



TRUCK

CAR

PERSON

PERSON

PERSON

PERSON

PRODUCT BROCHURE

AI VIDEO INTELLIGENCE

Video management · Traffic · Analytics · Recognition

Made in India
Powered by AI



TABLE OF

Contents

01	Statement of Purpose	Vision and mission
02	About the Company	Who we are
03	Product Suites	Four suites, one platform
04	At a Glance	What the platform does
05	The Platform in Use	Screen by screen
06	Alerts on the Move	Reaching the field
07	High-Level Architecture	How it is deployed
08	Key Highlights	Technical summary
09	What Values We Bring	Why customers choose us
10	Our Commitments	How we work
11	Contact Us	Let us talk

Purpose

Safety, intelligence and efficiency from video — delivered as engineering, not as a demo.

Vision

To make every camera an instrument a control room can rely on — turning video into decisions that are timely, evidenced and defensible.

Mission

To build video management and analytics software that runs on real sites, in real conditions, on the infrastructure our customers already have — and to keep it working after the installation team has left.

■ Make video useful, not just recorded

Turn camera streams into events a person can act on, so footage is reviewed before an incident rather than after it.

■ Run on what customers already own

Work with the existing camera estate and infrastructure instead of forcing a replacement cycle.

■ Be honest about what is achievable

Say clearly when a camera, a network or a use case will not support the result being asked for — before money is spent.

■ Improve safety and security

Detect intrusion, fire, unsafe behaviour and traffic violations early enough that the response still matters.

■ Keep control with the customer

Recordings and data stay on infrastructure you own, with source and documentation handed over at the end of a project.

■ Use the technology responsibly

Anonymous analytics by default, identity features only with a lawful basis, retention and audit built into the design.

Cognix Vision

Cognix Vision is an Indian engineering company building video management, traffic management and AI video analytics software for control rooms. We were founded in [[year]] and work with [[sectors / regions you operate in]].

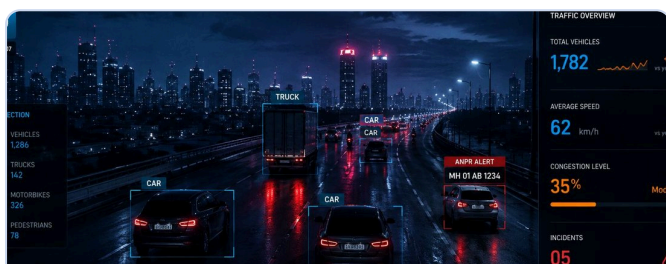
Our work sits where cameras meet operations: a plant that needs safety compliance checked on every shift rather than during an audit, a city corridor where a stopped vehicle must be noticed in seconds, a bank with hundreds of branches and no reliable way to know which are recording today. These are engineering problems before they are AI problems, and we treat them that way.

What we sell is our own software, running in production: the Cognix Vision VMS and the analytics suites built on it. Everything runs on ONVIF and RTSP cameras and standard hardware, on premises or in a private cloud — so the footage, the storage and the decisions stay with the customer.



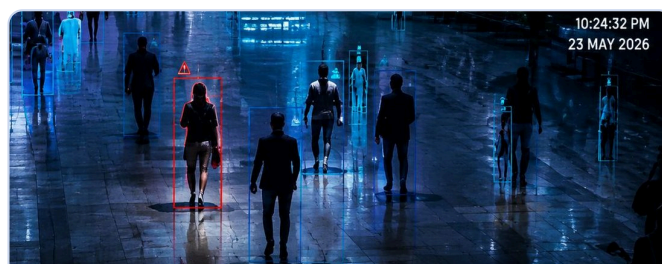
Suites

Four suites, one platform. They share a single event pipeline, one user and role model and one audit log — so adding a second suite is a configuration change, not another procurement.



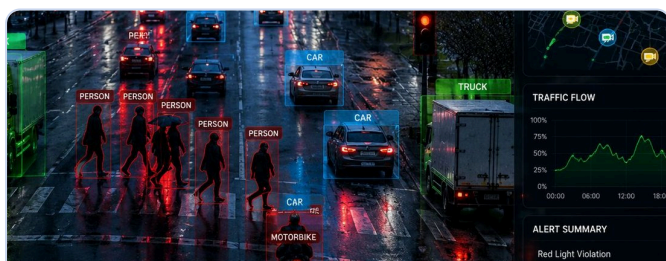
SUITE 01 Smart Traffic

Junctions, corridors, toll plazas, tunnels and industrial gates — every read stored as a searchable event with the image attached.



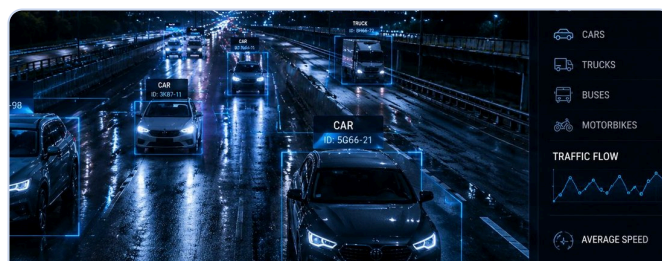
SUITE 02 People Analytics

Anonymous counting by default. Identity features are deployed only where there is a lawful basis, with retention and audit configured before the first enrolment.



SUITE 03 Premises Security

Designed for sites where cameras outnumber operators — the system watches every frame and a person is pulled in only when something needs a decision.



SUITE 04 Industrial Safety

Compliance checked continuously instead of by spot audit, with the clip attached so every record stands up in a review.

Smart Traffic

Junctions, corridors, toll plazas, tunnels and industrial gates — every read stored as a searchable event with the image attached.

- Licence Plate Recognition (ANPR)
- Vehicle Count & Classification
- Watchlisted Vehicle Identification
- Red Light Violation Detection
- Rider without Helmet
- Triple Riding on Two Wheelers
- Wrong-way / Inverse Direction
- Vehicle Parking Violation
- Vehicle Queuing / Traffic Congestion
- Stopped Vehicle Detection

TRAFFIC MONITORING

VE •



People Analytics

Anonymous counting by default. Identity features are deployed only where there is a lawful basis, with retention and audit configured before the first enrolment.

