

Introduction

Multi-Channel AI Intelligent Video Analytics Appliance, Transform IP Camera Into an AI-Powered Surveillance System.

AGen AI-BOX is a powerful AI video analytics platform designed to bring advanced intelligence to existing surveillance cameras. Equipped with a high-performance AI processor and built-in AI algorithms, it delivers real-time facial recognition, vehicle analysis, perimeter protection, behavior detection, Activity compliance monitoring, and safety alerts for industrial and commercial environments.

Key Features

Powerful AI Computing

- Quad-Core Cortex-A53 Processor 1.3GHz
- Integrated NPU with up to 28.8 TOPS AI Computing Power
- 64GB eMMC Storage
- 4GB LPDDR4X Memory
- Embedded Linux Operating System
- Supports up to 4 AI video streams simultaneously



Easy Camera Integration

Compatible with most IP cameras supporting:

- ONVIF
- RTSP
- RTMP
- WebRTC

Supports:

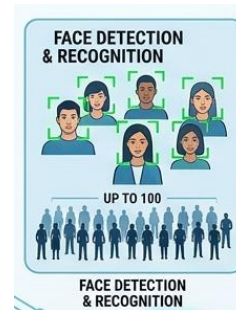
- H.264 / H.265 Video Compression
- Up to 8MP Camera Resolution
- 4 Channels of 4MP Video Analytics



AI Analytics Capabilities

Face Detection & Recognition

- Face Detection (maximum 100)
- Face Capture
- Face Comparison
- Stranger Alert
- Watchlist Monitoring



Face Attributes Analysis

- Gender
- Age Group
- Glasses Detection
- Mask Detection
- Helmet Detection



Vehicle

- Vehicle Classification
- Vehicle Brand Identification
- Vehicle Color Analysis
- Driving Direction Detection



Non-Motor Vehicle Analysis

- Bicycle Detection
- Motorcycle Detection
- Rider Identification



Workplace Safety & PPE Monitoring

- No Safety Helmet
- No Face Mask
- No Uniform
- No Safety Belt
- No Reflective Vest



Behavior Analysis

- Fall Detection
- Smoking Detection
- Mobile Phone Usage
- Phone Calling Detection
- Running Detection
- Sleeping on Duty
- Unauthorized Departure
- Crowd Gathering
- Fighting Detection
- Emergency Help Request Detection

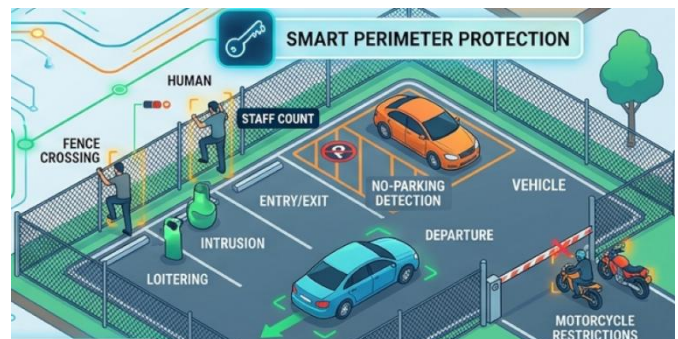


Smart Perimeter Protection (Human)

- Intrusion Detection
- Line Crossing Detection
- Loitering Detection
- Climbing/Fence Crossing Detection
- Area Occupancy Monitoring
- Staff Count Monitoring
- Area Entry/Exit Detection

Smart Perimeter Protection (Vehicle)

- No-Parking Detection
- Vehicle Departure Detection
- Motorcycle Entry Restrictions
- Special Vehicle Restriction Detection
- Parking Compliance Monitoring



Expandable AI Platform

- Remote AI Algorithm Upgrades
- Custom AI Model Development Support
- Third-Party Software Integration Via AGen