

# Invisigate

## ES880 Glass Barrier Optical Turnstile

Designed for use in building lobby applications where higher security, high speed throughput and interior aesthetics are priorities. The Optical Turnstiles with Glass Barriers provide a visual as well as physical barrier which communicates to pedestrians that authorization is required before entering the secured area. The glass barriers can be configured for panels as high as 6'0" which provide a full height lockable barrier. These units will monitor high throughput traffic flow of up to 60 people per minute per lane.



### FEATURES & BENEFITS

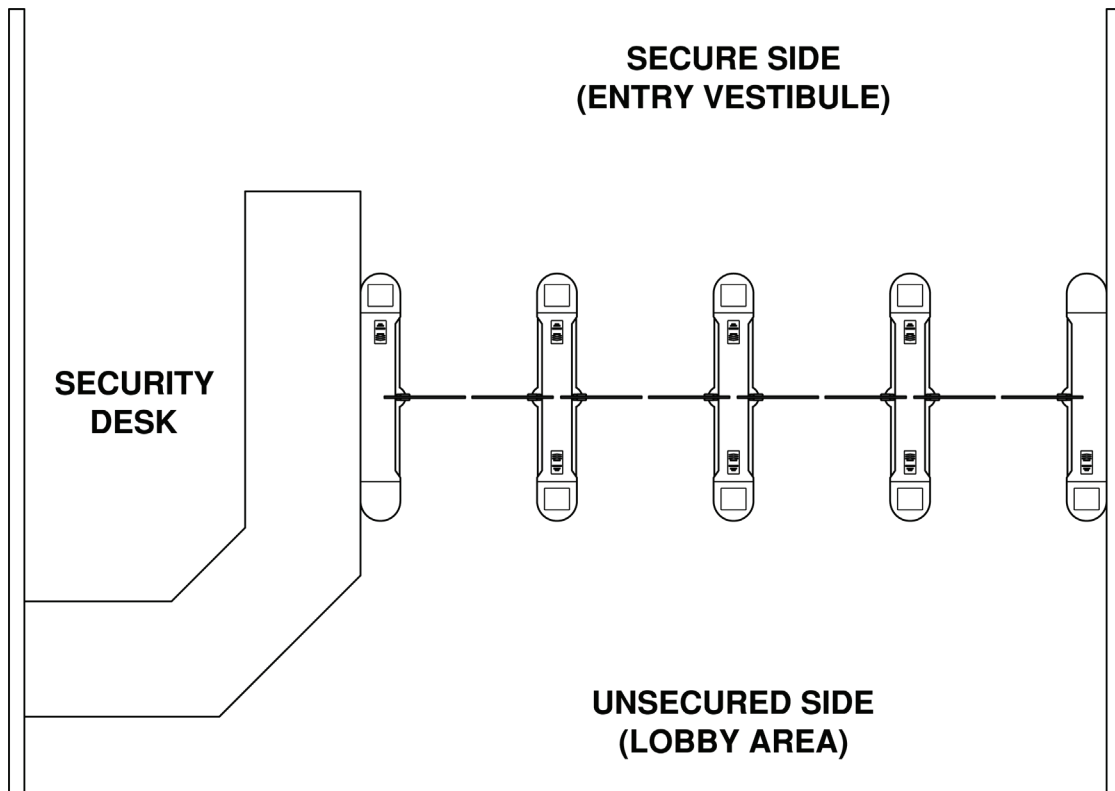
- Complements architectural styling
- Glass Panels can cover from 4" above the floor to 6'0" high
- No nuisance alarms from pull bags
- Custom etching available on glass
- Encourages employees to maintain access control procedures
- Detects tailgating
- Compatible with any access control system
- High throughput easy entry or exit for authorized personnel
- Field configurable for card-in/card-out or card-in/free-exit operation (No programming necessary)
- Reduces number of personnel needed to monitor building entry/exit points
- Meets ANSI/BMHA Door Break Away Standard for Power Operated Pedestrian Doors
- ADA compatible



ES880 Series

**DSI**<sup>TM</sup>  
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*A Detex Company*

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## ELECTRICAL SPECIFICATIONS

Power:	24 VDC @ 10 amps/Walkway
Control Inputs:	N/O - Momentary "Access Granted" (max. 1 sec. Pulse Closure)
	N/O - Momentary "Exit Granted" (max. 1 sec. Pulse Closure)
	N/O - Momentary "Invalid Card"
	N/O - Maintained "Lane Bypass"
	N/O - Momentary "Emergency Situation"
	N/O - Maintained "Glass Barrier Operation Disable"
	N/O - Maintained "Card-In/Free-Exit"
	N/O - Maintained "Entry Closed"
	N/O - Maintained "Exit Closed"
Status Outputs:	N/O - "Alarm Condition"
	N/O - "Passage Completed"
	N/O - "Passage Aborted" (after valid card read)
	N/O - "Glass Panel Tamper"
	N/O - "Bypass"

## MECHANICAL SPECIFICATIONS

Size:	64"L x 38"H x 10"W - Rounded ends
	48"L x 38"H x 10"W - Square ends
Construction:	Painted Steel Framework
Finish:	Top Surface: Dupont Corian/ Nevamar Fountainhead*
	Side Panel: Stainless Steel / Powder Coated Steel*
	Glass Doors: 4" A.F.F. x up to 6'0" A.F.F x 1/2" thick

\*Custom Colors and Finishes are Available

## CRITERIA FOR DESIGNING AN OPTICAL TURNSTILE WALKWAY

1. Determine the number of walkways required based on the desired pedestrian throughput and space availability. A conservative estimate of pedestrian throughput is up to 60 people per minute per walkway. This figure assumes the use of a fast response (1/4 sec.) card reader system.
2. Walkway bollards should be spaced 30" - 37" apart\*. Wider spacing may result in pedestrians attempting to pass through the lane two - abreast.

\* For walkways less than 30", a single glass panel is recommended (Non ADA).

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