



Head Counting Camera Smart Person Flow Statistics System

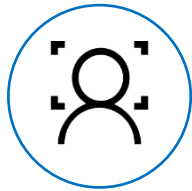
Leading Edge Head Detection Algorithm With
99% Accuracy and Web / App Visual Data View



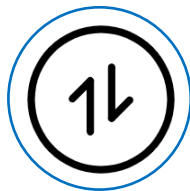
Person Flow Statistics System



The camera uses advanced head detection algorithm on 1080p resolution video streams. It detects heads in picture and tracks their movement trajectory, and calculates the two-way person flow. It sends the statistics in real time to a cloud server or a local host software for display or generating a warning message. The system can be deployed at stores, schools, hospitals, and other places where the person flow needs to be monitored or controlled.



Movement Analysis



Two-Way Statistics



Coverage Width 3.9m



Web/ APP/ Local Client
Management Platform



API Interface



Cloud Management

Product Features

- 1 **Real-Time Person Flow Statistics**
Real-time head detection and movement analysis
- 2 **Single device two-way statistics**
Simultaneously count incoming and outgoing person flows
- 3 **Across time data query**
Query of historical person flow by day, week, month, quarter, or year.
- 4 **Data management platform: Web / APP / local client**
Graphical display of person flow data



- 5 **Large screen dashboard display and data visualization**
- 6 **Chain store management**
Multiple stores can be managed in our account
- 7 **Multi-account management.**
Support main account and multiple sub-accounts



Product Advantages

- **Cutting edge head counting algorithm**
The camera is embedded with accurate head detection and movement analysis algorithms. It does not count until the person leaves the camera view, effectively filtering persons wandering under the camera.
- **Highly Accurate Statistics**
An accuracy of 99% is achieved in typical test environment.
- **No disturbance by person blockages**
- **Wide Coverage**
Coverage height: 2.5-4.5 m
Large FOV camera can cover 3.9m in width
- **Cloud Sever**
Easy management, easy expansion, remote maintenance, low cost.
- **Simple installation and easy to use**
- **Easy integration**
Standard APIs for third-party further development



Applications



Supermarket



Scenic area



Restaurant /Cafeteria



Exhibition hall

Installation Configuration

Lens selection	Installation height
2.8mm	2.5-3m
3.6mm	3m-4.5m

Hardware		
SOC		Hi3516CV500
Image Sensor		1/2.8" Progressive Scan CMOS
Effective Pixels		1920(H)×1080(V)
Interface		
Optical lens	Interfaces	M12
	Iris	fixed iris
	Lens type	2.8mm
Audio Talkback		1ch 3.5mm AV interfac
Audio Output		1ch speaker output, 3.5mm AV interface
Network	Lan	10/100M BASE-TX, RJ-45 connector
	RS485	1*RS485 interface
Alarm I/O		1ch alarm input, 1ch alarm output
Micro SD		Micro SD, Max 128GB
Smart Features		
Head Detection Algorithm		Advanced head detection algorithm, support head position detection , the pedestrian trajectory tracking ,output the number and direction of passenger flow accurately.
Single Test Time Consumption		70ms
Number of People Detection		40 one frame
Audio&Video encoding		
Video Compression		H.264/H.265/MJPEG
		H.265 Coding type: Main Profile
		H.264 Coding type: BaseLine Profile / Main Profile
Resolution	Main Stream	1920*1080/1280*720 1~30fps(adjustable)
	Sub Stream	704*576/640*480/640*352/320*240 1~30fps(adjustable)
Video Bitrate		30Kbps~16Mbps(adjustable): Supports CBR/VBR
OSD Settings		Text overlay supported like title, time, date, week, bitrate and etc. OSD location is adjustable
Privacy Mask		4 configurable regions
Image Orientation		Image Flip and Mirror
Auto Image Control Functio		Auto Exposure Control (AEC); Auto White Blance (AWB);Auto Gain Control (AGC)
Image Controls		Saturation, Brightness, Contrast, Hue, Sharpness, Gamma, D-
Others		AWnDtIR F ogging/Anti Trembling/IR Detection/IRIS/
Audio Compression		G.711A/G.711U/G.726
Two Way Audio		Support
Network Features		
Data storage		Video/image
Recording		Auto recording and manual recording (motion & sensor alarm recording, scheduled recording)
Alarm output		FTP, E-mail
Network protocols		TCP/IP、UDP、RTP、RTSP、RTCP、HTTP、HTTPS、DNS、DDNS、DHCP、FTP、NTP、PPPOE、SMTP、UPNP
Wireless protocols(-W)		-----
ONVIF protocol		PROFILE S
Remote View	PC	IE 6.0 above, Firefox, Google etc.
	Mobile Phone	-----
	User Access	Maximum 5 users
General Parameters		
Environmental Casing		Aluminum Alloy Housing, Indoor Applicable
Installation		Ceiling Mounted & Wall Mounted,
Operating Temperature		-10 °C ~ 50 °C
Operating Humidity		0% -85% RH
Power		DC12V±10%
POE		support
Power Consumption		<5W
Dimension		Φ108×H68mm
Weight		329g

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