SENSOURCE



STANDARD SENSOR

SENSOURCE PEOPLE COUNTING TECHNOLOGY

- ✓ Unmatched **Accuracy**
- ✓ Continually **Improving** Technology
- ✓ **Advanced** Features

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The Most Accurate People Counting Systems

Our people counters measure foot traffic with precision, while our analytics platform gives you accessible data to make critical decisions.



Count

With the power of 3D video and machine learning, SenSource people counters measure footfall, track and count individuals entering, exiting and dwelling with precision. With 97% or greater accuracy, you know your data will be trustworthy.



Transmit

Using PoE a single cable provides power and network connectivity. Data is processed on the sensor itself, no additional servers are needed, making real-time data available for immediate action.

WiFi capabilities are available, but is not ideal for most applications.



Report

Make the most of your people counting solution with Vea cloud-based reporting and analytics platform. Visualize facility usage and performance in a new way. Gain insight into the future and make strategic decisions.

Vea's intuitive drag-and-drop functionality makes reporting simple and customized.

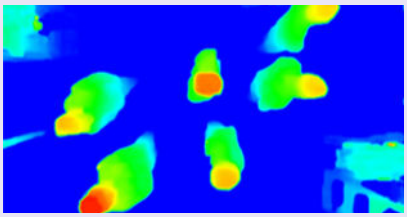
A Solution for Any Space

What sets SenSource apart from other people counting providers is our willingness and knowledge to serve a variety of industries, applications and project sizes. While each has its own uses for footfall data, the end results are all the same - footfall data is used to make better business decisions.









Robust Operation
Resistant to all kinds of external influences, such as shadows, light changes and heat emission.
Up to 9 sensors can be stitched into a single view for large area monitoring.

Employee Exclusion
Take accuracy to the next level by removing employee traffic from your data set by equipping staff with specially designed tags.

Future Proof
25 year MTB. Installed sensors can be upgraded in the field with firmware upgrades and new features. Artificial intelligence lays the foundation for future concepts.

The Reporting

Translate your raw foot traffic data into rich analytics to reveal patterns and profitable insights.

Traffic Analysis

Historical Comparisons





Predictive Traffic



Occupancy Monitoring

Modern Architecture

Vea is developed by SenSource's in-house team of software engineers using modern micro-services based architecture. Thoughtful separation between application components enables a high-performing, scalable platform.

Included API

A RESTful API is available by default for all Vea application features to integrate traffic data with your existing business software. Robust API documentation included.

Fleet Visibility

Vea puts you in control of your people counting system with visibility to your device fleet, including off-line sensor monitoring, date of last data push, and current sensor status.

Secure

All aspects of Vea are developed with security by design, such as login authentication, cloud hosting environment, and customer data schemas.

Vea is equipped with Enterprise SSO (single sign-on) authentication for simpler administration, better network security, and improved user productivity.

Want to see Vea in action? Click or Scan below to visit our YouTube channel.



Installation Services

The expertise behind accurate data
Our team of experts will custom configure the sensor settings during installation to ensure optimal accuracy. Accuracy is validated by video to meet our standards. Your sensor's health is continually monitored by our team for instances such as off-line status or out of scope accuracy.

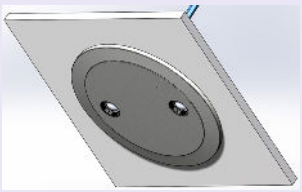
Installation services
Full installation services are available for single sites as well as full roll-outs. Certified technicians will run cable, install the sensor, and test for functionality and accuracy. Documentation is available for self-installation.

Mounting accessories
Each sensor comes with a standard mount kit that includes fasteners to mount the sensor to a drywall or drop-tile ceiling. It also includes a 1/4-20 back plate to accommodate accessory mounts or standard camera mounts.

Mounting Accessories

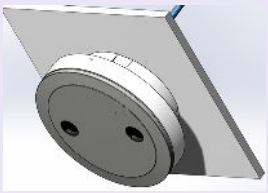
Each sensor comes with a standard mount kit that includes fasteners to mount the sensor to a drywall or acoustic/drop tile ceiling. It also includes a 1/4-20 back plate to accommodate accessory mounts or standard camera mounts.

For installations that cannot use our standard mounting kit, the below accessories are available. Request a pricing sheet.



Recessed Mount

Includes a white-finished mounting box, mounting ring, and screws. Used to mount the sensor flush with a suspended ceiling.



Surface Mount

Includes white cover with three-side-breakouts for the Ethernet cable and screws. Used for concrete ceilings or when cabling can't be run above the ceiling.



Outdoor models

Available for most models. Includes pre-assembled sensor enclosed in an outdoor-rated casing and cabling.



Extension Pole

Available in 22-40" (silver or white) or 10-18" (silver). Includes extension pole with bracket and screws. Used on any ceiling or wall type to lower the sensor from the ceiling or extend the depth from a wall.



Pivot Mount

Available in black or white. Includes pivot mount and screws. Used on any ceiling type, allowing to tilt the sensor in any direction.



Adapter Plate

Includes mounting adapter plate and screws. Used for workboxes or drop pole mount.

Black Cover

Black plastic cover to blend sensor to a dark ceiling.

