

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.

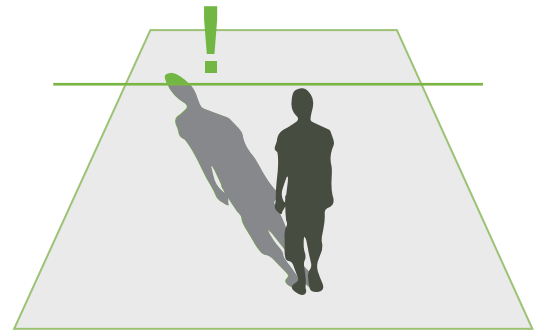
High Tolerance to Critical Weather Conditions, such as Rain, Snow, and Wind

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

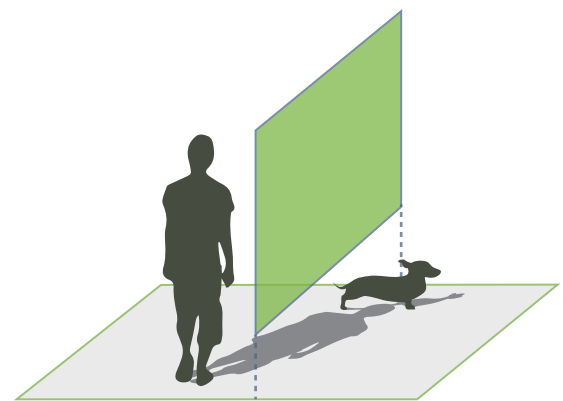
The advanced cascading algorithm to stitch effective detection zones

Counting in certain scenarios



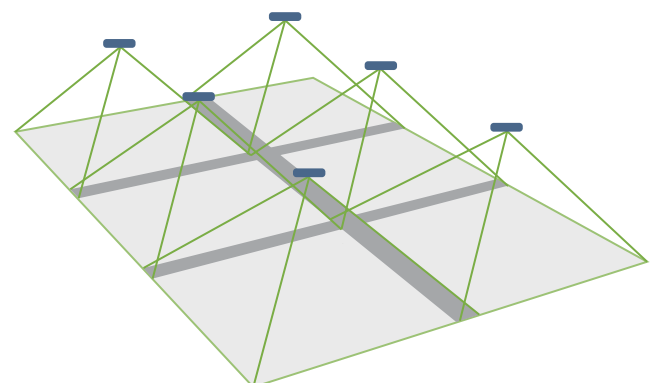
2D Fence Line

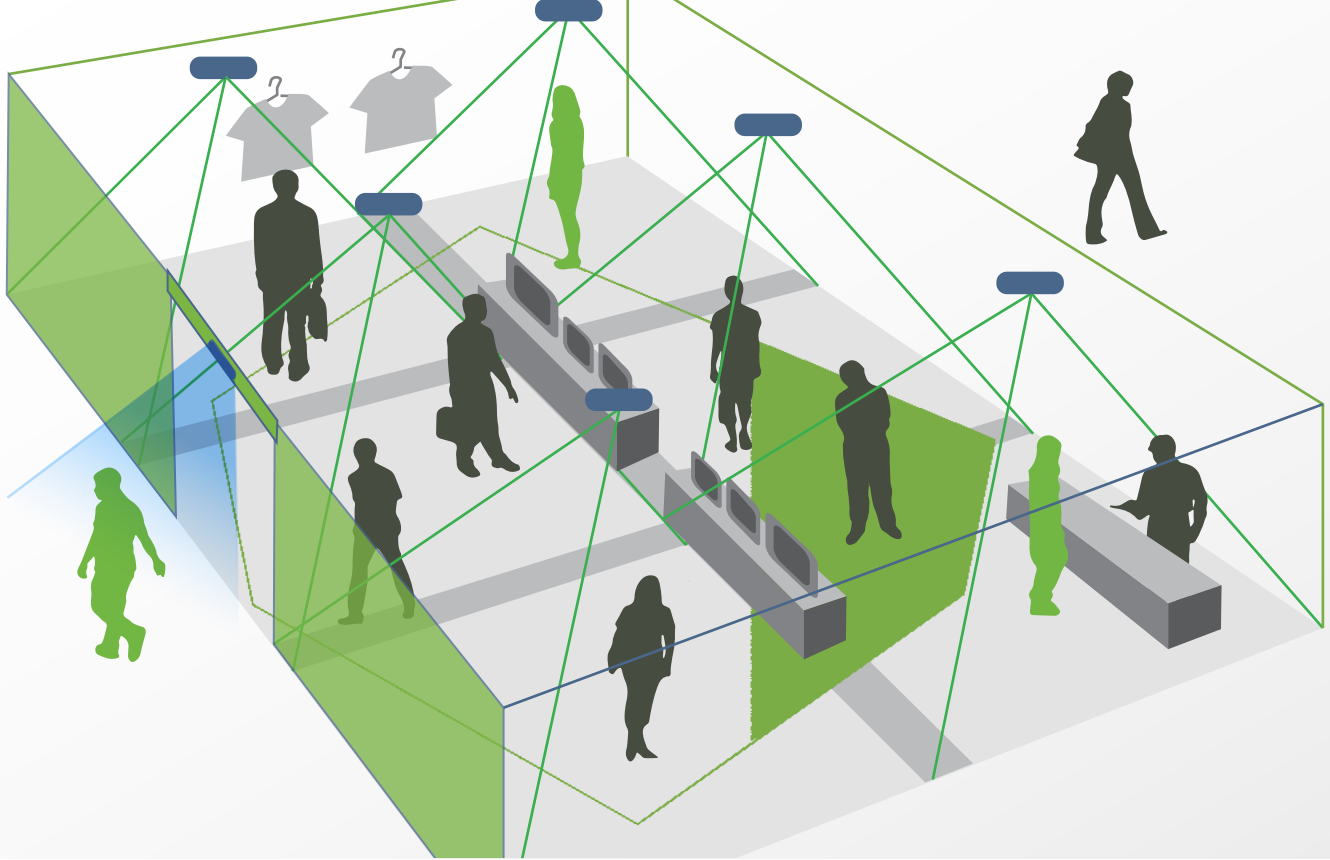
A person's shadow will cause a false alarm.



