

# Intelligent 3D Stereo Vision

For Retail Management

# huperEyes 3D Series

## huperLab 3D Stereo Vision Technology

huperLab proprietary 3D stereo vision technology, combining huperLab's advanced 3D video algorithms and huperEyes dual-lens stereo cameras, achieves the high matched ability of human visual perception. The advantages of the 3D stereo vision technology list as follows.

### 98%+ High Accuracy

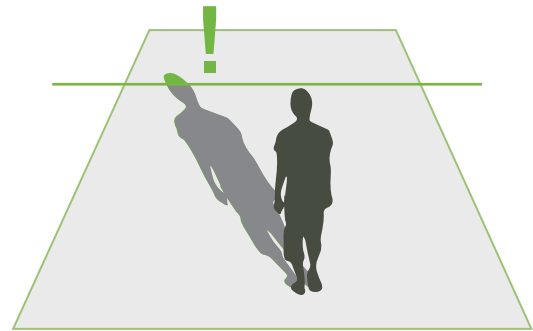
With the generated precise depth and height information, the 3D stereo vision technology performs far more accurate than conventional 2D vision technologies.

### High Tolerance to Critical Weather Conditions, such as Rain, Snow, and Wind

Reduce false alarm in dynamic environments from sudden light and shadow changes, car headlights, and fallen leaves.

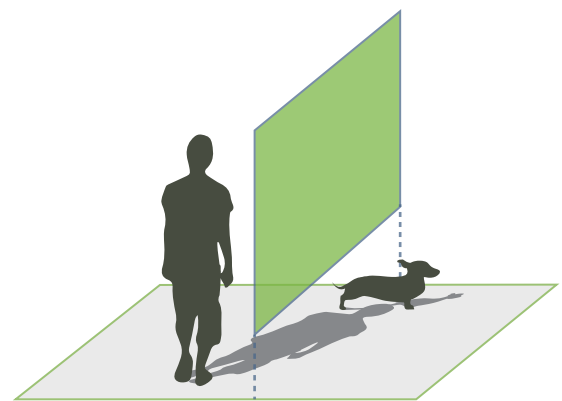
### Easy to Cascade 3D Stereo Cameras for Large Area Detection

The advanced cascading algorithm to stitch effective detection zones  
Counting in certain scenarios