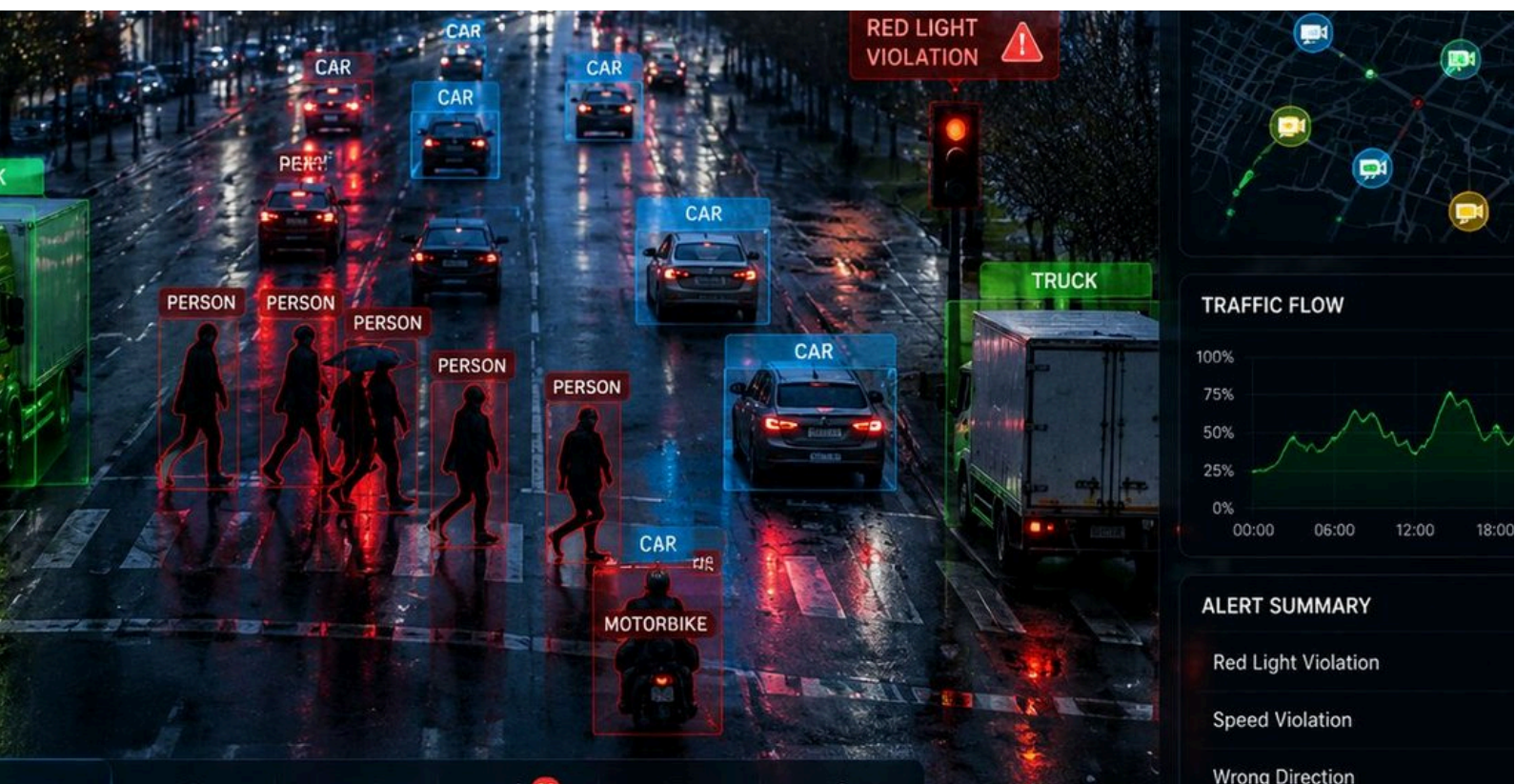
- Face Recognition
- Person Count & Classification
- Watchlisted Person Identification
- Loitering Detection
- Intrusion Detection
- Crowd Detection
- Fight / Violence Detection
- Fallen Person Detection
- Human / Vehicle Search
- Colour & Attribute Search



Premises Security

Designed for sites where cameras outnumber operators — the system watches every frame and a person is pulled in only when something needs a decision.

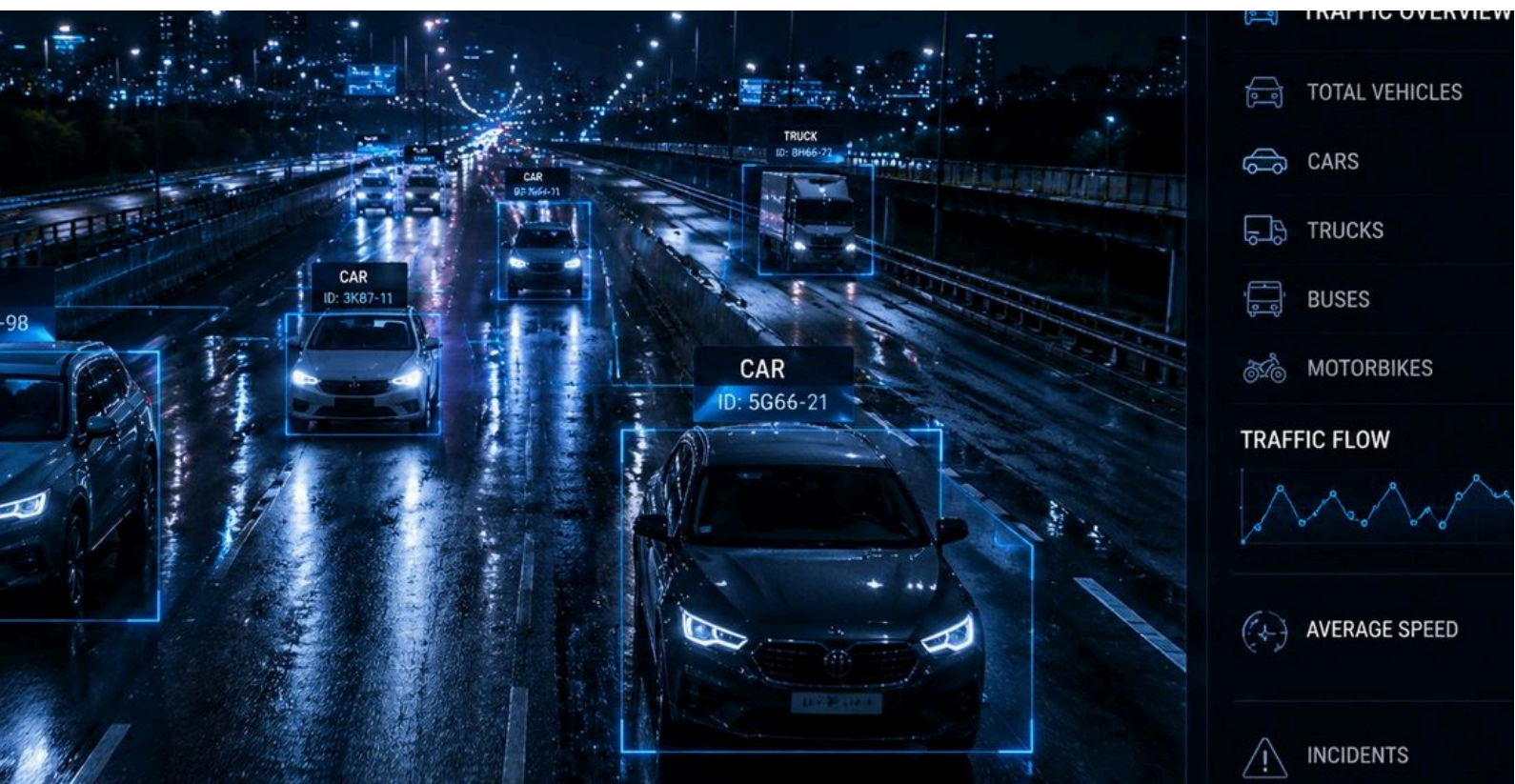
- Fire Detection
- Smoke Detection
- Electrical Spark Detection
- Vandalism Detection
- Abandoned / Suspicious Baggage
- Camera Tampering Detection
- Perimeter & Zone Intrusion
- After-hours Access Monitoring



