AI Ultra High-Mount People Counter

VS126

The VS126 is a professional-grade people counting sensor specifically engineered for high-mount installations at heights between 6 and 15 meters. By integrating advanced binocular stereo vision technology, it achieves an industry-leading counting accuracy of up to 99.8% while ensuring full compliance with GDPR privacy requirements through built-in privacy protection features.

The sensor offers flexible connectivity options including Cellular and Power over Ethernet (PoE), allowing seamless integration into diverse network environments. For extended functional expansion, the VS126 provides multiple industrial interfaces (RS485, DO, DI) to enable integration with access control systems, digital signage, and building management platforms.

Designed for challenging high-ceiling applications, the VS126 delivers reliable performance in large indoor environments such as airports, shopping malls, libraries, and stadiums. Its robust construction and wide-area detection capability make it an ideal solution for accurate crowd monitoring and space utilization analysis in complex architectural spaces.

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◆ Features

Highly-efficient Sensing Ability

- Designed for installations between 6 and 15 meters, achieving up to 99.8% counting accuracy in high-ceiling environments
- Customizable privacy preview settings ensure that no personally identifiable data is transmitted, fully complying with GDPR
- Excellent lighting adaptability enables operation in low-light environments and complete darkness
- Supports line-crossing people counting, regional people counting, and dwell-time detection
- Supports heat map visualization for foot traffic intensity and distribution analysis
- Supports multi-device stitching, allowing up to 16 interconnected devices to expand detection coverage
- Supports local data storage and data retransmission for secure and reliable data collection

Rich Connectivity Options

- Provides multiple connectivity options, including PoE and Cellular
- Supports RS485/DI/DO interfaces for enhanced scalability
- Enables quick and easy management via the Milesight Development Platform
- Ensures high compatibility for data transmission through HTTP(s)/MQTT(s) protocols and API, supporting customizable content and push methods

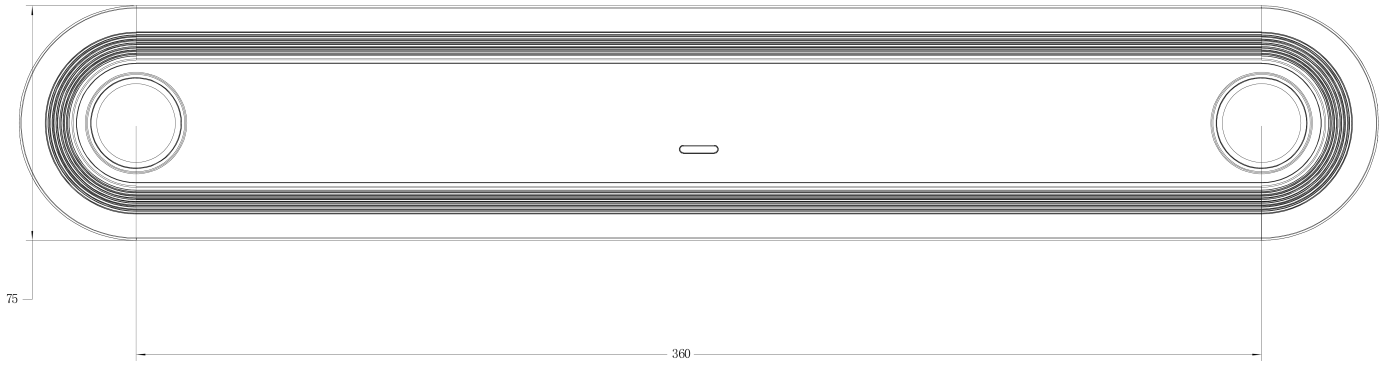
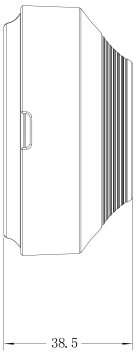
◆ Specifications

Version	**PoE Version**	**Cellular Version**
Model Name	**VS126-P**	**VS126-L0EGL**
Sensor		
Sensor	2 × 5MP Sensor (2704 × 2104)	
Installation Height	6 - 15 m	
FoV	Up to 75.4° Horizontal, 57.4° Vertical	
Required Illumination	0 lux with iR illuminators On	
Advanced Function		
Bi-Directional People Counting	Up to 4 detection lines for bi-directional people counting	
U-turn Filtering	Filter redundant counting of people wandering in the bi-directional people counting areas	
Regional People Counting & Dwell Time Detection	Up to 4 detection areas (up to 10 decagon for each area) for regional people counting and dwell time detection	
Group Counting	Support	
Heat Map	Support	
Multi-Device Stitching	Support up to 16 devices stitching to expand coverage	

Validation	8GB	
Data Retransmission	Support 8 × 50000 data retransmission packets	
Data Transmission		
Ethernet		
Ethernet Port	1 × RJ45 10/100 Mbps (PoE PD)	1 × RJ45 10/100 Mbps
Network Protocol	MQTT(s), HTTP(s), 802.1x, SSH, NTP, etc.	MQTT(s), HTTP(s), SSH, NTP, etc.
Ethernet Isolation	1.5 kV RMS	
Cellular		
Antenna	-	Internal Antenna
Network	-	4G LTE (CAT1)
Frequency Band	-	LTE-FDD: B1/2/3/4/5/7/8/12/13/18/19/20/25/26/28/66 LTE-TDD: B34/38/39/40/41
SIM Slot	-	1 × Nano SIM (4FF) Slot, 1.8V/3V
Other Interfaces		
Power Input	1 × DC Jack Connector	
DI/DO	1 × DI, 2 × DO	
Serial Interface	1 × RS485 (Under Development)	
Wi-Fi	IEEE 802.11 b/g/n, 2.4GHz (AP Mode for configuration)	
Button	1 × Reset/Wi-Fi Button	
LED Indicators	1 × RGB LED indicator	
Physical Characteristics		
Local Storage	Store up to one million data records and supports to export csv file	
Power Supply	802.3af PoE or DC 12V/1A	DC 12V/1A
Power Consumption	Avg. 8.0 W Max. 11.3 W	Avg. 5.4 W Max. 7.9 W
Operating Temperature	-20°C ~ 60°C	
Relative Humidity	0 - 95% (Non-condensing)	
Ingress Protection	IP40	
Dimension	435 × 75 × 38.5 mm (17.1 × 2.95 × 1.52 in)	
Weight	792.6g	796.1g
Color	White or Black	
Installation	Ceiling Mounting, Extended Ceiling Mounting & Lintel Mounting (with Optional Multifunctional Bracket)	
Approvals		
Regulatory	CE, FCC	

Environmental	RoHS

◆ Detection Area

Installation Height (m)	Detection Area(m^2)
6.0	6.55 × 4.91
7.0	7.70 × 5.76
8.0	8.72 × 6.54
9.0	9.62 × 7.21
10.0	10.40 × 7.80
11.0	9.73 × 7.29
12.0	9.97 × 7.48
13.0	10.08 × 7.56
14.0	10.06 × 7.55
15.0	9.92 × 7.43

◆ Dimensions (mm)