

TDOA+ Drone Detection and Positioning System

Technical Data Sheet



PRODUCT OVERVIEW



Figure 1. D5-B

The TDOA detection and positioning system features passive detection, compact size, and light weight. The equipment can be fixedly installed or flexibly deployed and is suitable for use in various areas, including public safety, correctional facilities, airports, stadiums, water conservancy, hydropower, and other industries.

KEY FEATURES

Passive Detection: Passively receives and does not emit any electromagnetic signals

Autonomous Function: Autonomously operate around the clock, automatically classifying and identifying detected drone targets

Networking Positioning: Support multi-device networking operations, enabling directional positioning and trajectory tracking for multiple drones

Precise Identification: Precisely identify different drones of the same brand and model, and identify the electronic fingerprint of drones

Full Frequency Coverage: Covers 30MHz~6GHz bands

Black and White List: One-click to mark the black and whitelist, keep the white-list drones free from alarm

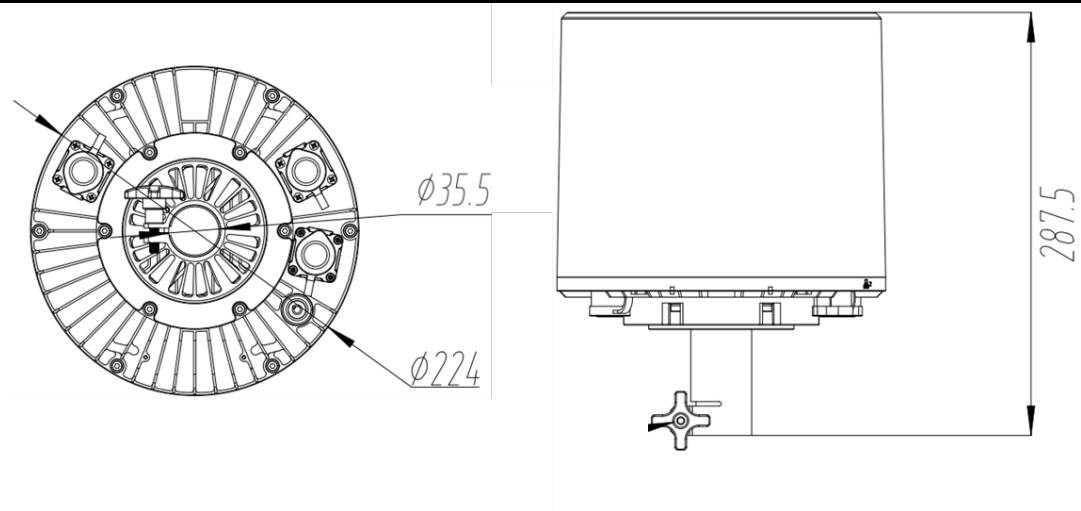


Figure 2. Dimensions: $\phi 224\text{mm} \times 287.5\text{mm} (\pm 2\text{mm})$

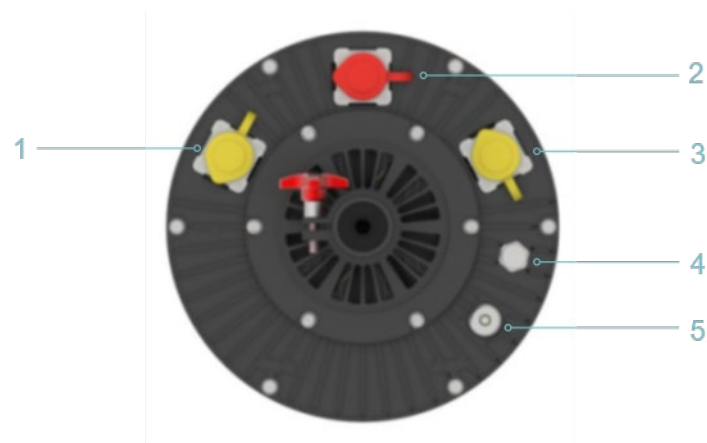


Figure 3. Diagram of the interface

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|------------------------|--------------------|
| 1. Ethernet port 1 | 2. Power connector |
| 3. Ethernet port 2 | 4. Breathing valve |
| 5. Power On/Off button | |

PACKAGING INFORMATION

Packaging Dimensions (Main Device)		Specifications
Device Dimensions	φ224mm × 287.5mm	
Packaging Dimensions	470mm × 410mm × 300mm	
Weight	≤7kg	
Packaging Method	Packaging Box	
Packaging Dimensions (Tripod)		Specifications
Device Dimensions	110mm × 110mm × 960mm	
Packaging Dimensions	110mm × 110mm × 960mm	
Weight	≤4kg	
Packaging Method	Nylon Bag	

*The packaging information is for your reference only.

Technical Specifications

Detection Bands	30MHz~6GHz
Detection Range	360° Full Airspace
Detection Quantity	>30 Drones (Simultaneous)
Position Accuracy	<10m (RMS)
Response Time	≤2s (RMS)
Detection Distance	0~3km (Differences exist due to different deployment environments and drone types)
Detection Height	0~1km
Detection Angle	360° (Horizontal), -90° to +90° (Vertical)
Power Supply	AC110~240V
Power Consumption	≈60W
Dimensions	φ224mm × 287.5mm (±2mm)
Weight	3kg
Operating Temperature	-40°C to +70°C
IP Rating	IP66