Industrial Safety

Compliance checked continuously instead of by spot audit, with the clip attached so every record stands up in a review.

- Worker without Safety Helmet
- Worker without Safety Jacket / Vest
- Missing Gloves, Masks or Eye Protection
- Restricted Zone Entry
- Forklift & Pedestrian Conflict
- Garbage & Debris Detection
- Litter Detection
- Fallen Worker Detection



Glance

What an operator gets on day one — before any customisation.

Instant alerting

An event appears on the operator dashboard the moment it is detected, with the triggering clip attached — no waiting for a batch or a report.

Floating use cases

Licences move between channels. Run intrusion on a camera at night and people counting on it by day, without buying twice.

Intuitive searching

Filter by camera, zone, event type, severity and time. A search that used to mean scrubbing hours of footage becomes a few clicks.

Watchlisting

Vehicles and people on a watchlist raise an immediate, separately-styled alert the moment they are seen anywhere on the network.

Priority notification

Every event carries a severity. High-priority events escalate to the people who must act, while routine ones are logged quietly.

Geolocation

Cameras plotted on a site or city map, so an operator goes from a location on the map to the live feed in a single click.

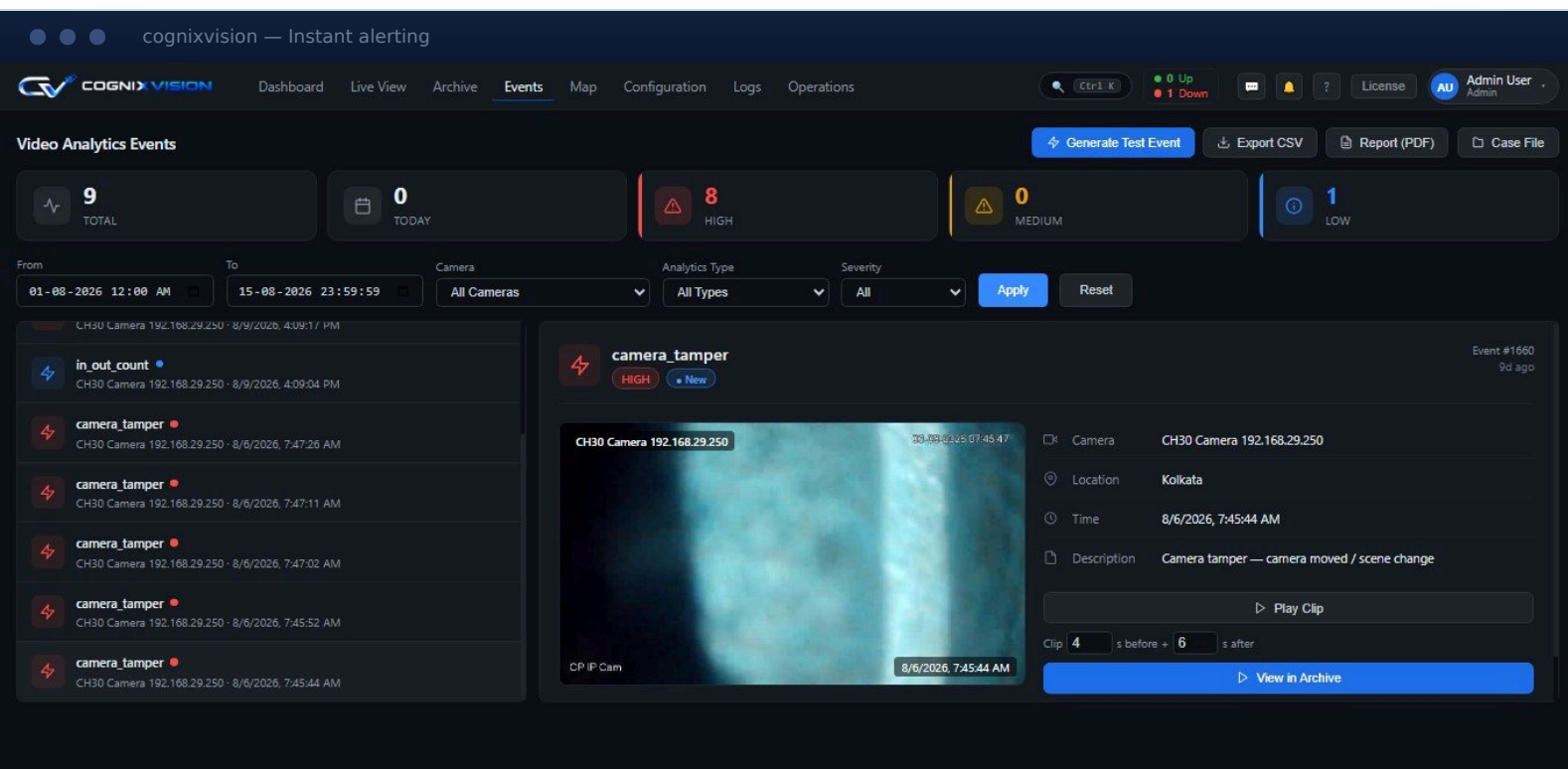
Reporting

Daily and periodic summaries exported as CSV or PDF — event counts, violation summaries, camera health and audit extracts.

