Tailgate Detection, Alarm & Recording

T-DAR - a patented synthesis of stereo vision and sophisticated software that detects and prevents tailgating and piggybacking within a mantrap setting

Door locks and access controls are the usual means for protecting people and building assets, but two simple actions completely defeat every security measure.

1 ***The first*** *action is in the simple act of holding a secure door open, often out of politeness, allowing entry by an unauthorized person. This is piggybacking.*

2 ***The second*** *is an authorized person being unknowingly followed through a secure door by an unauthorized person. This is tailgating.*

The Newton Stereo Vision Solution

There is only one stand-alone technology that can prevent piggybacking and tailgating - the patented, stereo vision T-DAR® system (Tailgate Detection Alarm and Recording) by Newton Security Inc.

The T-DAR system reliably detects and prevents tailgating and piggybacking through secure doors, significantly boosting the effectiveness of access control.

T-DAR software is able to discern humans from non-human objects within the field of view of the stereo camera head and continues to track the human form while within the scanning coverage area.

The patented T-DAR security solution for mantraps is totally effective, compared to competitive technologies currently available, such as video analytics, break-beam systems or pressure mats.

T-DAR System Elements

T-DAR Cost Savings and ROI

Reducing overall security costs is a primary benefit of the T-DAR system by eliminating the need for monitoring personnel at many points within a facility. In many cases the T-DAR system has been used to automate the tedious and often manpower intensive problem of preventing tailgating and piggybacking at secure sites.

The return on investment can be expeditious, for instance if a facility is using 24-hour guard service, a T-DAR mantrap will pay for itself in a matter of months.

T-DAR Adapts to Your Operation

- **Low or no maintenance -** T-DAR has no motors, gearboxes or moving parts.
- **Simple to install -** no civil works such as the digging up of expensive flooring.
- **Adapts to existing building -** T-DAR can be installed into an existing corridor or small room, unlike the portal solution which can cause user rejection due to claustrophobia, etc.
- **Allows mixed traffic -** as a mantrap configuration, T-DAR can be used as an entry and egress point for both pedestrian and carts, unlike other technologies.
- **Thorough documentation -** Newton provides manuals, installation procedures and a checklist for your installer. Additionally, post-installation, on-site commissioning and training can be scheduled (for a fee).
- **User friendly -** within two weeks all employees will be accustomed to the system.
- **Handicaped adapted -** T-DAR is ADA (U.S.) and DDA (Europe) certified.

See T-DAR in Action!

Visit our website and watch the videos. Then call us to learn how T-DAR can benefit your facility with outstanding savings and greater security for people and assets.

T-DAR Deployments:

Airport Terminals

Data Centers

Banks and Cash Centers

A World of Applications:

- Manufacturing Plants
- Research Laboratories
- Government Buildings
- Schools and Universities
- Health Care Centers
- Correction Facilities
- Court Houses
- Power Plants
- Automatic Immigration Gates

NEWTON security innovation

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T-DAR

T-DAR - a patented synthesis of stereo vision and sophisticated software that detects and prevents tailgating and piggybacking within a mantrap setting

Operational Features:

- **Immediate and accurate** entry authentication and recognition.
- **Real-time alarm activation** and event camera playback when violations occur.
- **Real-time transmission** of alarm conditions and event video to central security.
- **Simple graphical user interface** controls all operating and communication elements.
- **The system allows for carts,** parcels and other objects, while simultaneously detecting unauthorized persons.

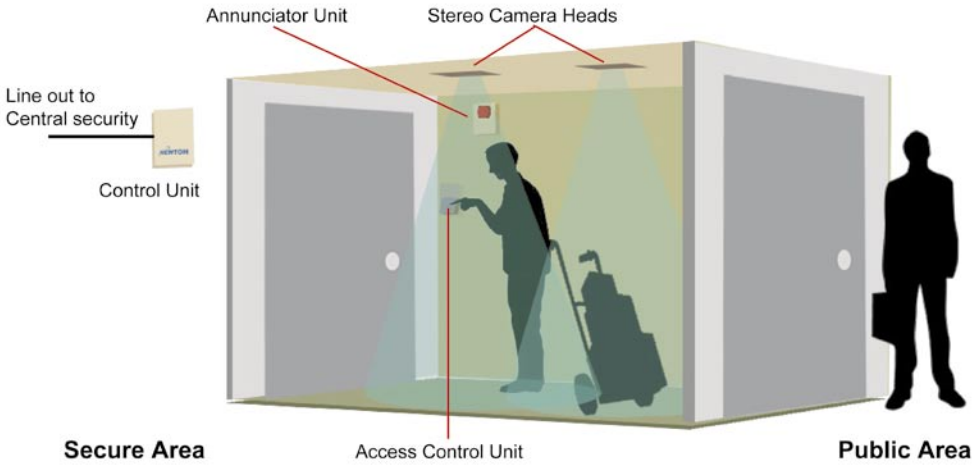
Globalized

The T-DAR system may be purchased in English as the major language for both the user interface and documentation; it is also available in Japanese. Other languages are available as options.

The Annunciator, the visual and audio alarm device, is easily field-programmable in any desired language or enunciation and is often supplied with various voices for particular countries.

T-DAR detects and alerts security to the presence of careless employees, unauthorized persons or suspicious intruders attempting entry through either mantraps or single doors.

T-DAR® Anti-Tailgating Anti-Piggybacking Barrier for Mantraps



What is a Mantrap?

A mantrap, also known as a security vestibule, is a secured space equipped with two or more electronically controlled interlocking doors and a detection system to insure that only one person at a time can pass through into a high security area such as a data center.

The physical size of a mantrap area can be as small as 5 ft. by 5 ft. and may be considerably larger and be programmed to accomodate a number of authorized people.

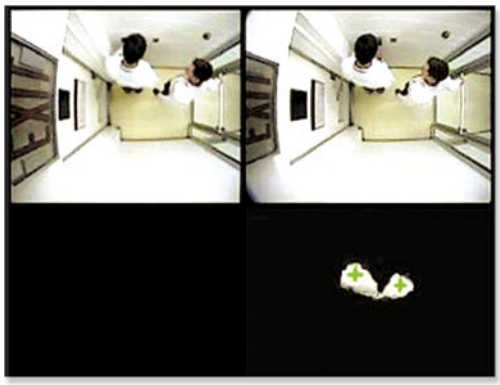
Upon entering a mantrap, the T-DAR three-dimensional, machine-vision system scans the area from above for confirmation of one person only. Identification such as a reader card or a biometric device must be presented to open one or more mantrap doors. If more than one person is detected, an alarm is sounded and access is denied. The mantrap communicates with the access control system for inputs and outputs from doors.

T-DAR System Elements

Control Unit

Stereo Tracking Head

Annunciator



What T-DAR "sees" - the sophisticated software receives input from stereo vision cameras in the ceiling and identifies the two humans and tags each of them with a green cross in this 5 ft. X 5 ft. mantrap. As only one person is allowed in the mantrap, T-DAR will sound an audio warning in a few seconds, instructing one person to leave, while keeping the secure-side door locked.

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Canadian Patent No. 2,481,250

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