

EvTrack *HIKVISION*[®]

Direct Reader Integration

Introduction

The solution is ideally suited to security estates, construction sites, student accommodation, and mixed-use buildings where multiple access point types, credential methods, and user categories need to be managed from a single platform covering tenants, employees, contractors and visitors alike.

EvTrack manages the complete visitor lifecycle — registration, credential provisioning, host approval, and check-out — while Hikvision terminals enforce access at the physical control point. EvTrack’s server communicates with supported Hikvision devices via the Hikvision ISAPI protocol.

When a visitor or employee is registered, EvTrack creates the profile and pushes the appropriate credential (face, card number, or QR code) directly to the Hikvision device. On a successful authentication event, the device activates its relay output to grant or deny access. Management of the system is via EvTrack’s web portal interface.



K1T673 Face + QR + RFID



K1T342 Face + QR + RFID



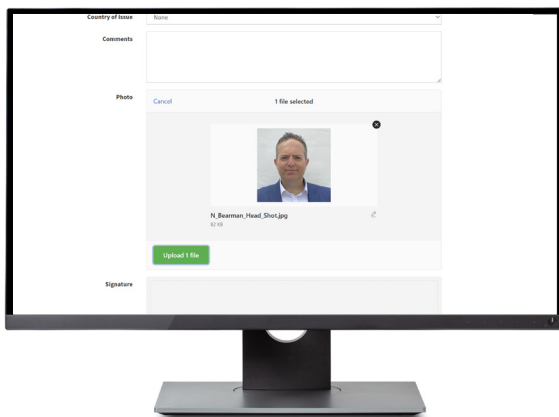
K1T502 Pin + QR + RFID



K1T805 Pin + RFID

EvTrack’s Hikvision integration covers employee, visitor, and user access control — delivering seamless credential management across a range of Hikvision terminal hardware which have integrated controller hardware and IP interfaces. On the DS-K1T673DX and DS-K1T342MWX-E1 face reader devices, EvTrack supports facial recognition, digital QR code, and RFID card/tag access — all three credential types on a single platform.

Visitors, employees, and users can all be enrolled via a dedicated EvTrack registration weblink, allowing face images to be captured remotely before arrival. EvTrack communicates directly with Hikvision edge devices for this purpose — no software middleware is required.



EvTrack Web Portal Interface - Uploading a Facial Image

Features



Visitor & Employee

Registration through the EvTrack Web Portal, Weblink, Visitor Kiosk or Hand-held Guard Visitor Scanner. As well as with EvTrack’s software API.



Supported Devices

Compatible with the Hikvision K1T673, K1T342 and the K1T341 Face Readers + the K1T502 and the K1T805 which are Pin/RFID Readers.



ID & Passport Scan

Capture visitor ID documents incl passports, driver’s licences, and ID cards alongside the facial credential during registration.



Cloud or On-Premise

EvTrack’s server application is available as a cloud-based (SaaS) or an on-premise or customer-hosted server deployment.

EvTrack / Hikvision Integration

How it Works

When a visitor, employee, or tenant arrives or is pre-registered, their details are captured through EvTrack's self-service kiosk, Guard handheld device, web portal, registration weblink, or via the EvTrack API. A profile is created on the EvTrack server — including facial image, access permissions, and credential validity period.

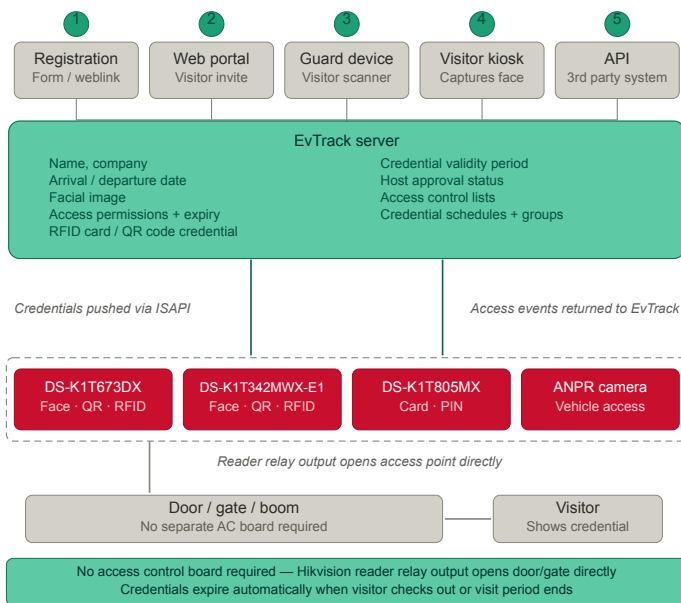
EvTrack then pushes the profile directly to the Hikvision device via the Hikvision ISAPI protocol, where an access control credential — face, QR, pin code or RFID card — is created with defined start and end dates. No middleware is required. *Not all models support OTP.*

The credential is loaded directly onto the Hikvision reader. When the visitor, employee, or tenant presents their face, QR code, or card, the reader activates its relay output to open the door or gate. Access and authentication events are transmitted back to the EvTrack server in real time, providing a full audit trail of all access activity across the site.



EvTrack to Hikvision Adhoc Visitor Workflow

EvTrack / Hikvision Reader System Architecture



Credentials Transferred to Hikvision Readers

QR Code

OTP

Face Credentials

RFID Tags/Cards



Other Features

- **Software Anti-Passback** — EvTrack enforces anti-passback rules at the software level, preventing credential re-use at the same access point. Configurable on a credential or entity basis to suit the security requirements of the site.
- **Access Control Schedules** — Define time-based access rules per access point, access group, or individual credential — ensuring visitors, employees, and tenants can only access areas during their permitted hours.
- **Time, Date & Use Limit Controls** — Credentials can be restricted by start and end date, time of day, and number of uses — providing precise control over temporary and permanent access rights.
- **Access Control Points & Groups** — Configurable access control points, locations and groups allow granular mapping of which individuals or credential types may access specific doors, gates, or zones.
- **Event Logging & Reporting** — Access events from Hikvision devices are transmitted back to EvTrack and recorded against the visitor or employee record. Audit reports are available via a logbook, on the person's profile or exportable via CSV.
- **Hikvision ANPR Camera Support** — EvTrack supports Hikvision ANPR (Automatic Number Plate Recognition) cameras for vehicle access control, enabling licence plate-based entry and exit management alongside pedestrian access.