Audit on everything

Who watched, searched, exported or changed a setting is recorded across every module, in one place.

Instant alerting



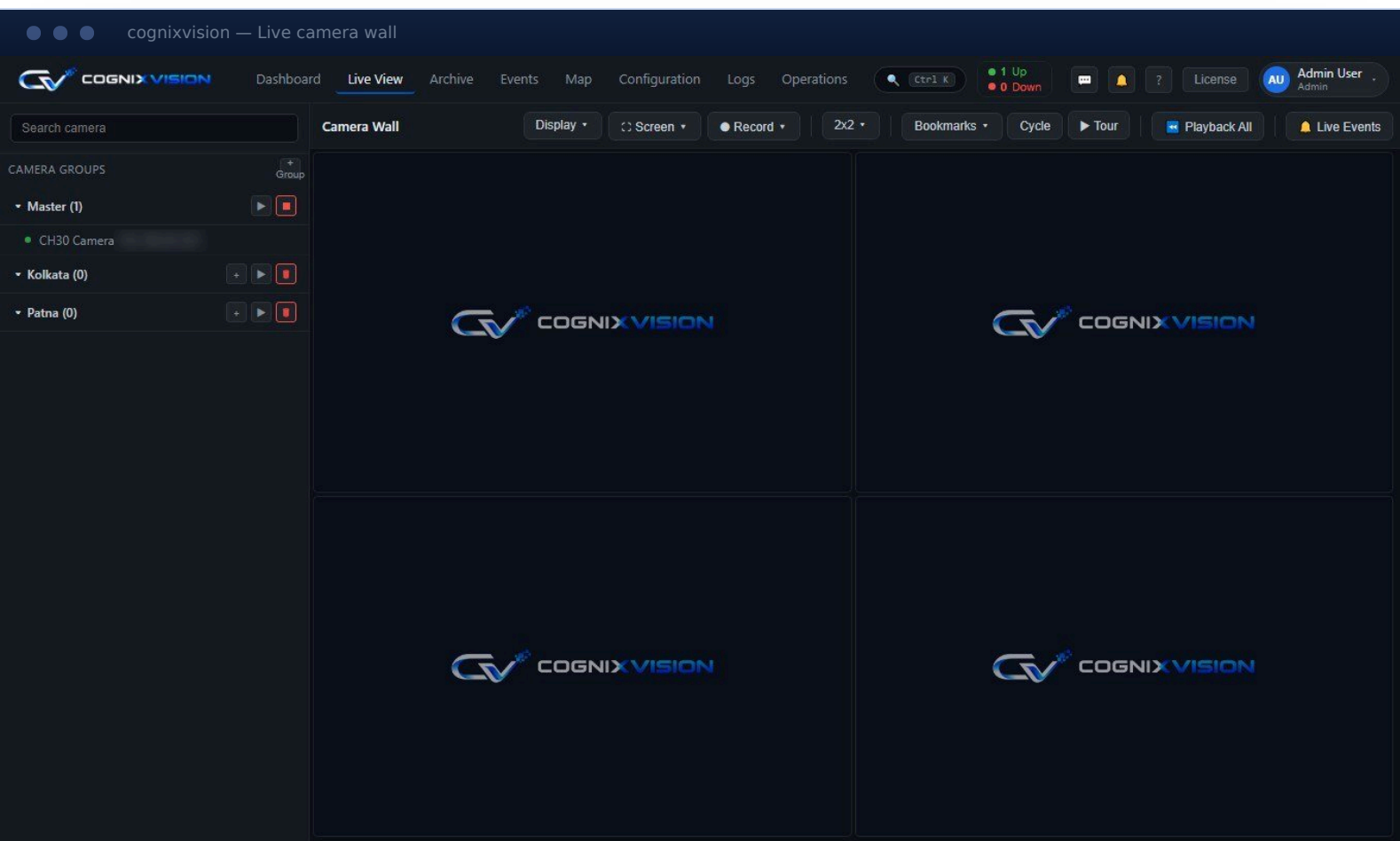
The analytics event feed: severity counts across the top, the event list on the left, and the selected event with its clip, camera, location and timestamp on the right. Export as CSV, produce a PDF report, or open a case file directly from here.

