

# Visdom HS<sup>®</sup>



SEEING IS KNOWING™



## 3D Stereovision Technology Provides Unparalleled Performance

The **Visdom HS<sup>®</sup>** (High Security) brings a whole new level of security to access-controlled automatic door systems by detecting unauthorized entry violations such as piggybacking and tailgating. With 3D stereovision technology, the **Visdom HS<sup>®</sup>** goes far beyond existing vision-based, weight-based, infrared, and ultrasonic systems. The **Visdom HS<sup>®</sup>** actually *understands the difference between true violations and everyday variations*—such as a person with a parcel or heavy clothing which other systems often detect inaccurately. **Visdom HS<sup>®</sup>** is the most intelligent security detection sensor in the market today—and the most reliable.

## Flexible Security Levels

The **Visdom HS<sup>®</sup>** can be tailored to meet the level of security you require. The sensitivity level can be set to detect up to four conditions: no person, single person, multiple people, and suspicious activity. Standard features include video output overlaid with Date/Time and Violation results graphics for monitoring or connection to a DVR. The **Visdom HS<sup>®</sup>** sensor interacts with Horton Automatics **ControlFlow™** security revolving door control to keep would-be violators out of the building or restricted area.

## Simple Installation

**Visdom HS<sup>®</sup>** installs easily on new or existing door systems, and does not require special mounting or special environmental conditions to perform. The system is a compact, self-contained “smart stereo camera” that includes all hardware in a single box. It mounts directly into the canopy of revolving doors at standard ceiling heights, and for sliding and swing doors, it mounts directly to the door header; no extended mounting arm is necessary.

## Visdom HS<sup>®</sup> Features:

- ▶ Stereovision 3D technology
- ▶ Available for slide, swing, and revolving doors
- ▶ Verifies authorized passage with Date/Time overlay on video
- ▶ Detects piggybacking and tailgating violations with Date/Time overlay on video
- ▶ User selectable security levels for detecting no person, single person, multiple people, and suspicious activity
- ▶ Video output for monitoring or DVR feed with current status message
- ▶ Self-contained – easily retrofits onto existing systems
- ▶ Immune to shadows, reflections and environmental changes

# Wisdom HS<sup>®</sup>

**Wisdom HS<sup>®</sup>** is a standalone machine vision product that integrates binocular image sensors, a dedicated Digital Signal Processor (DSP), and RS170 video display with graphics overlay all in a single small package.

## Image Sensors

- ▶ Dual stereo image sensors
- ▶ Available for 1-way or 2-way security revolving door systems

## Image Display

- ▶ Analog RS170 display output via BNC connector

## External Parallel I/O Interface

- ▶ Single 25-pin DSUB power and I/O connector
- ▶ 8 total 24-VDC outputs
- ▶ 4 entry, 4 exit
- ▶ System OK
- ▶ Single person
- ▶ Suspicious
- ▶ Piggyback

## System Status Indicator LEDs

- ▶ Four status LEDs visible at the front of the sensor module
- ▶ One blue power LED
- ▶ Three status LEDs; green (single person), yellow (suspicious person) & red (piggyback)

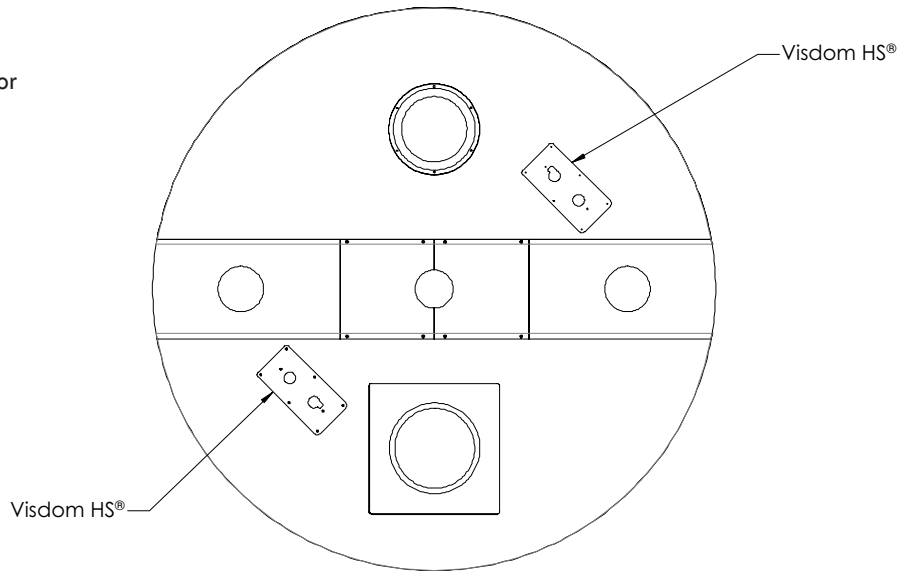
## System/Supervisory

- ▶ Real Time Clock (RTC)  
Time and date feature
- ▶ Power back up via supercap provides guaranteed 48 hours (1 week typical) of back up without loss of data

## Environmental

- ▶ Operating temperature range is 0° to 50° C
- ▶ Storage temperature -40° to 65° C
- ▶ Humidity (non-condensing) in range of 10% to 90%

Typical Revolving Door  
Ceiling Installation  
(Reflected Ceiling View)



## Video

- ▶ Analog video output via BNC
- ▶ Graphics overlay of timestamp and event information on the video in the presence of an event
- ▶ A DVR with multi-camera, pre-alarm trigger abilities, such as the D4 from Dedicated Micro can be used for event recording



4242 Baldwin Boulevard  
Corpus Christi,  
Texas, U.S.A. 78405-3399  
Tel: 800-531-3111, 361-888-5591  
Fax: 800-531-3108, 361-888-6510  
[www.hortondoors.com](http://www.hortondoors.com)

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**Horton Automatics, Ltd.**  
Unit A, Hortonwood 31  
Telford, Shropshire, England TF1-7YZ  
Tel: 01952 670169, Fax: 0192 670181  
International Tel: ++44-1952-670169  
International Fax: ++44-1952-670181



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