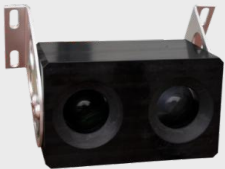


# UAV visibility meter

Model ES-V226W



## Main features

- Backscattering type
- Mini shape, ultra-light weight
- Low wind resistance
- Low power consumption, only 0.9 watts
- Strong anti-electromagnetic interference and dustproof function
- Can work at an altitude of 4000 meters and minus 20 degrees

## Application

- Aerial photography and film and television production
- Logistics and distribution
- Agricultural plant protection and monitoring
- Electricity and infrastructure inspection
- Disaster relief and environmental monitoring
- Military and public security

## Introduction

The ES-V226W visibility meter weighs only 110 grams and is designed for monitoring and collecting meteorological data in the air for unmanned aircraft or small unmanned inspection aircraft.

The ES-V226W is compact in appearance and has strong anti-electromagnetic interference and dustproof functions. It can work normally at an altitude of 4,000 meters and minus 20 degrees Celsius.

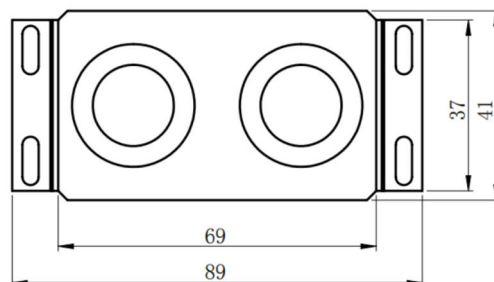
The ES-V226W is a "four-super" visibility meter with ultra-mini appearance, ultra-low wind resistance, ultra-light weight and ultra-low power consumption. The power consumption is only 0.9 watts, making it very suitable for small UAV platforms and flight control systems, as well as environmental monitoring using aircraft.

## Working principle

Haze is composed of many tiny water droplets and various fine particles in the air. Infrared light emitted from the light source is scattered by water droplets and then detected by a highly sensitive detector. Within a certain range, the more water droplets or other tiny particles are detected, the greater the intensity of the scattered light. The light scattering intensity is converted into a standard visibility value through embedded software calculation.

Unit:mm

## Dimension



## Specification

Detection range:	10-4000 meter
Measurement accuracy:	±15%
Light source:	IR LED
Response time:	10 seconds
Digital output:	RS485, RS232, SDI-12
Bluetooth output:	BLE5.0 (optional)
Working temperature:	-20-50 °C
Working humidity:	0-95%
Supply voltage:	VDC 12-24V
Power consumption:	0.9W
Visibility Dimensions:	69mm*37mm*42mm
Visibility + Mounting Bracket Size:	89mm*37mm*52mm
Visibility Weight:	110g

## Order guide

ES-V226W	Visibility Sensor	
	CODE	Signal output
	1	RS485
	2	RS232
	3	SDI-12
ES-V226W	1	Order example