Severity-coded event list

Clip and still attached to every event

CSV, PDF report and case-file export

Live camera wall



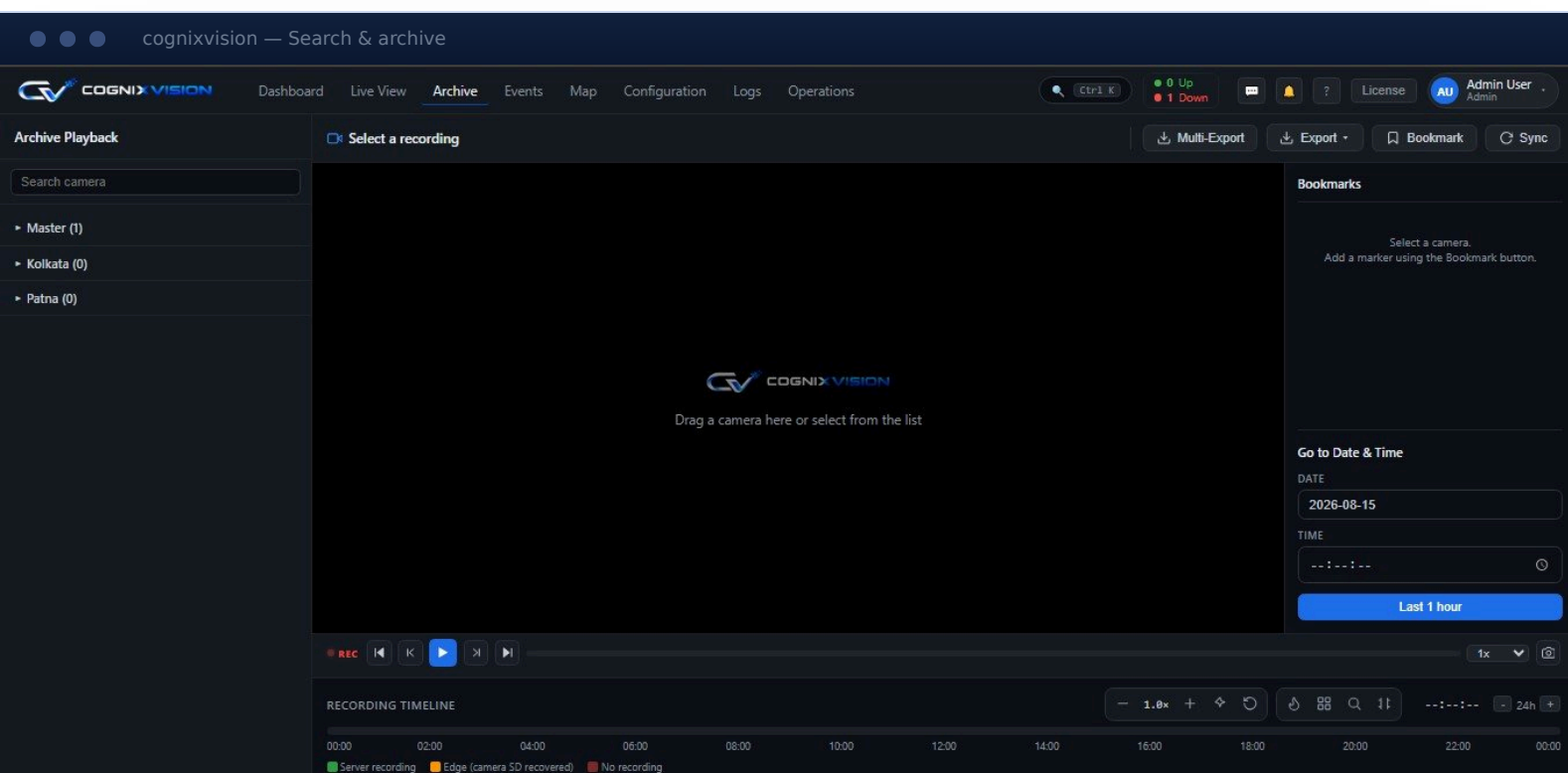
Multi-tile live view with camera groups by site, cycling and tour, recording controls and one-click full screen. Operators watch what matters instead of scrolling through a list.

1x1 to multi-tile layouts

Camera groups per site or plant

Cycling, tour and full screen

Search & archive



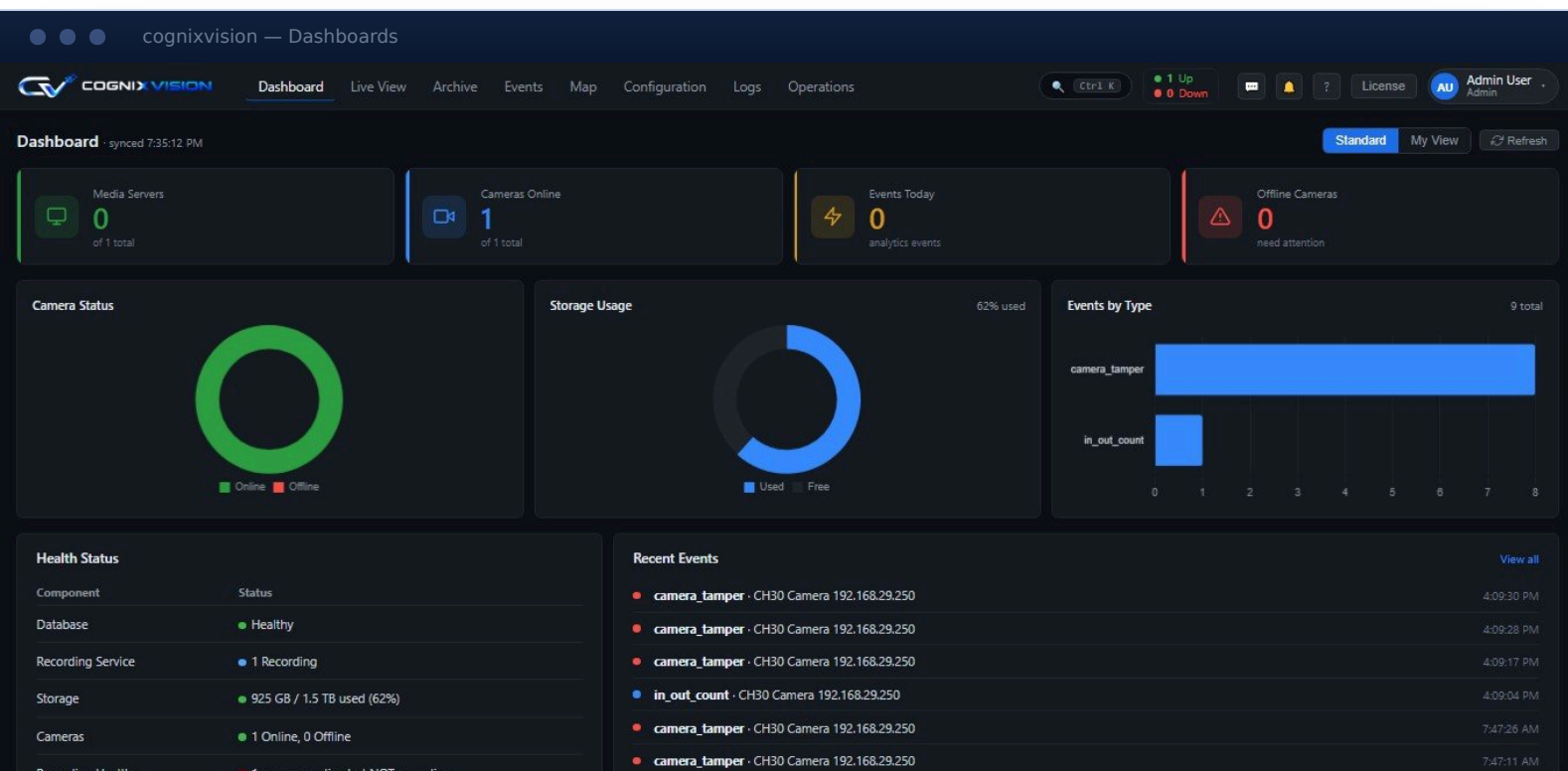
A 24-hour recording timeline per camera, with jump-to-timestamp, bookmarks and multi-export. Colour coding separates server recording, edge-recovered footage and gaps.

