

SAFETY & SECURITY SOLUTIONS

Intelligent Surveillance, AI-Driven Monitoring & Integrated Safety Systems

About Safety & Security Solutions

Modern safety and security systems go beyond traditional surveillance by combining intelligent video monitoring, AI-based analytics, and integrated control platforms. These solutions enable real-time threat detection, incident prevention, and centralized monitoring—ensuring safety, compliance, and operational efficiency.

Applicable across **Government Offices, Schools & Colleges, Residential Buildings, Hospitals, Industrial Facilities, Manufacturing Plants, and Commercial Infrastructure.**

Scope of Safety & Security Solutions

Core Offerings

- CCTV Surveillance Systems (IP & Analog)
- CCTV Infrastructure & Network Design
- Video Management Systems (VMS)
- AI-Enabled Video Analytics Platforms
- Integrated Security & Monitoring Systems
- Access Control & Smart Surveillance Solutions

Supply | Installation | Services

1. Supply

- CCTV Cameras (Dome, Bullet, PTZ, Thermal, Night Vision)
- Network Video Recorders (NVR) / Digital Video Recorders (DVR)
- Storage Systems (Server-based / Cloud Storage)
- Networking Equipment (Switches, Routers, Fiber Components)
- Access Control Systems (Biometric, RFID, Smart Cards)
- Video Management Software (VMS Platforms)
- AI-enabled analytics systems & edge devices

2. Installation & Commissioning

- CCTV system design based on site layout & risk analysis
- Camera installation, alignment & coverage optimization
- Structured cabling, networking & fiber infrastructure setup
- Server/VMS configuration & control room setup
- Integration with access control, alarms & BMS systems
- Testing, commissioning & performance validation

3. Services & Support

- Annual Maintenance Contracts (AMC)
- Remote monitoring & system health checks
- Troubleshooting & system upgrades
- Storage management & data backup solutions
- Software updates & AI model optimization
- 24/7 technical support & service

AI-Enabled Monitoring & Smart Use Cases

Advanced AI-powered systems transform surveillance into proactive safety management:

Use Cases

- **Vehicle Number Plate Recognition (ANPR)**
Automatic identification of vehicle numbers for entry/exit monitoring, parking management, and security control
- **Person Fall Detection**
Immediate alerts in case of falls—critical for hospitals, elderly care, and industrial safety
- **Trip & Intrusion Detection**
Detection of unauthorized entry, restricted area violations, and perimeter breaches
- **PPE Compliance Monitoring**
Ensures workers are wearing helmets, safety vests, gloves, and other mandatory protective equipment
- **Face Recognition & Attendance Monitoring**
Identity verification for secure access and workforce management
- **Crowd Monitoring & Behavior Analysis**
Detects overcrowding, unusual activity, and potential security risks
- **Fire, Smoke & Hazard Detection**
Early warning alerts for fire hazards and unsafe conditions

Customization Capability

- AI models customized based on site-specific requirements
- Industry-specific use case development
- Integration with ERP, SCADA, and third-party systems
- Scalable architecture for multi-location monitoring

TECHNICAL CAPABILITIES & EXECUTION

System Architecture

- Edge devices + centralized server/cloud architecture
- High-resolution video processing & storage
- Scalable network infrastructure (LAN / Fiber / Wireless)
- Integration with mobile & remote monitoring platforms



Execution Methodology

1. Site Survey & Risk Assessment
2. Solution Design & Camera Layout Planning
3. System Engineering & Procurement
4. Installation & Network Integration
5. Testing, Commissioning & Training
6. Ongoing Support & AMC

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Securing People, Assets & Operations with Intelligent Technology