ANOMNY Technologies Pvt. Ltd.
Video Analytics (VA) Software — Product Datasheet
AMY-SOF-VA-001

ANOMNY

Video Analytics Software

AI-Powered · Real-Time · Scalable · Secure

Advanced CCTV Intelligence | AI/ML Threat Detection | 24×7 Surveillance

ANOMNY Video Analytics Software delivers enterprise-grade AI/ML intelligence over CCTV infrastructure — integrating seamlessly with VMS and edge cameras to provide real-time threat detection, automated alerting, facial recognition, ANPR, and predictive surveillance for 24×7 data centre security operations.

10+	AI/ML	24×7	ONVIF	AES-256
VA Use Cases	Detection Engine	Real-Time Alerts	Interoperable	Encrypted

A Core Video Analytics Features

◆ Intelligent Object Tracking
- AI/ML-based tracking of persons, vehicles, and objects
- Seamless cross-camera handoff tracking
- PTZ Auto-Tracking: camera auto-follows detected target
- Continuous tracking during camera pan/tilt/zoom motion

◆ Crowd & Intrusion Detection
- Crowd density monitoring — alert threshold configurable (e.g. 7+ persons)
- Virtual fence / perimeter breach detection
- Line crossing detection with direction awareness
- Restricted zone intrusion alerting

◆ Video-Based Fire & Hazard Detection
- Flame and smoke pattern recognition via deep learning
- Early fire detection without dependence on physical sensors
- Instant alarm to VMS and BMS on fire event
- Integrates with fire suppression & BMS systems

◆ ANPR — Automatic Number Plate Recognition
- Real-time vehicle plate capture and OCR
- Whitelist / blacklist vehicle matching and alerting
- Works in day and low-light / IR conditions
- Logs vehicle entry / exit with timestamp

◆ Facial Recognition
- AI-powered face detection and identity verification
- Two-factor auth: Face + RF Card at critical DC entry points
- Watchlist match with real-time alarm generation
- Integrates with ACS for access control enforcement

◆ Abandoned & Left-Object Detection
- Detects unattended bags, packages, or objects
- Configurable dwell-time threshold before alert
- Removes operator fatigue from continuous monitoring
- Logs events with timestamped snapshot to VMS

B Edge Camera Analytics

◆ Motion Detection
- Multi-zone configurable motion sensing per camera
- Sensitivity levels adjustable per zone
- Triggered recording escalation on motion event

◆ Night Vision & Low-Light Analytics
- Clear video capture in zero-lux / zero-visibility conditions

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- Supports both indoor and outdoor environments

Image Tamper Detection
- Detects camera obstruction, repositioning, or defocusing
- Immediate alert to operators on tamper event
- Logs tamper incident with before/after snapshot
- Works as camera-embedded edge feature

- IR-based illumination up to 250m (outdoor PTZ cameras)
- Wide dynamic range for high-contrast scene compensation
- Analytics remain active in IR / low-light mode

ONVIF & Protocol Interoperability
- Full ONVIF S, G & T profile compliance
- IEEE 802.1X network authentication on all cameras
- H.265 / H.264 dual-stream compression support
- Tri-stream: live, recording, analytics simultaneously

C VMS-Integrated Intelligence

Alarm & Event Management
- Centralised alarm management dashboard across all sites
- Rule-based event to action engine (schedules + triggers)
- Alarm acknowledgement, escalation and audit trail
- Email / SMS notifications on alarm conditions

Live & Recorded Video Intelligence
- Server-side or edge-based analytics (flexible deployment)
- Analytics-triggered recording escalation (frame rate boost)
- Simultaneous live view, playback & analytics at 25 fps
- Up to 64 cameras per client workstation at full resolution

Multi-Site & Scalable Architecture
- Enterprise distributed VMS: no single point of failure
- Supports 50+ camera brands via ONVIF / native protocol
- Multi-server, multi-site deployment
- VMS + Recording servers on dedicated hardware platforms

Security & Compliance
- AES-256 bit encrypted communication (server to client)
- All recorded media encrypted — tamper-proof storage
- STQC ER compliance for cybersecurity standards
- Active Directory / LDAP / OAuth2 / OpenID Connect SSO

D Deployment Architecture & System Overview

VA Software Layer
- Deep learning AI/ML inference engine
- Server-based & edge hybrid analytics
- Open REST API for 3rd-party integration
- No vendor lock-in — multi-OEM support

VMS Integration
- Native VMS plug-in architecture
- Analytics events trigger VMS actions
- Single-pane management console
- Supports 50+ camera brand integrations

Infrastructure
- Dedicated VA + VMS hardware servers
- NVR / NAS storage with AES-256 encryption
- PoE IP cameras — no extra power cabling
- Centralised Control Room + remote access

E Integrated Systems Overview

BMS | **ACS** | **ANPR** | **VMS** | **FAS** | **Helpdesk** | **HVAC** | **DCIM**

Why ANOMNY Video Analytics?

- AI/ML analytics — fire, crowd, ANPR, facial recognition & object tracking built-in
- Seamless VMS + Edge hybrid deployment — no rip-and-replace required
- CERT-IN compliant — cybersecurity hardened
- Open protocol / ONVIF — integrates with 50+ camera OEMs
- Made in India — R&D, support & on-site delivery
- Free upgrades — no additional license or integration cost

Get in Touch

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