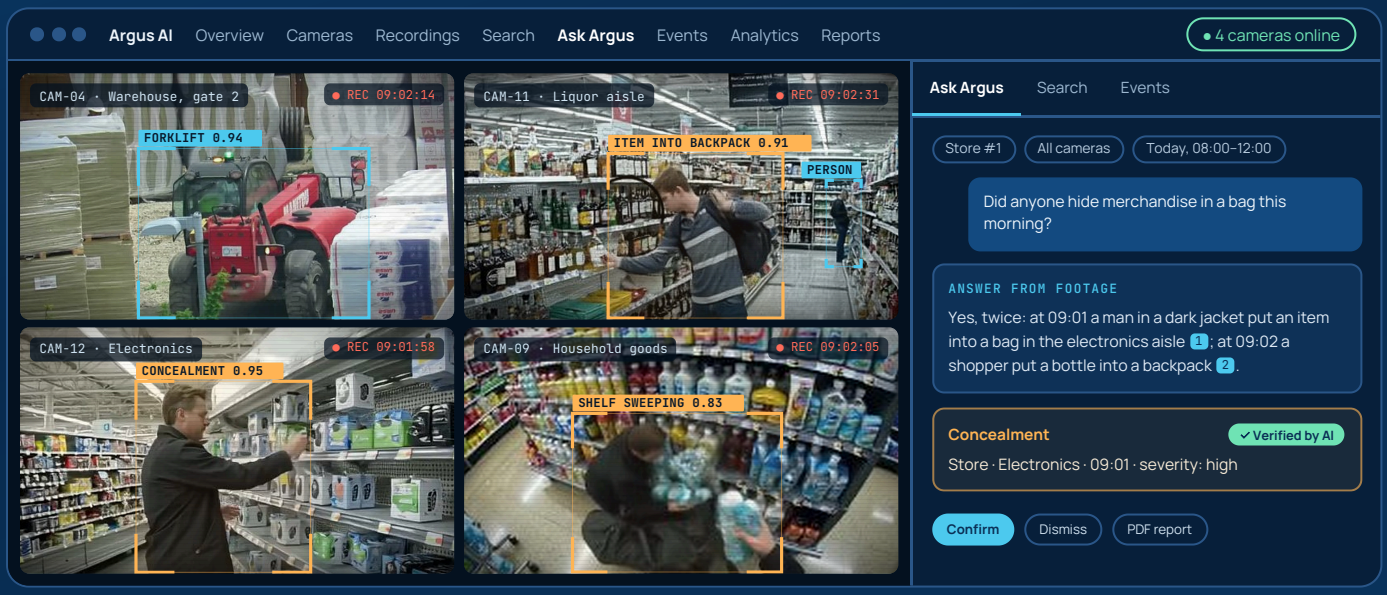
AI VIDEO ANALYTICS ON YOUR OWN SERVER

Your cameras see. Argus understands what is happening

Tietorix Argus AI connects to your existing IP cameras and video recordings, describes what happens, detects violations by scenario, counts visitors, answers questions about the footage and prepares reports. All AI runs on your own server.

Request a demo →

30 minutes online · can use your own footage



Frames from demo recordings. Data is fictional.

10
ready-made scenarios, from workplace safety to retail and parking

×2
verification: a second AI model double-checks every violation

4 fps
tracking of people, vehicles and bags in every video

0
frames leave the site: all AI runs locally

Works with your cameras

Connect IP cameras over RTSP or upload recordings. No new hardware at the cameras.

Video stays on site

Recognition, description and search run on your server. No cloud services are used.

A human makes the call

An AI alert is a prompt for the operator. Confirmations and dismissals are saved and improve the model.

CAPABILITIES

A video archive you can ask questions

TIETORIX AI

01
Camera connection
IP cameras over RTSP, stream check, automatic reconnection after a drop, zones drawn on the image.

02
Video upload
MP4, MOV, MKV, WebM, multi-gigabyte files with resumable upload. Optional import by video link.

03
Plain-language search
“Person hides a bottle in a backpack”, “forklift next to a worker”. Results open the video at the right moment.

04
Ask Argus
Answers about your footage, every fact linked to a moment in the video. If the footage has no answer, Argus says so.

05
Scenario alerts
Violations are found by the rules of the selected scenario and double-checked by a second AI model.

06
Operator review
An event queue: confirm, dismiss or return. Decisions are saved and used for model fine-tuning.

07
Reports
Per shift, day or week: AI summary, metrics, charts and key frames. Incident reports in PDF.

08
Notifications
Email, Telegram, WhatsApp, webhook. Severity threshold, quiet hours, repeat cooldown, frame snapshot.

ALERT PATH

From frame to operator in about a minute

01
Recording
The camera stream is split into segments, 60 seconds by default.

02
Description
AI describes each segment and adds it to the search index.

03
Rules
Scenario events are checked against threshold, zone, schedule and severity.

04 · AI
Verification
A second model answers the rule's own question. Rejected events are not sent.

