



# AI ENABLED SURVEILLANCE KIT

FOR ALL EXISTING CAMERA (RETROFIT SOLUTION)

**SMARTER SURVEILLANCE. STRONGER DEFENCE.**

An indigenous AI Powered Retrofit Upgrade Kit that transforms your existing CCTV / IP / Analog / HD / Thermal cameras into intelligent surveillance assets with real-time analytics, auto alerts and command center integration.

**UPGRADE. INTELLIGENT. PROTECT.**

## WORKS WITH YOUR EXISTING CAMERAS



ANALOG CAMERA

HD / SDI CAMERA

IP / PTZ CAMERA

THERMAL CAMERA



## AI SURAKSHA NETRA

AI SURVEILLANCE UPGRADE KIT

TURN ANY CAMERA INTO AN INTELLIGENT ASSET

## AI ANALYTICS MODULES

- Human Intrusion Detection
- Vehicle Detection & Tracking
- Perimeter Breach Detection
- Loitering Detection
- Crowd Density Analysis
- Face Recognition (Database Matching)
- Unauthorized Entry Detection
- Weapon Detection (Rifle / Handgun)
- Abandoned Object Detection
- Left / Removed Object Detection
- Smoke / Fire Detection
- Drone Detection (Visual Signature)
- PTZ Auto Tracking
- Suspicious Behaviour Analytics

## MILITARY GRADE FEATURES

- 24x7 Operation Day & Night
- Multi Sensor Fusion (EO / IR / Radar / Thermal)
- GIS Map Overlay & Geofencing
- Drone Feed Integration
- Secure Network (Air-gapped LAN)
- AES-256 Encryption
- Role Based User Access
- Auto Event Recording & Archive
- RAID Storage Redundancy
- Cyber Security Hardened

**RETROFIT SOLUTION**  
Works with existing cameras. No need to replace infrastructure.

**REAL-TIME ALERTS**  
Instant alerts with auto pop-up on command console.

**HIGH ACCURACY AI**  
>95% detection accuracy with AI based false alarm filtering.

**SCALABLE & MODULAR**  
16 / 32 / 64 channels & more. Expand as per requirement.

**COMMAND INTEGRATION**  
Seamless integration with VMS, C4I, PSIM & other systems.

**MADE IN INDIA**  
Indigenous design & development.

## TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Compatibility	Analog, HD, SDI, IP, PTZ, Thermal Cameras
Video Inputs	16 / 32 / 64 / 128 Channels (Scalable)
Resolution Support	720p / 1080p / 4MP / 8MP / 4K
Real-time Processing	≥ 30 FPS per Channel
AI Processing	Edge AI / GPU Accelerated Inference Engine
Detection Accuracy	≥ 95% Object Classification
False Alarm Filtering	AI Based False Alarm Suppression
Latency	< 1 Second Alert Generation
Storage	Up to 480 TB (RAID Configurable)
Protocols	ONVIF, RTSP, TCP/IP, HTTP, MQTT
Scalability	Modular Architecture, Multi-site Support

## HARDWARE SPECIFICATIONS

### AI PROCESSING UNIT (RACK MOUNT)

- Intel Xeon / AMD EPYC Processor
- NVIDIA GPU / Edge TPU Acceleration
- 64GB - 256GB DDR4 RAM
- 10GbE Dual Port Networking
- SSD + RAID Storage (Up to 480TB)
- Dual Redundant Power Supply
- 19" Rack Mountable, 2U / 3U
- Military Grade Rugged Chassis



### EDGE AI UNIT (COMPACT)

- 4 / 8 / 16 Channel Versions
- Low Power Consumption
- Fanless Rugged Design
- Wide Voltage (9V - 36V DC)
- Wall / Pole / Vehicle Mount



## SOFTWARE FEATURES

- Centralized Video Management System
- Intelligent Dashboard & Alert Console
- Forensic Search (Object / Event / Time)
- Mobile App for Live View & Alerts
- Automatic Report Generation
- API & SDK for Third Party Integration
- ONVIF / RTSP / MAPI Support

## ENVIRONMENTAL

- 20°C to +65°C Operating Temp.
- 10% - 95% Humidity
- IP65 / IP66 Protection
- Shock & Vibration Resistant

## COMPLIANCE & STANDARDS

- Make in India Preference
- MIL-STD Ruggedization
- EMI / EMC Compliant
- CERT-In Security Compliance
- Cyber Security Hardened
- ISO 9001:2015 Quality

## IDEAL FOR

- Military Bases
- Border Posts
- Ammunition Depots
- Airfields
- Critical Installations

**TRUSTED. TESTED. MISSION READY.**

Empowering our forces with indigenous technology for superior situational awareness and mission success.

SCAN FOR MORE INFO