3D Fence with Height Filter

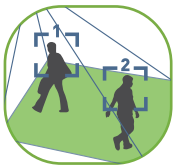
Specify the fence height filter to focus on specific targets only.





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.



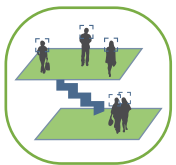
3D Area Counter

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



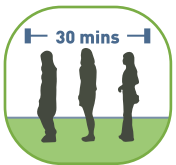
3D People Counter

- 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

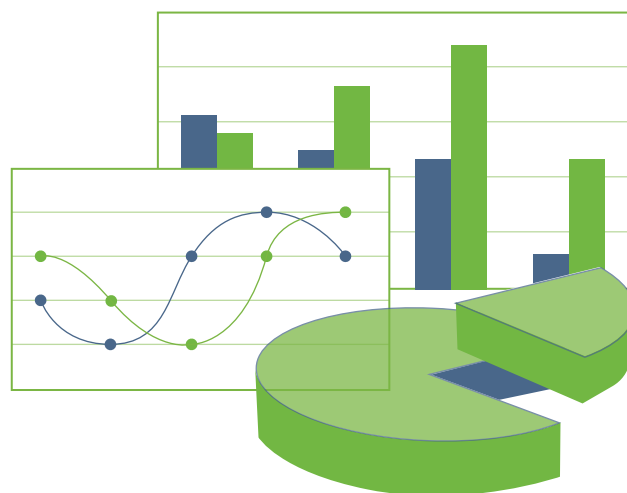
People Counter/People Counter Pro, Flame Detection/Flame Detection Pro, Virtual Fence Detection, Motion Detection (with object size filtering), Missing & Left Object Detection, Secure Zone Detection, Scene Change Detection, Flow Counting, Loitering Detection, Smoke Detection, Occupancy Counter, Access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

*Coming Soon

Management System & Integration

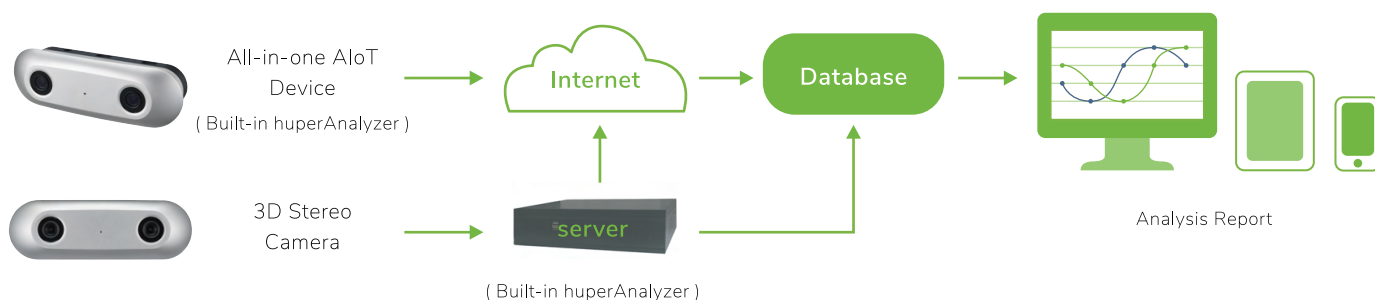
Key Features

- 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)

