

airaTrack Person Tracking Solution



Target



Investigate



Case



Privacy-First Design

- No face enrollment required
- Performs face similarity search within recordings
- Human verification for final confirmation

Leverage Existing CCTV Infrastructure

- Works with existing CCTV cameras
- Cross-camera facial search
- Supports RTSP video streams

Secure On-Premise Deployment

- Keeps data securely on-site
- Cybersecurity-certified platform
- Scalable for small to large sites

Cost-Effective Edge AI Solution

- Optimized for Edge computing
- Runs on embedded systems
- No GPU needed for <50 cameras

Product Features



Dashboard

- Real-time People Insights
- Heatmap and Location Analytics
- Trend Analysis



Investigate

- Incident Timeline and Face Incident with Video Review
- Integrated Map Navigation on Person Location
- Search Nearby Person



Map

- Visualize Camera Locations and Coverage
- Track Target Movement Across Locations
- Quick Access to Camera Feeds



Face Board

- Real-Time Face Capture Display
- Easy Target Selection and Filtering
- Timeline-based Browsing



Watchlist

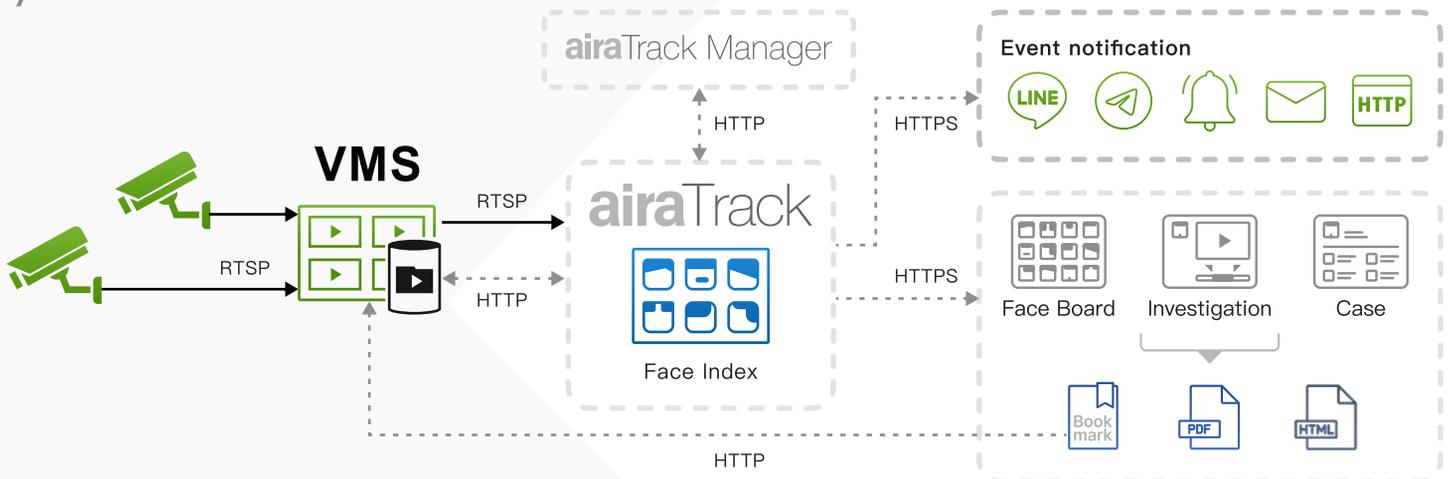
- Real-time Alerts on Person Match
- Flexible Album Management
- Seamless Face Matching



Case

- Create Incident Report in PDF Format
- Highlight the Target Face; Blur Unrelated Faces
- Automatically Logs Incidents as VMS Bookmarks

