

Intelligent Video Analytics Pro Context



- ▶ Cloud-based GenAI processing engine for surveillance cameras to gain contextual insight
- ▶ Configurable triggers: time scheduled and IVA rules
- ▶ Multiple output types for flexible integration
- ▶ Seamless integration with our video management systems and those of other partners

Intelligent Video Analytics (IVA) Pro Context is a video analytics software based on large language model technology and designed for advanced scene understanding and intelligent surveillance applications. It achieves unprecedented levels of contextual awareness for detecting complex situations, anomalies, and safety violations. The system combines traditional object detection with sophisticated natural language understanding to provide detailed insights about monitored scenes.

Data collected provides actionable insights for improving safety, security, and operational efficiency across various environments including warehouses, retail spaces, and industrial facilities. Robust prompt management and moderation systems ensure reliable and compliant operation.

Functions

Contextual scene analysis

IVA Pro Context contextual scene analysis comes with sophisticated natural language processing capabilities for understanding complex scenes. It allows for:

- Detailed scene description and analysis
- Text extraction from visual elements
- Understanding complex relationship between objects and people

Input methods

The software supports multiple trigger methods:

- **Time-based scheduling:** captures snapshots at customizable intervals for regular monitoring

- **IVA rule-based activation:** integrates with sophisticated video analytics rules like line crossing detection

Output types

Three distinct output formats are available:

- **Binary alarm signals:** straightforward yes or no responses based on user-defined criteria
- **Detailed text descriptions:** context-aware scene descriptions and situational analysis
- **Alphanumeric data extraction:** processing of registration plates, container numbers, and other alphanumeric data

Additional features

- **Natural language:** defining tasks by free prompting
- **Intelligent prompt management:** intelligent optimization of user-provided prompts for improved performance
- **Hybrid mode:** leveraging best-in-class edge analytics to trigger cloud-based analytics, combining the benefits of both worlds
- **Live test:** offers the functionality to test the configured prompt on current camera footage or self-provided sample images
- **Visual clue:** adding images to prompts when text descriptions are insufficient or unclear

Technical specifications

Compatibility

Hardware requirements:

- Cameras based on common product platform CPP14.2

- Minimum resolution: 2 MP (higher resolutions improve performance)
- Remote Portal registration
- Cloud connectivity mandatory

For information on supported cameras, refer to our DesignHub:

<https://designhub.iqsight.com/>

Integration options

- Native integration with major platforms:
 - Milestone XProtect®
 - BVMS
 - Genetec
- API architecture for custom implementations
- Web-based configuration interface

Installation and configuration

The setup is available via Configuration Manager, a free software available for download from this website:

<https://downloadstore.keenfinity-group.com/>

A wizard-based graphical user interface guides you through the configuration process, providing all necessary tools to set up IVA Pro Context.

Configuration features

- Intuitive web-based interface
- Custom prompt creation tool

Ordering information

CBS-AAC-CTS Context Cloud 1000 subscription 1m

AI-powered video analytics software with contextual scene understanding. Subscription for 1,000 requests per camera per month.

Order number **CBS-AAC-CTS**

CBS-AAC-CTXL Context Cloud 50000 subscription 1m

AI-powered video analytics software with contextual scene understanding. Subscription for 50,000 requests per camera per month.

Order number **CBS-AAC-CTXL**