3D SMART RETAIL

Innovative huperEyes 3D Stereo Vision
Learning Technology

huperEyes 3D Series
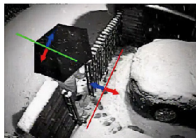
| Key Features

Reconstructed 3D Depth Data

huperEyes 3D Stereo Camera

The Image in a Real Scene
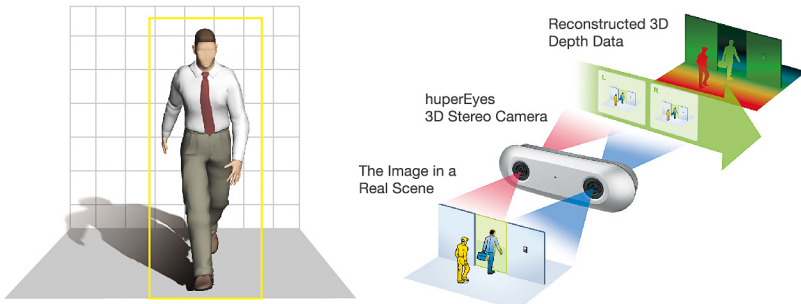
- Proprietary 3D stereo vision & depth perception technology
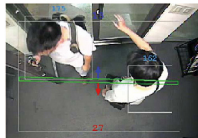
3D People Counter   3D Virtual Fence

U-Turn

3D Area Counter   3D Fall Detection   3D Tailgating Detection

- 98%+ high accuracy for wide varieties of applications

  Able to handle U-turns and designate flow directions for people counting in certain scenarios

- High tolerance for critical weather conditions, such as rain, snow, and wind
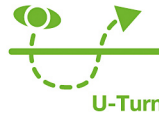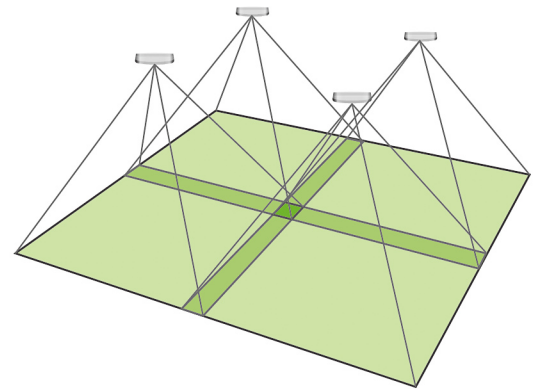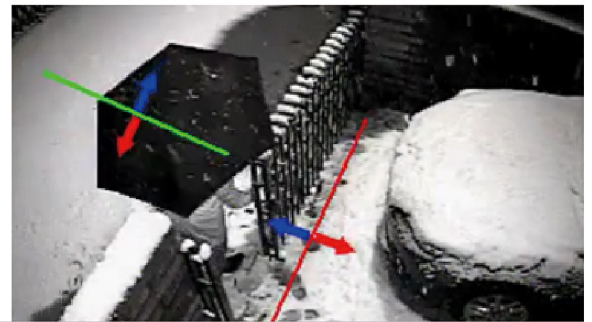
- Easy to cascade 3D stereo cameras for large area detection

  The Advanced cascading algorithm to stitch effective detection zones

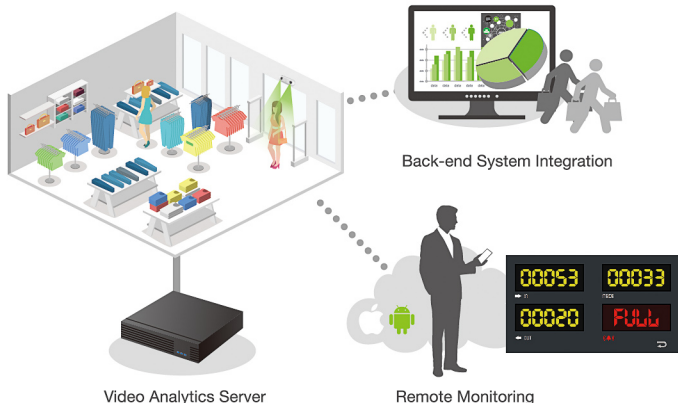- Reduce false alarms in dynamic environments from sudden light and shadow changes, car headlights, and fallen leaves