System Architecture



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Screenshots



Target



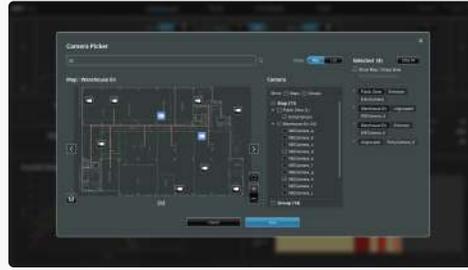
Investigate



Case



Face Board



Camera Picker



Album

Software Specification

- | | |
|--------------------|--|
| Dashboard | <ul style="list-style-type: none"> Refreshes site-wide footfall totals from all connected cameras every minute, delivering real-time insights. Displays the cumulative count of special-event alerts generated across the entire system. Aggregates and presents daily total appearance frequencies for each individual listed on every watchlist profile. |
| Face Board | <ul style="list-style-type: none"> Updates the face index every ten seconds and enables multi-camera plus date-range filtering. Provides daily statistics alongside a ten-minute Face Board that consolidates duplicates for clarity viewing. Allows one-click selection of faces to add into Albums or open new Investigations immediately. Automatically captures faces exceeding 100x100 pixels from video sources and indexes them for search. Stores captured face photo and face feature from live camera streams for 14 days continuously. On new face entry, compares against Album records to identify matches with predefined watchlists automatically. Performs one-second matching throughput for up to ten thousand stored face. |
| Investigate | <ul style="list-style-type: none"> Searches captured faces from live camera streams within specified time ranges for. Searches original VMS archive. Supported VMS: Network Optix VMS. Displays incident lists and timelines with 5 second video clip playback before and after each captured face. Search nearby person allows operators to lock any person during playback, instantly launching a fresh investigation thread session. Adjust face-matching thresholds to refine accuracy from observed recognition outcomes |
| Watchlist | <ul style="list-style-type: none"> Offers five albums to upload faces and store matches flagged on the central Face Board. Delivers instant notifications to operators whenever any watchlisted individual is detected by cameras onsite immediately. Delivers Email, VMS events, HTTP, LINE, and Telegram notifications to alert users of watchlist events in real time. Supports flexible photo transfers between albums, simplifying ongoing watchlist maintenance and organization for staff seamlessly. Accepts photo uploads (in JPG or PNG format) to populate watchlists with high-quality reference images for matching. Upload photo on phone by scanning QR Code. |
| Map | <ul style="list-style-type: none"> Enables uploading of detailed site or floor maps for visual camera placement during setup layouts. Supports drag and drop positioning of registered cameras onto the map for fast onsite setup. Plots subject movement routes in chronological order using data returned from investigations for accurate review. Click camera on the map to review the incident with video clip playback instantly. |
| Cases | <ul style="list-style-type: none"> Generates one-click PDF event reports Download interactive HTML video summaries for sharing with stakeholders. Allows saving investigations as cases, exporting bookmarks, playable clips, and adding faces to Albums securely. Enables scene annotation by circling targets and blurring non-targets to meet privacy requirements standards. |
| Setup | <ul style="list-style-type: none"> Connects IP cameras, VMS, DVRs, and NVRs through the standard RTSP streaming protocol interface standardized. Integrates seamlessly with video sources for unified device management across the entire deployment. Offers adjustable face-matching thresholds, refining accuracy from observed recognition outcomes in real time continuously. |
| Channel | <ul style="list-style-type: none"> Detect Area: Mark the area on the camera view where detection should occur. Only faces that enter these zones will be detected Excluded Area: Mark the area on the camera view where detection is disabled. Any faces within these zones are ignored |

Purchase Information

		Hardware Appliance		Software License
Product Model		ZTR-4220	ZTR-4250	ZTR-4200
Maximum Number of Cameras		20	50	50
Number of Video Archives		VMS Camera number		VMS Camera number
Hardware Specifications	CPU	13th Gen Core i7-1360P	13th Gen Core i9-13900K	Follow hardware sizing plan
	Memory	16 GB	32 GB	
	Storage	1 TB	1 TB	