Technical Specs



EASY INSTALLATION AND CONFIGURATION

- Suitable for any lighting condition
- Local product installation/remote configuration

MAXIMUM ACCURACY IN ALL APPLICATIONS

- Monitored area up to 35 m² (376.77 sq ft) with one device
- Up to 9 individual counting lines are possible per device
- The sensor's AI algorithms detect people and track movement with highest accuracy
- Accuracy of at least 98% even in crowded areas

OBJECT CLASSIFICATION

- Separate counting results for adults and children
- Detection of shopping groups
- Elimination of false positives caused by non-person objects

ZONE MONITORING

- Up to 8 individual zones of polygonal shape
- Fill level, dwell time and waiting time per zone
- Suitable for automatic queue and cash register management
- Detection and exclusion of U-turns

RELIABLE DATA

- Simultaneous recording of video and motion data
- Tailored software application to view video and motion data
- Offline verification of counting accuracy and customer behavior

TECHNICAL DATA

Operating voltage	Power-over-Ethernet, Class 0 (IEEE 802.3af, nominal 48V)
Power consumption	Maximum 6.0 W, 0.125A
Operating temperature	0 °C to +45 °C (+32 °F to +113 °F)
Storage temperature	Long-term storage (max. 6 months): +5 °Cto 35 °C/ +41 °F to +95 °F Transport (<1 month): -20 °C to +70 °C (-4 °F to +158 °F)
Relative Humidity	20 to 80% (non-condensing)
Pollution Degree	PD2 (acc. to IEC 62368)
Ingress Protection	IP40 (acc. to IEC 60529)
Shelf Life	6 months
Installation height	**Standard model:** 2.20 m to 6.00 m (7.22 ft to 19.69 ft)
Monitored area	Up to 35 m²/7 m x 5 m (376.77 sq ft /22.97 ft x 16.41 ft) depends on installation height
Dimensions	**Without Plastic Cover:** 12.76 x 8.89 x 3.16 cm (5.02 x 3.50 x 1.24 in) **With Plastic Cover:** 13.02 x 9.32 x 3.28 cm (5.13 x 3.67 x 1.29 in)
Weight	**Without Plastic Cover:** 250 g / 0.55 lb **With Plastic Cover:** 300 g / 0.66 lb
Required illuminance	Minimum 2 lux
EMC	IEC 61326-1 EN 61326-1 CISPR 11 / EN 55011 CISPR 32 / EN 55032 CISPR 35 / EN 55035 FCC 47 CFR part 15 Edition ICES-001, Issue 5
Reliability	at 40 °C MTBF 652,891 h, 74.53 years

INTERFACES

Ethernet	1000BaseT, PoE, RJ45 socket
Communication protocols	IPv6, IPv4, DHCP, HTTPS and password-protected configuration access
Data push protocols	HTTP(S), FTP(S), SFTP, MQTT(S), TCP, UDP
On-board data storage	Up to 3 years (depending on the number of counters)

Mounting Chart

HEIGHT	PC-VIDX-SE		PC-VIDX-SE-UL		PC-VIDX-SE-SL	
feet	L	W	L	W	L	W
7.22	2.46	1.39	3.94	3.28	2.46	1.39
7.55	3.69	2.09	5.50	4.51	3.69	2.09
7.87	4.92	2.79	7.05	5.74	4.92	2.79
8.20	6.15	3.49	8.61	6.97	6.15	3.49
8.53	7.38	4.18	10.17	8.20	7.38	4.18
8.86	8.61	4.88	11.73	9.43	8.61	4.88
9.19	9.84	5.58	13.29	10.66	9.84	5.58
9.51	11.07	6.27	14.85	11.89	11.07	6.27
9.84	12.30	6.97	16.41	13.12	12.30	6.97
10.17	13.53	7.67	17.96	14.35	13.53	7.67
10.50	14.76	8.37	19.52	15.58	14.76	8.37
10.83	15.99	9.06	21.08	16.82	15.99	9.06
11.15	17.23	9.76	22.64	18.05	17.23	9.76
11.48	18.46	10.46	22.97	19.28	18.46	10.46
11.81	19.69	11.16			19.69	11.16
12.14	20.92	11.85			20.92	11.85
12.47	22.15	12.55			22.15	12.55
12.80	22.97	13.25			23.38	13.25
13.12	22.97	13.94			24.61	13.94
13.45	22.97	14.64			25.84	14.64
13.78	22.97	15.34			27.07	15.34
14.11	22.97	16.04			28.30	16.04
14.44	22.97	16.41			29.53	16.73
14.76	22.97	16.41			30.76	17.43
15.09	22.97	16.41			31.99	18.13
15.42	22.97	16.41			33.22	18.82
15.75	22.97	16.41			34.45	19.52
16.08	22.97	16.41			35.68	20.22
16.40	22.97	16.41			36.09	20.92
16.73	22.97	16.41			36.09	21.61
17.06	22.97	16.41			36.09	22.31
17.39	22.97	16.41			36.09	23.01
17.72	22.97	16.41			36.09	23.71
18.04	22.97	16.41			36.09	24.40
18.37	22.97	16.41			36.09	25.10
18.70	22.97	16.41			36.09	25.80
19.03	22.97	16.41			36.09	26.25
19.36	22.97	16.41			36.09	26.25
19.69	22.97	16.41			36.09	26.25