Back-end System Integration

Video Analytics Server

Remote Monitoring

- SDK available for system integration

Real-time visitor counting in 3D Stereo Vision

Improve security level to identify unauthorized intruders by tailgating detection

Visitor +1

Web-based analysis reports and push event notifications support on smart phones and tablets

Heat Map

Visual visitor flow and analysis information on heatmap

huperEyes 3D Smart Retail Solution

Analysis Reports	huperEyes 3D Smart Retail Optimization Suite	huperEyes 3D Stereo Cameras
Flow Count Report	3D People Counter	**All-in-one IoT Device**
Chart Report	3D Area Counter	HE-S800, HE-S804 (normal-medium detection area)
Heatmap	3D Tailgating Detection	
Event Report	3D Virtual Fence	**Stereo Camera**
Capacity Analysis	3D Secure Zone	HE-A504, HE-A505 (normal-medium detection area)
	3D Fall & Stop Detection	HE-D716, HE-D720 (wide detection area)

Key Features

- An all-in-one edge IoT device
- Dual-lens stereo video
- Proprietary 3D video analytics technologies
- Designed for indoor & outdoor use

- Built-in microphone & speaker
- Digital input/output support
- IP66 compatible

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Specifications

All-in-one 3D Stereo Camera

3D Stereo Camera for Wide Area

huperEyes 3D Smart

Product Model	HE-S800	HE-S804
Max. Mounting Height	4.4 m*	6.5 m*
Max. Depth Distance	Up to 4.4 m*	Up to 6.5 m*
Installation Angle	45-90 degrees*	
Image Sensor	1/3" Sony CCD	
Pixel	~410K	
Resolution	520TVL	
Memeory	DDR3L 2GB (on board)	
CPU	Intel® Atom™ Processor	
Storage	eMMC 32GB (on board)	
LAN	Gigabit LAN x 1	
Two-way Voice	Built-in MIC/Speaker	
Operation System	Win 10 IoT Enterprise Entry	
External I/O	Micro-HDMI slot x 1 Micro USB 2.0 x 1/USB 2.0 x 1 Audio combo Jack x 1 Micro-SDXC card slot x 1 (support up to 2TB) Cables for LAN Port and GPIO	
Operating Temperature	0°~45° C	
Storage Temperature	-20°C~+70° C	
Operating Humidity	10%-90% (relative, non-condensing)	
Power Input	DC12V 3A DC-in	
Weight	1000g	
Dimension	230(W) x 75(H) x 70(L) mm	

huperEyes 3D Stereo Camera

Product Model	A504	A505
Mounting Height	2.4 m - 10 m*	
Detection Distance	Up to 10 m*	
Installation Angle	45-90 degrees*	
Image Sensor	1/3" Sony CCD	
Video Output	1.0Vp-p 75Ω Composite	
Pixel	~410K	~510K
Resolution	520TVL	700TVL
Minimum Illumination	0.08Lux/F1.2/IR ON 0Lux	
Two-way Voice	Built-in MIC/Speaker	
S/N Raito	>52db (AGC off)	
Gamma Correction	0.45	
Electronic Shutter	Auto (1/50(60)~1/100,000sec)	
White Balance	ATW,3200°~10000°K	
Operating Temperature	-20°~60°C	
Operating Humidity	RH85%	
LED	8 sets (IR 850 nm)	
Power Input	DC12V, 10W/1.5A	
Weight	700g	
Dimension	230(W) x 75(H) x 50(L) mm	

Note

1. *The numbers will vary based on the camera models and applications.
2. huperEyes 3D Smart supports Wi-Fi/3G/4G connectivity with an additional plug-in-connect USB dongle.
3. Product specifications and product pictures are subject to change without prior notice.