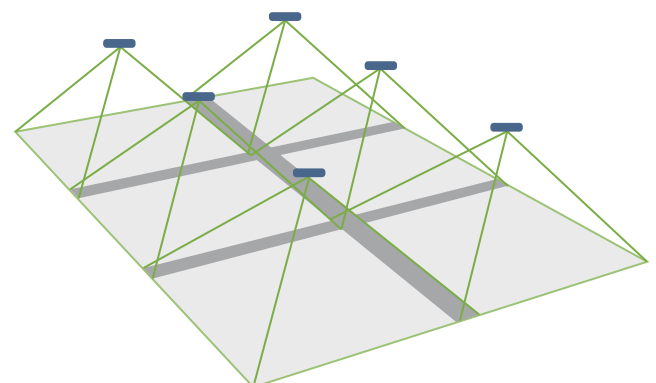
**2D Fence Line**

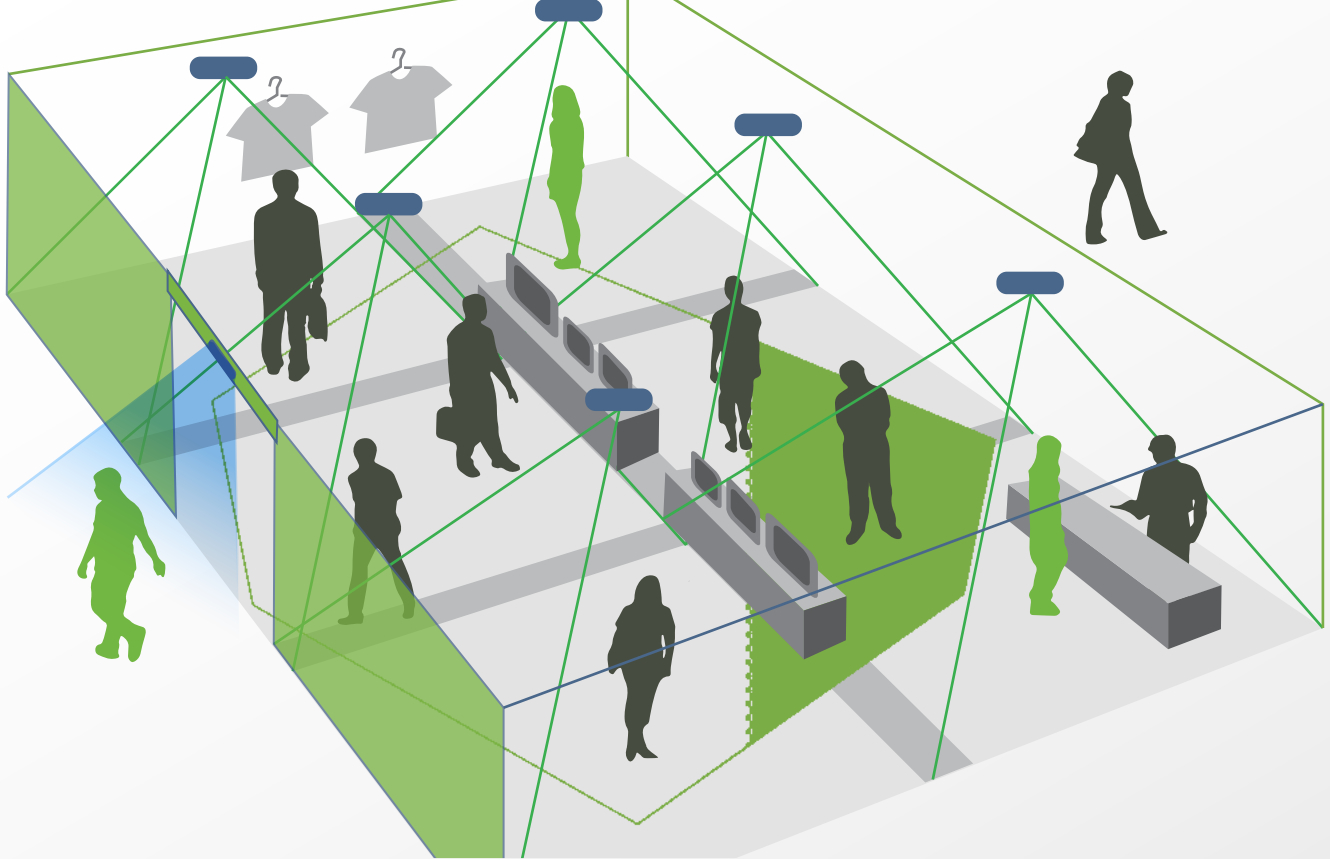
A person's shadow will cause a false alarm.



**3D Fence with Height Filter**

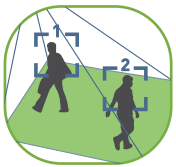
Specify the fence height filter to focus on specific targets only.





## 3D Video Analytics in Retail Management

Working with hyperAnalyzer video analytics management system, a wide selection of innovative 3D video analytics are ready to enrich your retail management to another level.



