

RoboVision3D A Shopper Counting Solution

Information Sheet Aug 2014



RoboVision3D provides accurate shopper counts through the use of 3D vision technology.

Key Counting Features:

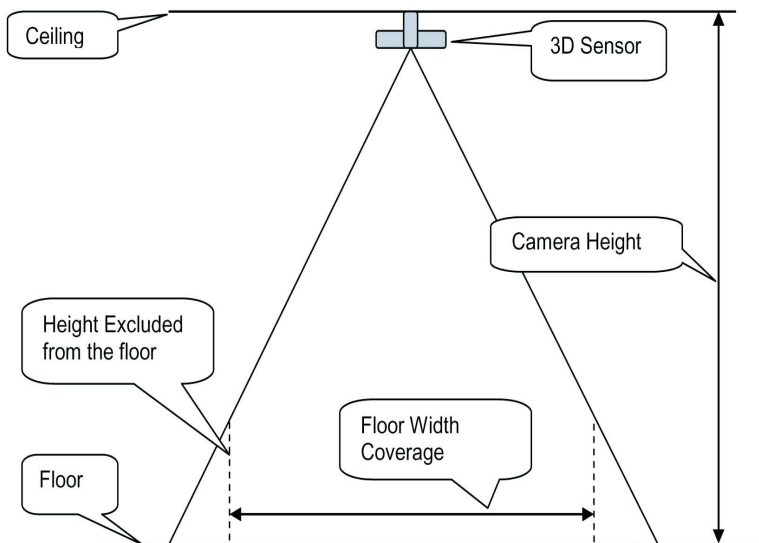
- ⇒ Infrared 3D-Counting provides high accuracy, typically upwards of 98%.
- ⇒ Ignores shopping carts. Can be configured to not count children.
- ⇒ Accurate Counting in Crowded Conditions.
- ⇒ Bi-directional Counting.
- ⇒ Counting accuracy is unaffected by shadows.
- ⇒ Queue length measurement.
- ⇒ Accurate counting even under poor lighting conditions, unlike stereo vision 3D.
- ⇒ Remote configuration and management of each RoboVision3D unit from anywhere in the world.
- ⇒ Easy Web interface for configuration and management.
- ⇒ Zillions of User Configurable Reports! E-Mail and FTP data.

Product Specifications

Installation:

Feature	Description
Box Contents	One Counting Unit, One 3D Sensor, Sensor mechanical mounts, One 4.5m USB repeater cable, Counting unit power supply.
Counting Unit Specifications	Remotely accessible for configuration from anywhere in the world. Standard PC interfaces.
Sensor installation height range	2.5m to 4.5m.
Floor length of coverage	Please see the next section.
Sensor Installation location	Indoor. Entry/Exit doors should not open into the count line of the sensor
Ease of software configuration for counting	Eliminates the need to set camera heights, object sizes, focal lengths.
Proof of counting accuracy	Calibration video can be recorded.

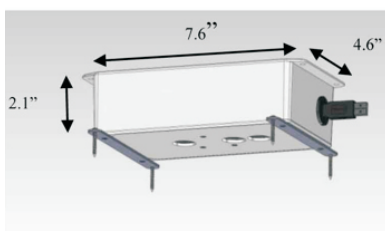
Floor Coverage



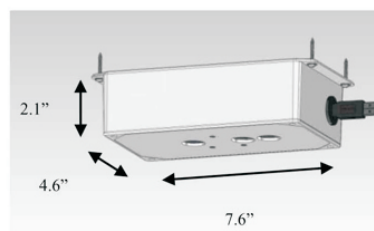
Camera Mounting Height (meter)	Height Excluded from the Floor (meter)	Floor Width Coverage (meter)
2.5	1.0	2.00
(Minimum)	1.1	1.87
	1.2	1.73
3.0	1.0	2.67
	1.1	2.53
	1.2	2.40
4.0	1.0	4.00
	1.1	3.87
	1.2	3.73
4.5	1.0	4.67
(Maximum)	1.1	4.53
	1.2	4.40

Environmental Specifications

Feature: Temperature range | **Description:** Indoor use only.



Sensor Ceiling Mount



Sensor False Roof Mount