24-hour scrubbable timeline

Jump to timestamp, bookmark, export

Multi-channel synchronised playback

Dashboards



System health at a glance: cameras online, storage used and free, events today by type, and the most recent events across the deployment.

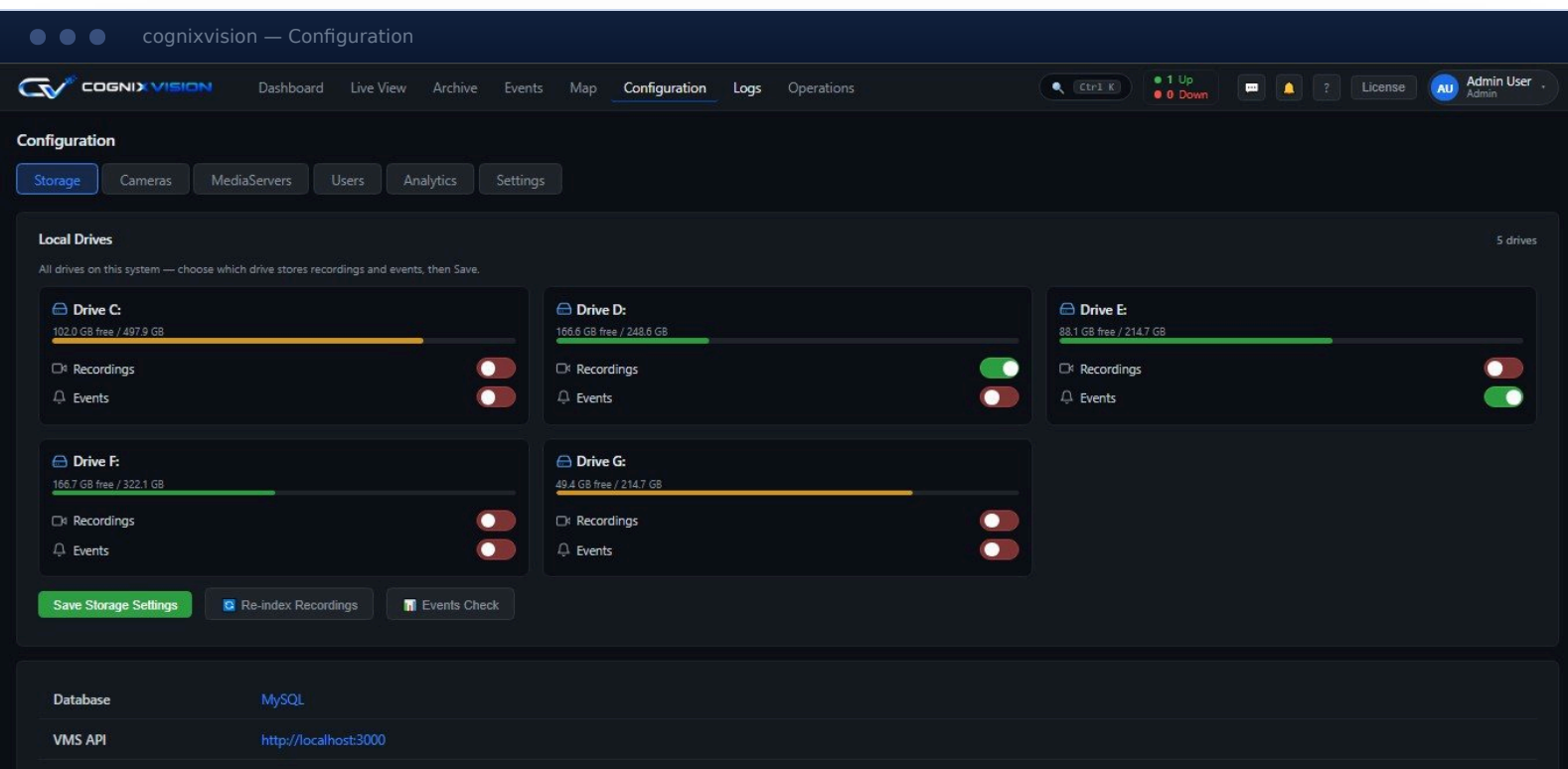
Cameras online and offline

Storage used and free per drive

Events today, by type and by camera

05.5 · THE PLATFORM IN USE

Configuration



The screenshot displays the Cognix Vision Configuration interface. The top navigation bar includes links for Dashboard, Live View, Archive, Events, Map, Configuration (selected), Logs, and Operations. The Configuration page has tabs for Storage, Cameras, MediaServers, Users, Analytics, and Settings. The Storage tab is active, showing a 'Local Drives' section with five drives (C, D, E, F, G) and their respective recording and event toggles. At the bottom, there are fields for 'Database' (MySQL) and 'VMS API' (http://localhost:3000).

Storage per drive with recording and event toggles, camera onboarding, media servers, users and analytics settings — all in one place, with retention set where you want it.

Recording and event storage per drive

Camera onboarding and media servers

Users, roles and analytics settings

Operations & audit

cognixvision — Operations & audit


Dashboard
Live View
Archive
Events
Map
Configuration
Logs
Operations

 Ctrl K
1 Up
0 Down


 Admin User

Operations

Audit, access control, backups and system health

SECURITY
Playback Audit
Sessions
Access Control
Recording Lock
Approvals
Export Log
RELIABILITY
Uptime SLA
Backups
Failover
Time Sync
GENERAL
Reports
Preferences

Playback Audit
Chain of custody — who viewed or downloaded which footage
148 events
Search user / camera / action
CSV

TIME	USER	ROLE	CAMERA	ACTION	RANGE	IP
14 Aug, 12:14 AM · 1d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-14	localhost
12 Aug, 11:54 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost
12 Aug, 11:54 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost
12 Aug, 11:47 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost
12 Aug, 11:47 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost
12 Aug, 11:47 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost
12 Aug, 11:45 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost
12 Aug, 11:25 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost
12 Aug, 11:15 PM · 2d ago	 Admin User	admin	Camera 192.168.29.250	list	2026-08-12	localhost

The playback audit: who viewed or downloaded which footage, when, and from where. Alongside uptime SLA, backups, failover and time sync.