### 3D Area Counter

- Polygonal detection zone
- Alarms for overcrowding situation
- Multiple 3D camera cascading for large area\*



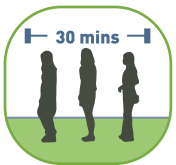
### 3D People Counter

- Multi-segment detection lines to fit different environments and demands
- Multiple bi-direction people flow tracking
- Filtering out U-turn counts



### Capacity Management

- Capacity management of counts at multiple entrances / sites



### 3D Queue Length Management\*

- Alarms for overcrowding and long wait
- Providing data of queue length, waiting time and serving time

#### Security 3D video analytics

3D Virtual Fence, 3D Tailgating Detection, 3D Fall/Stop Detection, 3D Secure Zone, 3D Air-lock Room, 3D Loitering Detection

#### Transportation 3D video analytics

3D Vehicle Counter, 3D Bus People Counter, 3D Mobile Detection

#### 2D video analytics

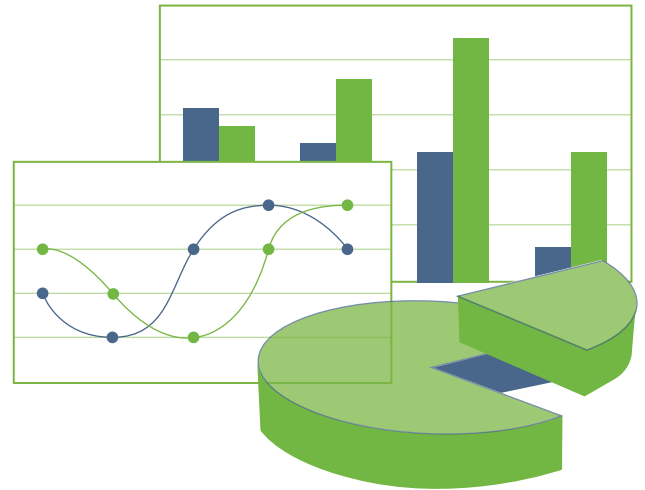
People Counter/People Counter Pro, Flame Detection/Flame Detection Pro, Virtual Fence Detection, Motion Detection (with object size filtering), Missing & Left Object Detection, Secure Zone Detection, Scene Change Detection, Flow Counting, Loitering Detection, Smoke Detection, Occupancy Counter, Access Counter, Car Plate Detection, Car Plate Recognition, Video Stabilization

\*Coming Soon

# Management System & Integration

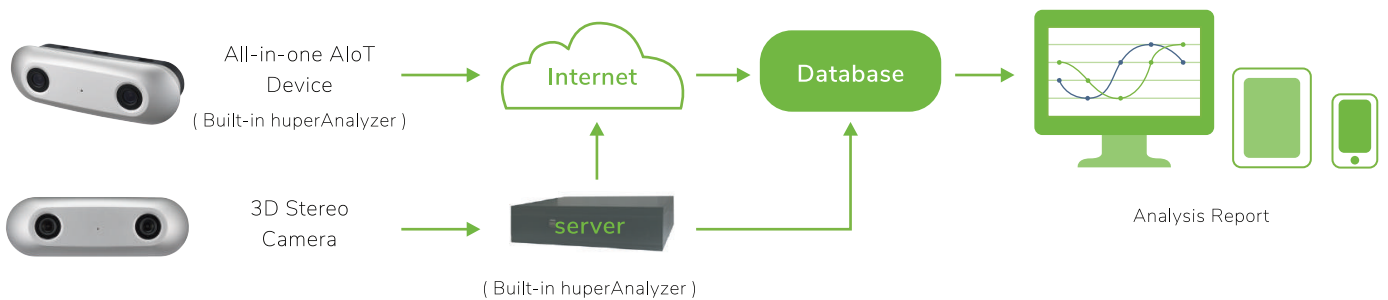
## Key Features

- Real-time counting & alarm reporting
- Push information and notification to smart phones
- Count / moving-path database for flow analysis, heatmap compilation, and analytical chart reports
- Digital inputs / outputs for integrating with device equipments
- SDK available for system / cloud integration



## 3D Camera Series

### Feature



### All-in-one AIoT Device

HE-S800 | HE-S804 (normal-medium detection area)



### 3D Stereo Camera

HE-A504 | HE-A505 (normal-medium detection area)  
HE-D716 | HE-D720 (wide detection area)

