



MORE LENSES, GREATER ACCURACY
DUAL-LENS PEOPLE COUNTING CAMERA



1 FEATURES

ADVANCE TECHNOLOGIES

The dual-lens people counting camera combines various crucial and advanced technologies, including binocular stereo vision, 3D people detection and tracking, and height filtering. Using binocular stereo vision, the camera is able to build a 3D axis corresponding with every object in the image and provides the data basis for 3D people detection and tacking and height filtering.

The image from the normal camera is planar – every object in the image has coordinates on the X axis and Y axis only

The image is a combination of the images from right lens and left lens. Every object in the image has coordinates on the X, Y and Z axes. The Z-axis coordinate represents height, which prevents the interference from other objects and improves the counting accuracy.



Image of Normal Camera



Final Image from Dual-Lens Camera (2D) and Corresponded 3D Image



HIGH ACCURACY

The counting accuracy exceeds %97 with the proper installation and correct configuration in the actual test. The accuracy improvement relies on the following aspects:



Good Anti-Interference

If two targets are very close to each other, such as two people walking shoulder to shoulder, the camera can distinguish them (as long as there is space between their heads).



Height Filtering

Based on the height information on the Z-axis, the target height should be in the range of average human height, thus filtering out possible interference by a cart, baby carriage, etc.

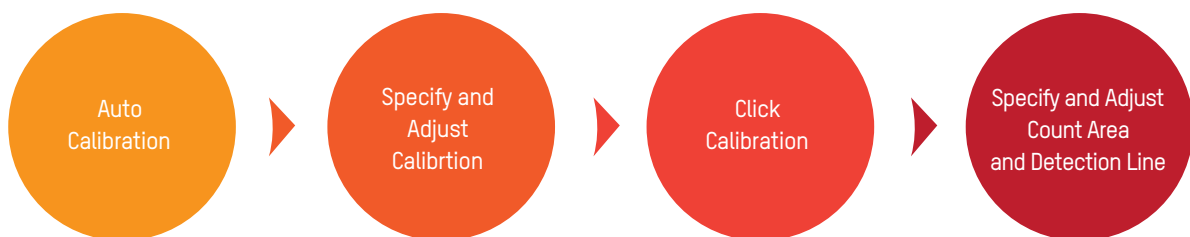


Loitering Filter -

The camera can focus on a target and track it until it disappears from the image, thus effectively preventing the repeated count of the loitering target.

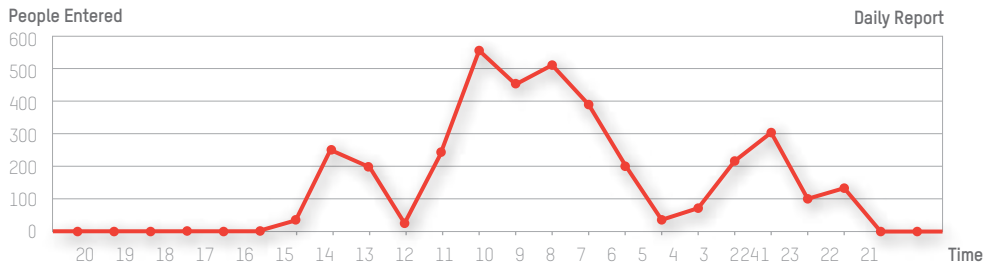
EASY CONFIGURATION

The dual-lens camera can automatically generate the installation height and pitch angle. A user need only confirm the data. It's never been so easy!



VARIOUS FUNCTIONS

The camera can generate the count data and provide daily, weekly, monthly and annual reports, providing added commercial value to users. Other statistic functions will be available in the future, such as the statistics of people passing by and queueing time.



2 SERIES PRODUCTS

DUAL-LENS PEOPLE COUNTING CAMERA

iDS2-CD6810F/C(2.0mm)
iDS2-CD6810F/C(2.8mm)

- 3/1" CMOS sensor
- 2mm/2.8mm lens
- PoE
- Built-in flash guarantees the people counting statistics storage without memory card
- On-board storage for ANR



Installation Recommendation

Focal Length (mm)	Installation Height (m/ft.)	Max. Detection Width (m/ft.)
2.0	8.22/2.5	5.9/1.8
2.0	9.8/3.0	9.5/2.9
2.0	11.5/3.5	13.1/4.0
2.8	9.8/3.0	7.2/2.2
2.8	11.5/3.5	10.2/3.1
2.8	13.1/4.0	13.1/4.0

3 APPLICATION SCENES

- Shopping Malls
- Super Markets
- Chain Stores
- Stations
- Museums
- Scenic Areas





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