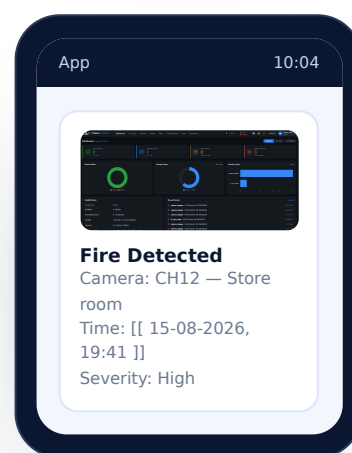
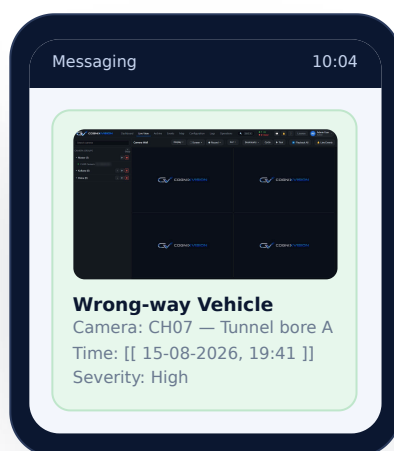
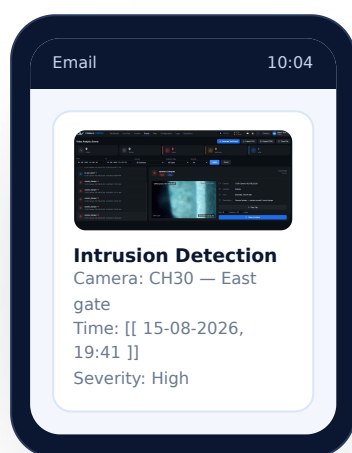
Who viewed or exported what, and when

Uptime SLA, backups and failover

Time sync and system reports

Move

An alert that only lives on a control-room screen is no use to the person who has to walk to the gate. Events are pushed to the channels your team already uses, with the still image attached.



Dashboard
in-app event feed

Email
with image and link

Messaging
[[your platform]]

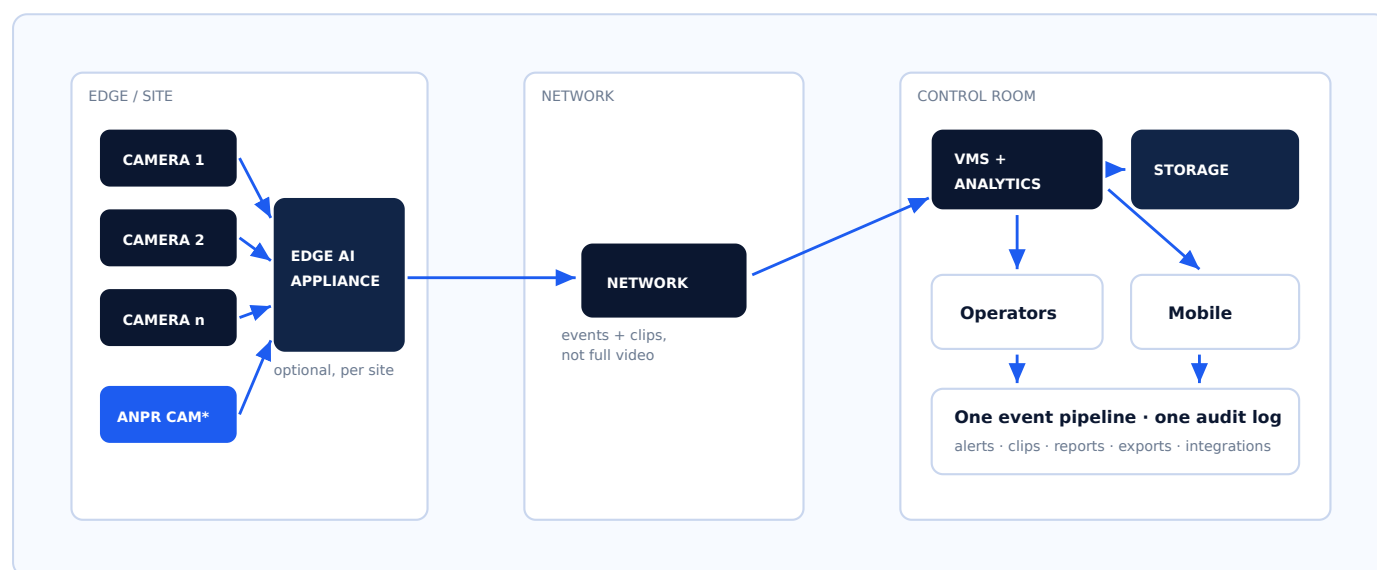
Audio / PA
on-site announcement

Why this matters more than the detection itself

Most deployments fail on the last hundred metres, not on the model. If the guard at the gate does not get the alert on the device already in his hand, the detection was academic. Alert routing is configured per event type and per shift, so the right person is woken and the rest are not.

Architecture

Cameras feed either an edge appliance at the site or the central server directly, depending on the bandwidth available. Where the link is thin, detection happens at the edge and only events and clips travel — the video itself never has to leave the premises.



Symbolic diagram. Exact topology is designed per site after the survey.

* **ANPR camera** optional, where plate capture is required.

What decides the design

Bandwidth to each site, where the recordings are legally allowed to sit, and how fast an output has to reach a person. We size around those three constraints rather than a preferred product configuration.

Highlights

■ Powered by trained models

Detection models trained on real-world visual data across a wide range of scenes and lighting, tuned for accuracy and inference speed on the hardware actually deployed at the site.

■ Camera, hardware and OS agnostic

Any make and model of ONVIF or RTSP camera, and any video source that produces a standard stream. Runs on Linux or Windows.

■ Higher channel density

Optimised to use CPU and GPU together, so more channels run on the same box. [[Add your tested channels-per-server figure]]

■ Scales with the deployment

Multithreaded processing with several analytics functions running in parallel per camera. Camera count is limited by hardware you provide, not by a licence tier.

■ Deployment flexibility

Edge, on-premise or private cloud — and hybrids of all three, chosen by bandwidth and data policy rather than by what is convenient to sell.

■ Alerts that reach people

Dashboard alerts, email, and messaging integrations, plus audio alarm and public-address triggers where the site needs them.

■ Privacy and audit built in

Anonymous analytics by default, identity features only with a lawful basis, retention enforced automatically and every lookup logged.

We Bring

■ Built on your existing cameras

Any ONVIF or RTSP camera, on Linux or Windows. No proprietary hardware, no forced replacement of a CCTV estate you have already paid for.

■ One unified platform

VMS, traffic, analytics and recognition share a single event pipeline, one user and role model, and one audit log. Not four systems stitched together at the customer's cost.

