AI CCTV monitoring platform

White-label ready

AI that watches every camera, on your own server

One server at your site turns the CCTV you already have into checks for PPE, fire and smoke, restricted zones, people, vehicles and visitors. Every alert has a picture and a clip, and no cloud is needed. It is white-label: your licence sets the name, logo and colours.



2 missing The live wall tags every person. Missing PPE shows in amber.

What it does

WATCH

Live wall and floor map
A compliance tag on every person, and a floor map with people shown live. Any RTSP camera joins; an NVR adds all its channels in one step. Try images and videos first.

Many checks per camera
PPE, fire and smoke, person down, forklift proximity, restricted zones, loitering and camera tamper, per zone. Fire and smoke warn beside your certified fire alarm.

RESPOND

Alerts with evidence
An amber warning, then one event per episode with snapshots and a clip that plays with its marks, opened full screen. Make it an incident, assign it, resolve it and hand over at shift end.

Review and alerts
Mark events real violation or not a violation. Alarms show a banner and siren, and go to email, SMS, WhatsApp, webhooks and siren boxes. Reviews train a site model; you activate it.

KNOW

People, vehicles, belts, visitors
People and vehicle counts, items counted on a belt in batches, dwell and queues, number plates at the gate, parking bays, and a visitor kiosk with a PPE check and badge. Faces matched only for people you name.

Reports and search
Compliance, visits, vehicles, attendance and accuracy as branded PDF and CSV, with measured ranges. Search footage by description, or ask the site in plain words.

RUN

Helper servers, all sites
Add servers you own with a join code; cameras move to them and return if one stops. A head-office page shows each site's totals, never video or faces.

Apps and licence
Switch apps on and off; data is kept. Activate offline with a licence file. Storage clean-up keeps the disk from filling.

How it works

1. **Cameras** Any RTSP
2. **Detect and track** objects
3. **Run checks** per zone
4. **Confirm** over seconds
5. **Event** with evidence
6. **Review** by your team
7. **Site-trained** model

Reviewed events train the next model

PPE types

- Safety helmet
- Safety vest
- Goggles
- Gloves
- Safety boots
- Face mask
- Custom types

14 PPE types are built in and you can add your own. Six are on by default (helmet, vest, goggles, gloves, boots, mask). Coverall, ear protection, face shield and safety harness switch on once a model detects them; dust coat and ear plugs are for labelling. Training on your own site's footage gives the best results.

Requirements

Server	Ubuntu 22.04/24.04, Debian 12, Windows 10/11, or macOS 14+
Browser	Chrome, Edge, Firefox or Safari 16.4 or later
Minimum	6 cores, 16 GB, RTX 2060 or T4, 512 GB SSD; or an Apple Silicon Mac
Recommended	8 cores, 32 GB, RTX 4060 Ti 16 GB or RTX 4070, 1 TB NVMe
Best	16+ cores, 64 GB, RTX 4090 or 5090, 2 TB NVMe and RAID
Cameras	Any RTSP IP camera or NVR, DVR or XVR
Internet	Only for the install. Runs offline.

Deployment and data

On site. One server runs everything, with optional helper servers of yours. Video and evidence stay on it. Camera sound is off unless an admin switches it on for one camera.

Secure. HTTPS, with camera passwords stored encrypted.

Roles and audit. Four built-in roles and custom roles you define, two-step sign-in and a log of every change.

Backups and access. Nightly backups with a warning if they stop, one-click updates and rollback. Optional remote access through an outbound tunnel.

Privacy by country. Your country's profile caps how long data is kept; the strictest applies until you pick one.

Ubuntu, Windows, macOS. One-step install; Windows and Mac run as services. Packages ship no source code.

In progress email digests, Sinhala and Tamil screens, switching on online activation, signed handovers by email, kiosk face matching and a local language model for Ask the site.

Planned plant watch and speech to text. **Later** path replay across cameras.

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