



Intelligent 3D Stereo Vision

For Security & Surveillance

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

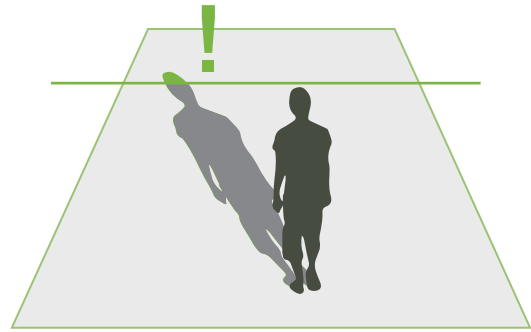
With the generated precise depth and height information, the 3D stereo vision technology performs far more accurate than conventional 2D vision technologies.

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.

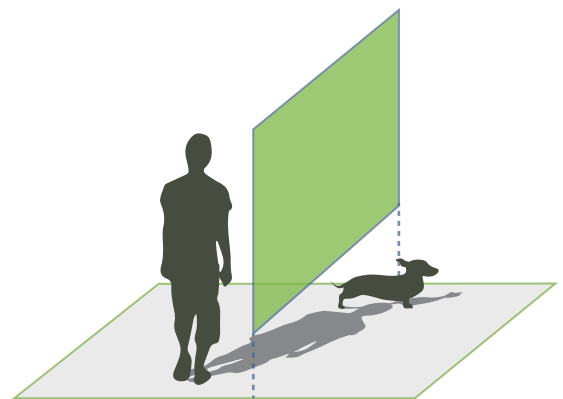
Easy to Cascade 3D Stereo Cameras for Large Area Detection

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



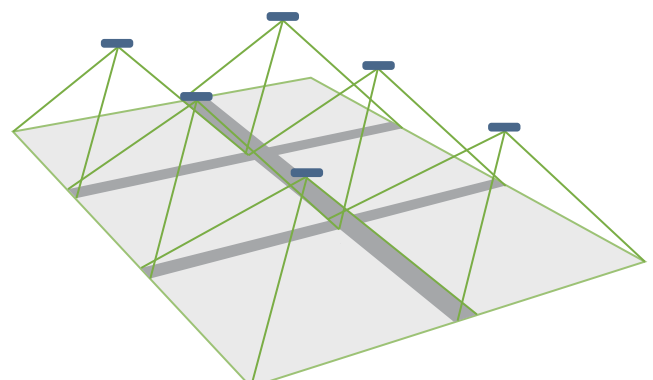
2D Fence Line

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.



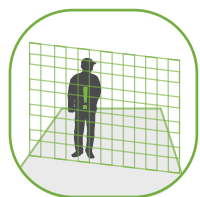
3D Video Analytics for Security & Surveillance

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



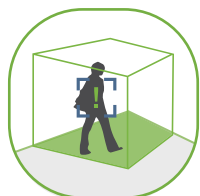
3D Tailgating Detection

- Integration with access control via digital inputs
- Real-time tracking tailgaters & trespassers
- Intrusion detection through invisible 3D virtual door



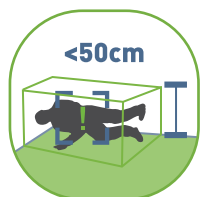
3D Virtual Fence

- Bi-direction virtual fence detection
- Selectable height range for filtering out
- Support touching fence & crossing fence mode



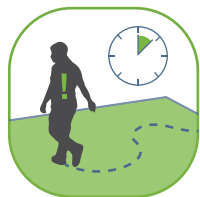
3D Secure Zone

- Polygonal detection zone to fit different environments and demands
- Selectable minimum loitering time in zone to alarm



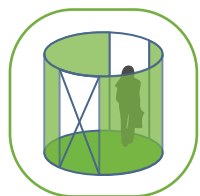
3D Fall / Stop Detection

- Selectable body sizes for filtering out
- Designating the fall-down/pause time to alarm
- Specifying the fall-down body ratio to alarm



3D Loitering Detection

- Raise an alert if suspicious people are loitering long in a monitoring area
- Real-time display loitering paths in different colors
- Adjustable minimum loitering time



3D Air-lock Room

- Flexible for small and large rooms
- Able to detect the tailgating situation
- Digital I / O connect to access control, alarm devices and/or door controllers



3D Two-Factor Authentication

- Two authentications at different places to increase the security level
- Optional U-turn handling

Retail 3D video analytics

3D People Counter, 3D Area Counter, Capacity Management, 3D Queue Length Management*

Transportation 3D video analytics

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

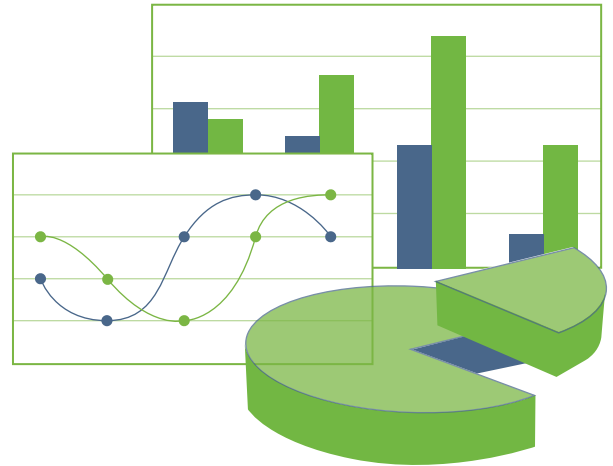
2D video analytics

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

Management System & Integration

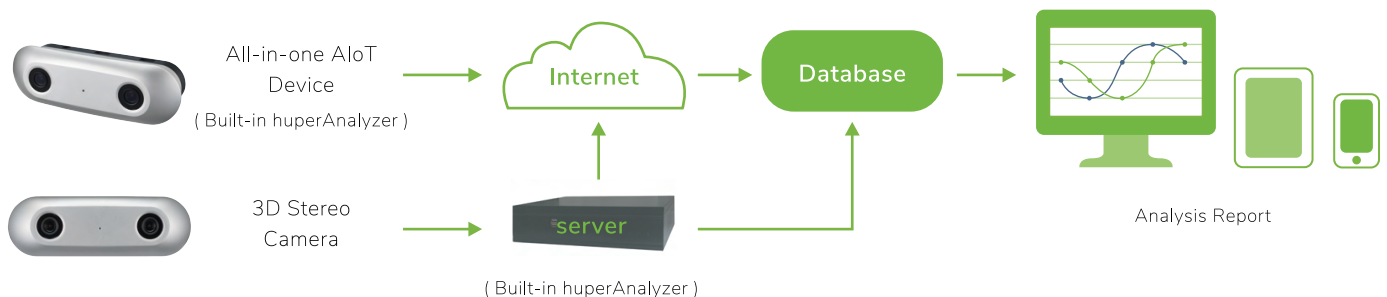
Key Features

- Central management of event notification, event management and event record searching
- Push information and notification to smart phones
- Two-way voice communication to handle events promptly
- Digital inputs / outputs for integrating with device equipments
- SDK available for system 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)

