

Intrusion detection - Basic

- Tripwire
- Trespass
- Camera Tampering
- Tailgating detection
- Loitering detection

Intrusion Detection - Auto PTZ

- Continuous Auto PTZ
- PTZ Handoff
- PTZ Pre-set Position Analytics

Suspicious Incidence - Baggage

- Left Baggage Detection
- Missing Baggage Detection

TRAFFIC & PARKING MANAGEMENT

Intelligent Traffic Management

- Vehicle Counting
- Illegal Parking Detection
- Speeding Detection
- Wrong Way Detection
- Congestion Detection
- Red Light Violation Detection

Parking Management

- Parking Management(Availability)

License Plate Recognition

- License Plate Detection
- License Plate Recognition - Stop & Go
- License Plate Recognition - Free flow

ADVANCED SAFETY

Crowd Management

- Crowd Counting
- Crowding Detection
- Crowd Flow Detection

Advanced Safety- Smoke & Fire

- Video Dense Smoke/Fire Detection

FACIAL DETECTION & RECOGNITION

Face Detection

- Face Detection/Face Capture

Face Recognition

- Face Recognition/Verification

Viewership Analysis

- Face Counting
- Face Presence
- Face Frequency
- Heat Map
- Flow Map

ENHANCED MONITORING

Masking

- Face / Privacy Masking
- Object Masking

Multi camera tracking

- Tracking person or Vehicle across various cameras

Access Control

- Multi factor Authentication using FR & ANPR
- Using FR & ID card

SEARCH & ANALYSIS

- Smart Search Live VA
- Forensic and Analysis Search

BUSINESS/RETAIL INTELLIGENCE

- People Counting
- Queue Management
- Queue Count, Avg. waiting time, Avg. Service Time

ALLSAFE

- No Mask Detection
- Social Distancing
- People Counting
- Crowd Detection
- Contact Less Access Control using FR

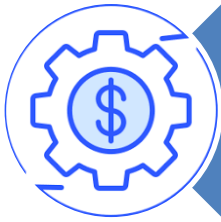
Benefits



Enhanced Safety



Operational Efficiency



Cost-Effective Integration



Scalability



Data-Driven Insights



Instant Alert

Fire Alarm Systems

Uchit Technology offers a comprehensive range of fire alarm solutions designed to meet the diverse needs of different environments. Our systems are engineered to provide reliable and early detection of fire hazards, ensuring the safety of occupants and minimizing property damage. Each product is built with cutting-edge technology, guaranteeing optimal performance and longevity. We provide tailored solutions for residential, commercial, and Industrial settings, ensuring that every unique requirement is met. Our expert team offers professional installation, maintenance, and support services to ensure that our systems function flawlessly. Trust Uchit Technology for all your fire safety needs, and experience unparalleled peace of mind.





Addressable fire alarm systems ensure precise fire event detection, enabling quick responses, reducing damage, and enhancing safety. Scalable, reliable, and ideal for diverse buildings



Wireless fire alarm systems offer easy installation, scalability, and reliable communication, ensuring quick alerts and robust fire protection. Ideal for flexible integration and minimizing false alarms



Conventional fire alarm systems offer cost-effective, reliable protection for smaller buildings. Easy to install and operate, they provide focused responses by alerting specific zones, delivering essential fire safety within budget