05
Operator
Notification with snapshot and explanation, an event card, a human decision.

ANALYTICS

How many people, when, and where they spend time

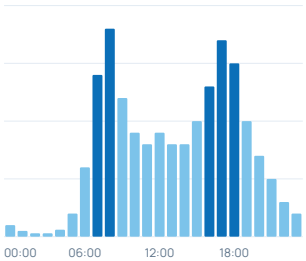
842
people per day

171
vehicles

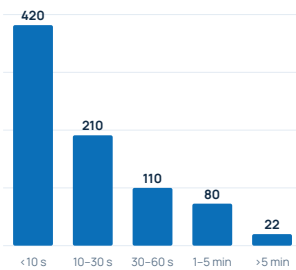
10.9
in frame on average

36
peak at one time

Peak hours
People in frame by hour



Time in frame
How many people, how long



Heat map
Where people spent the most time



less more

312
entries to the “Platform” zone

1:15
average time in zone

The detector finds people, vehicles and bags four times per second and tracks each one over time. Faces and licence plates are not recognised. Data in the illustration is fictional.

SCENARIOS

Ready-made scenarios for many industries

TIETORIX AI

Construction and industrial safety
No hard hat or vest, person in a restricted zone, machinery near a person, smoke or fire, falls

Retail loss prevention
Concealment, shelf sweeping, leaving without paying, security tag removal

Store operations
Empty shelves, spills on the floor, long queues, unattended till, open fridge

Perimeter and site security
Intrusion, fence climbing, abandoned object, vehicle in a restricted zone, fights

Warehouse and logistics
Pedestrian in a forklift zone, blocked aisle, fallen load, person climbing racking

Parking
Car in a no-parking spot, wrong-way driving, collision, attempted break-in

Roads and intersections
Accidents, stopped vehicle on the carriageway, pedestrian on the road, congestion, wrong-way traffic

Food production hygiene
No hairnet, handling food without gloves, product on the floor, pests

Aged care and hospital wards
Falls, person on the floor, getting out of bed, wandering unaccompanied, calls for help

Public spaces
Dangerous crowd density, fights, person down, abandoned object, panic running

TRACKING MEASURES	detect · confirm
Person in a restricted zone	over 1 s
Loitering in one place	over 60 s
Crowd in frame	more than 15
Person near a vehicle	within ½ height
Person lying on the floor	over 4 s
Unattended bag	over 30 s

detect mode creates an event from the measurement; **confirm** mode keeps an AI alert only if the measurement supports it.

CONFIGURATION

Your own scenario for your site

- **A scenario** describes what the cameras see and which events to look for, with precise definitions of what counts and what does not.
- **A rule** sets the confidence threshold, zone, schedule, severity and whether AI verification is required.
- **Measures** add exact thresholds: time in zone, distance to a vehicle, number of people. They come pre-configured in ready-made scenarios and remove false alarms.
- **Versions** of scenarios are kept, with YAML export to move them between sites.

PERSONAL DATA

Argus describes actions, not people

ANALYSES
Actions and movement of people, vehicles and bags as objects

STORES LOCALLY
Video, descriptions, events and ±10 s clips

SENDS OUT
Only notifications to channels set up by the administrator

NEVER DOES
No face recognition, no licence plate reading, no identification

SECURITY AND DEPLOYMENT

Runs inside your own network

TIETORIX AI

LOCAL AI

Inference on your server

Vision-language models and the search index run locally on vLLM and PyTorch. Models are reachable only at local network addresses.

Analysis runs faster than real time.

PROTECTION

Access control and audit log

Camera passwords are stored encrypted. Four roles, brute-force login protection.

Audit log: sign-ins, searches, views, decisions and settings changes, with CSV export.

RETENTION

Retention policies

The administrator sets how long video, clips and descriptions are kept. When disk runs low, the oldest video is removed first.

Every deletion is logged.

ON REQUEST

Unlimited customisation

The base product is ready to use. On top of it we add features for each customer's needs, without limits.

- **Site-specific scenarios** — Your events, zones and definitions
- **Integrations** — VMS, access control, service desk, ERP via webhooks and API
- **Model fine-tuning** — On your footage and operator decisions
- **Multiple sites** — One dashboard for a network of locations
- **Custom reports** — Forms and metrics for your procedures
- **New channels** — Corporate messengers and alerting systems
- **Server sizing** — Configuration for your number of cameras
- **Support and updates** — Ongoing service after launch

GETTING STARTED

Three steps to launch

01 **Demo, 30 minutes**
We show search, questions, alerts and reports on demo cameras.

02 **Pilot on your footage**
We confirm recognition quality on video from your site.

03 **Launch and setup**
We connect cameras, configure scenarios and rules, and train operators.

Who Argus is for

- ✓ Construction and industry
- ✓ Warehouses and logistics
- ✓ Restaurants and catering
- ✓ Fuel stations and garages
- ✓ Stations and airports
- ✓ Hotels and offices
- ✓ Schools and universities
- ✓ Retail chains and malls
- ✓ Food production
- ✓ Energy and utilities
- ✓ Parking and roads
- ✓ Banks and branches
- ✓ Residential complexes
- ✓ Aged care facilities

See Argus on your use case

Contact us for a demo: we will agree a time and discuss which scenarios your site needs.

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AI alerts are prompts for the operator; a person makes the decision. Recognition quality is confirmed on the customer's footage before deployment. The customer organisation is responsible for the legal basis for video surveillance and for notifying or obtaining consent from the people being recorded.