■ Extensive analytics library

Nearly thirty detections across traffic, people, premises and industrial safety — each tuned to the site rather than shipped as a fixed preset.

■ Flexible licensing

Floating licences that move between channels as your deployment changes. Capacity is sized to your hardware, not restricted by an arbitrary plan tier.

■ Edge, on-premise or cloud

Process at the edge where bandwidth is thin and send events instead of video; centrally where the links allow it. Recordings stay where your policy says they must.

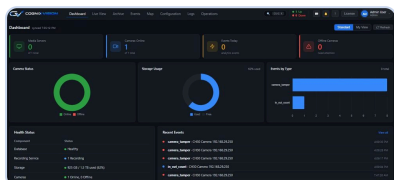
■ Integration and customisation

Events export by API, CSV or push to your existing command, PSIM or enforcement platform. Where something specific is needed, we build it rather than asking you to change your process.

■ Indigenous and open standards

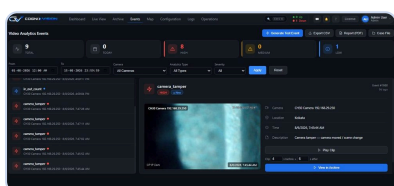
Designed and engineered in India, on open standards, with source and documentation handed over at the end of a project. No black boxes.

Commitments



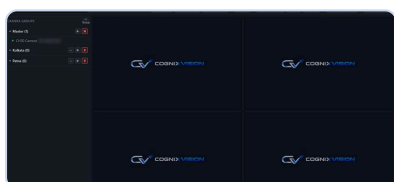
Consultation before selling

We survey the site before quoting. If your camera angles, lighting or network cannot support what you are asking for, we say so at that stage — not after the purchase order. Some conversations end there, and that is the right outcome.



Honest accuracy figures

We do not publish one accuracy number for every deployment. Detection quality depends on mounting, lens and lighting, so we measure it on your site and validate it against manually checked ground truth before go-live.

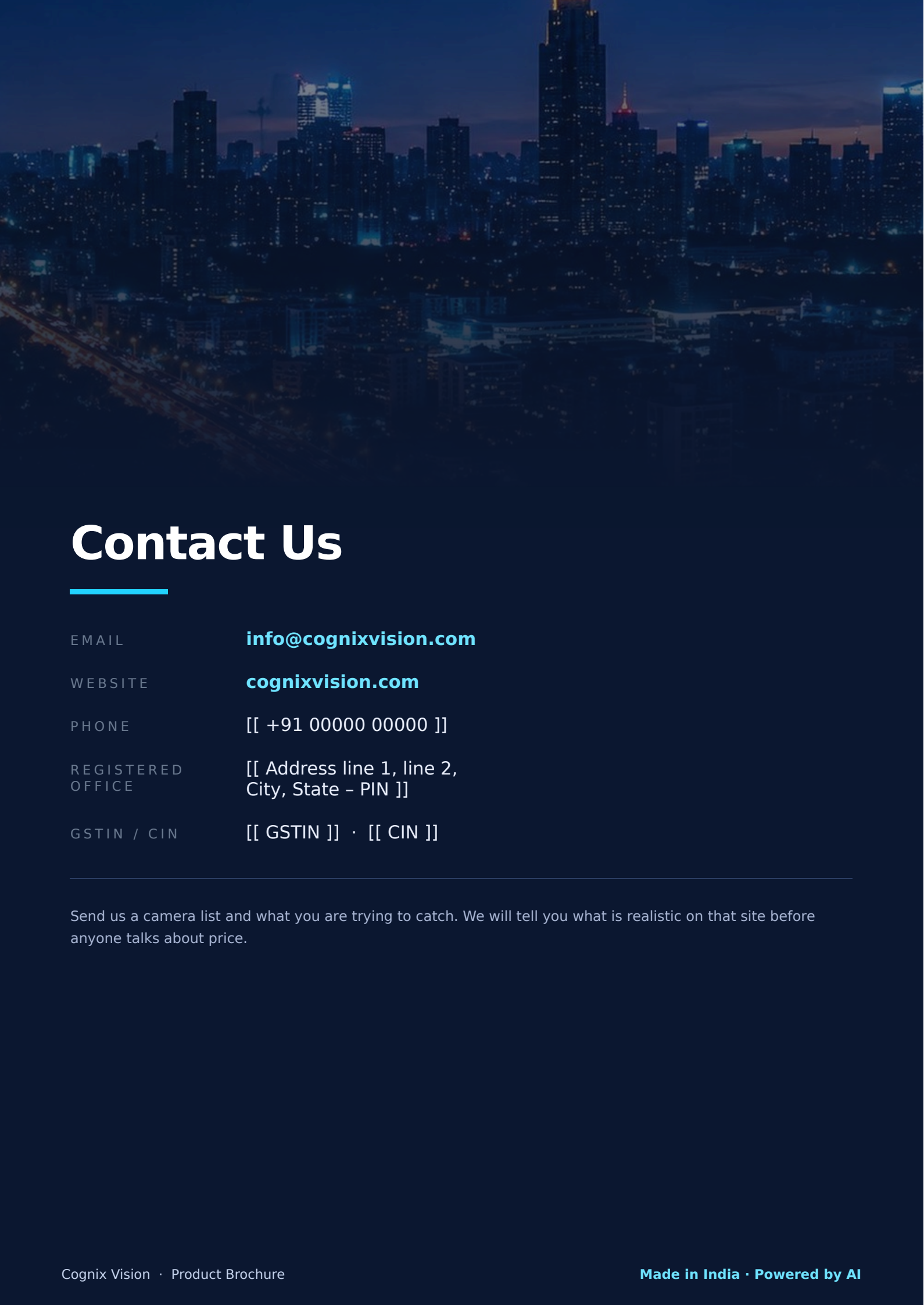


Support that knows your site

A named engineer who already understands your deployment, rather than a queue that starts from your first question every time. Health monitoring, updates and a defined escalation path.

Feedback after delivery

We come back after the first weeks of live running and review the alert rate with the people actually using it, then tune again. A system operators stop trusting is a failed deployment, however good the demo was.



Contact Us

EMAIL	info@cognixvision.com
WEBSITE	cognixvision.com
PHONE	[[+91 00000 00000]]
REGISTERED OFFICE	[[Address line 1, line 2, City, State - PIN]]
GSTIN / CIN	[[GSTIN]] · [[CIN]]

Send us a camera list and what you are trying to catch. We will tell you what is realistic on that site before anyone talks about price.