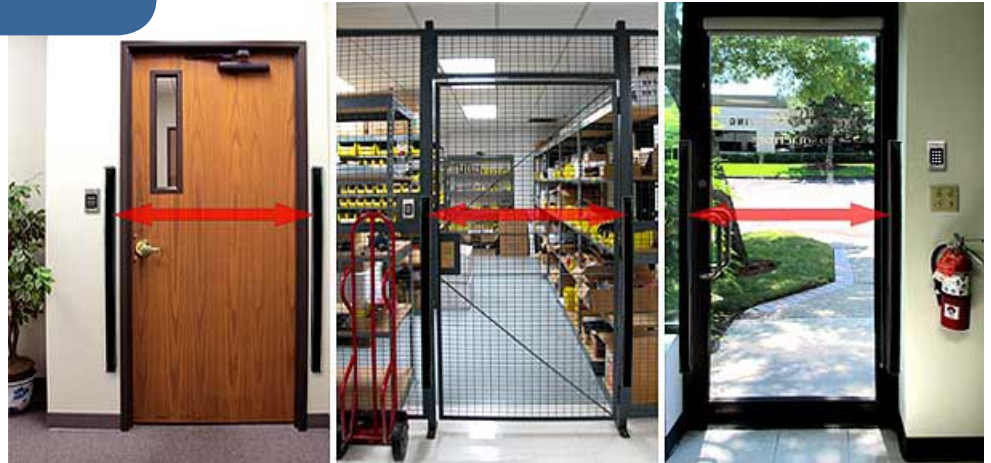# T-DAR Entry Vision
Single Door Tailgating Detection System

Superior detection at its core, simplicity in its design

Key Features:

- Cost-effective tailgating detection
- Detects crawlers but ignores carts and luggage
- Integrates with any current access control systems
- Easily mounts to standard door frame or wall
- Pre-programmed, no commissioning required
- Card-stacking capability allows high throughput
- Works in full ambient light or total darkness
- Blends in with architectural styling

The T-DAR Entry Vision Model EV100 attach easily to a standard metal door frame or to the wall. The system is adaptable to most common settings: restricted office areas, parts storage and exterior doors.

The T-DAR Entry Vision Model EV100 consists of two modules of similar appearance: the Detector module and the Emitter module.

The T-DAR Entry Vision Model EV100 is a tailgating detection and direction control system that adds an additional layer of security to an existing access-controlled single door, passage way or corridor.

The sophisticated machine vision detection system uses proprietary Newton software to admit only one person into a restricted area per valid authorization, while allowing carts or luggage to accompany them with no alarm.

Entry Vision consists of two modules: the Detector module housing three tracking cameras and the Emitter module with a strip of infrared (IR) illuminators. Entry Vision enables owners and integrators to exercise choice in connecting the type of output response devices that would be most appropriate: a flashing light, an audible alarm, initiating video recording, or sending a silent signal to security control.

Entry Vision easily adapts to most doors or passageways and is uncomplicated to install and commission; no qualified technician is required and no training is required. The system is configurable with a user interface via a USB port in the base of the Detector module.

Entry Vision is designed to accept data from virtually any badge or access system, including biometric and smart I.D. systems. The system can provide access control in both directions (entry and exit), detecting the direction of travel. An access reader on both sides of the door may be used for bi-directional control. • • •

Additional Applications

In addition to tailgating detection, Entry Vision technology may also be applied in:

- Elevator Control
- Escalator Control
- Person Counting
- Asset Tracking and Verification
- Directional Control
- Optical Turnstiles
- Barrier Arm Turnstiles
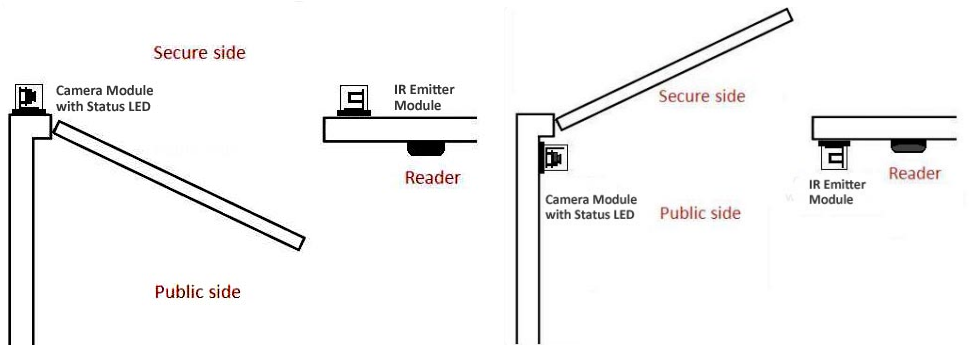- Barrier Gates (Wing Style)
- Automated Immigration Gates

T-DAR Entry Vision Model EV100 Technical Information

Item	Specifications
Dimensions (each unit)	2.63 in. X 2.25 in. X 46 in. (67 mm X 57 mm X 1,17 m)
Weight (each unit)	7 lbs. (3 kg)
Construction	Extruded aluminum and extruded plastic filter
Mounting attachments	Mounting via four holes on the back panel (Optional mounting spacers available)
Operating temperature	40° to 110° F (4° to 43° C (optional high and low temperature systems available)
Storage temperature	0° to 125° F (- 18° to 52 ° C)
Power input voltage*	12 - 24 VDC @ 2A
Inputs	4 ea. Opto-isolated digital
Outputs	4 ea. relays 2A each
USB connection	Micro USB

*Power Supply NOT Included

Offices and manufacturing facilities of Newton Security are located minutes south of Seattle, Washington.

Company Background of Newton Security Inc.

Newton Security Inc. is a privately held firm delivering high technology solutions for the security issues of tailgating and piggybacking. Newton is the world's largest manufacturer and supplier of 3-D, stereo machine vision, single person detection systems. **The company was founded in 2002** to specifically develop a reliable solution to the tedious and often manpower-intensive problem of stopping tailgating and piggybacking into restricted areas.

Newton systems are deployed world-wide at airports, government buildings, data centers, research laboratories, financial concerns, power plants, manufacturing sites, unmanned immigration and virtually every other category of secure areas.   •••

Note how the components in both the camera and emitter modules have been realigned to accomodate a door.

T-DAR Entry Vision Easily Adapts to Any Doorway

The T-DAR Entry Vision system is easily adaptable to any single doorway and wall configuration. The detector (camera) module is preferred to be positioned on the hinge side of a door frame, away from the door swing.

Depending on the wall and door relationship, either the detector module or the emitter module and perhaps both, will need to be realigned. Simply detach the dark plastic shield and remove the screws holding the L-channel containing system components and rotate the channel so that the cameras and IR emitters will face each other across the doorway, then reattach the screws and shield.   •••

A Continuum of Detection Security

The Newton Security Inc. product line delivers scalable levels of protection ranging from basic single-person entry detection and alarm, to the highest precision of detection and entry prevention.

Product	Security Level
T-DAR Mantrap Shield	Highest level of detection & blocking of tailgating violations
T-DAR Lobby Shield	High level tailgating detection for entry foyers & vestibules
T-DAR Door Shield	Single, double and multi-door tailgating detection
T-DAR Entry Vision	Single door tailgating detection

The T-DAR Entry Vision anti-tailgating detection system identifies violations but ignores carts and luggage.