

Stationary Drone Detection and Jamming All-in-One System

Technical Data Sheet



PRODUCT OVERVIEW



Figure 1. DFJ

The Stationary Detection and Jamming System has multiple task operating functions and leading performance. The equipment adopts a professional waterproof and dustproof design, stable and reliable continuous operation in the harsh outdoor environment, and it can be widely set up and deployed in public safety, correctional facilities, airports, stadiums, water conservancy and hydropower, and other industries.

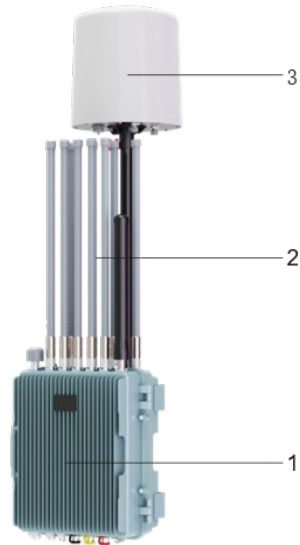
KEY FEATURES

Precise Identification: Detect and identify SN, orientation, distance, latitude and longitude, flight altitude, and speed of the drone.

Defense and Jamming: Combined narrow-band low-power precision jamming and wide-band high-power jamming.

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

Unattended Function: One-click switch to unattended, automatically defend against drone intrusion for 7/24 hours.



1. Main Device 2. Antennas 3. Directional-finding Antenna

Figure 2. DFJ Appearance

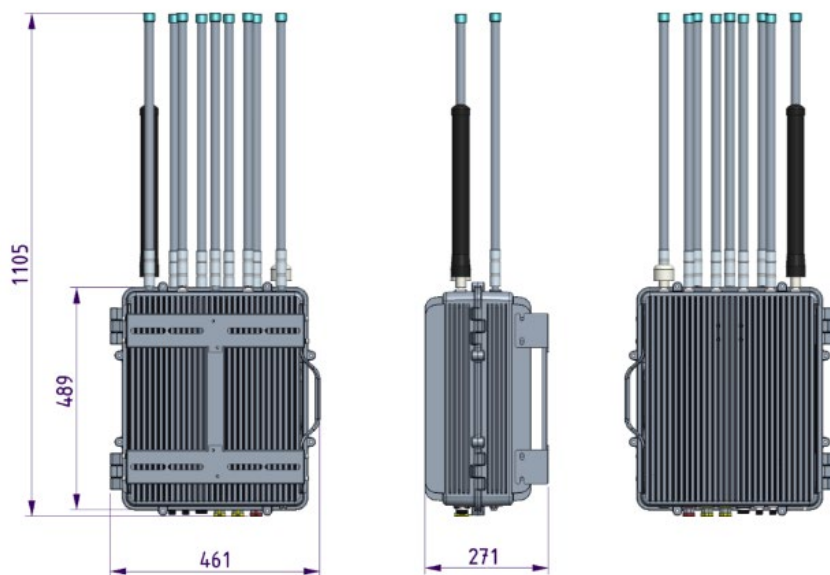
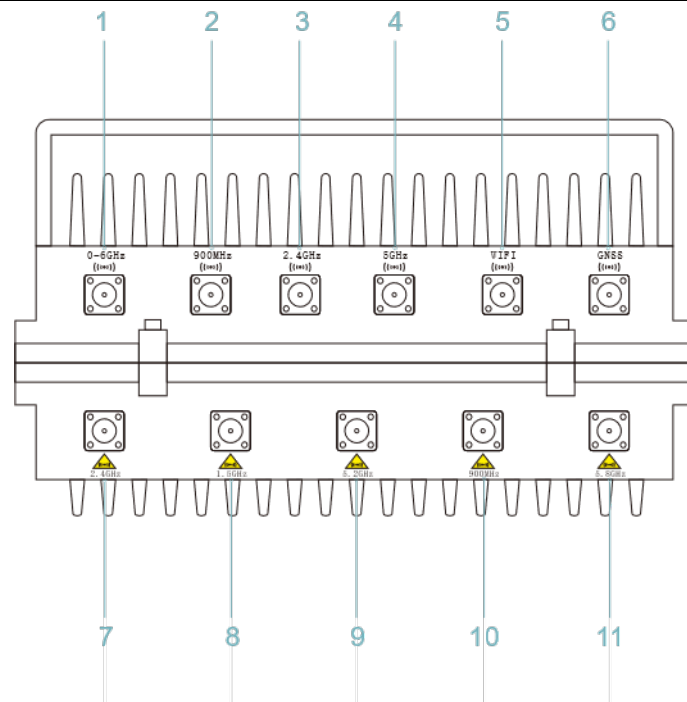
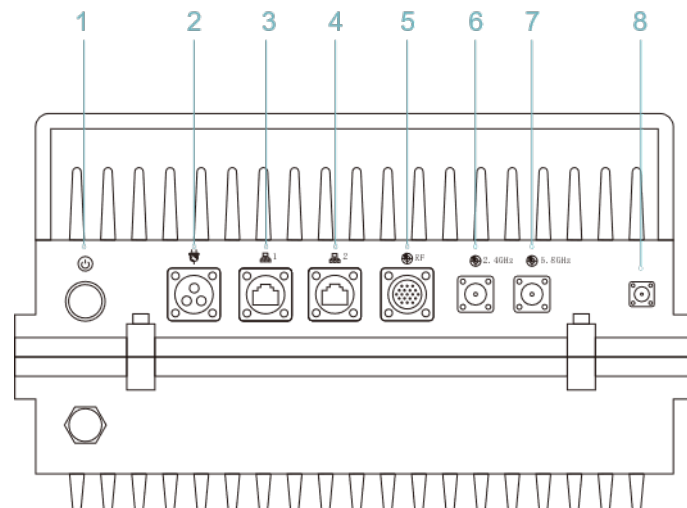


Figure 3. Dimensions: 489mm × 461mm × 271mm



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|---|--|
| 1. 0-6GHz full-band receiving antenna connector | 2. 900MHz receiving antenna connector |
| 3. 2.4GHz receiving antenna connector | 4. 5GHz receiving antenna connector |
| 5. Wi-Fi receiving antenna connector | 6. GNSS signal receiving antenna interface |
| 7. 2.4GHz transmitting antenna connector | 8. 1.5GHz transmitting antenna connector |
| 9. 5.2GHz transmitting antenna connector | 10. 900MHz transmitting antenna connector |
| 11. 5.8GHz transmitting antenna connector | |

Figure 4. Diagram of DFJ Interface - Top Side



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|---|---|
| 1. Power On/Off button | 2. Power connector (AC110V~240V) |
| 3. Ethernet port 1 | 4. Ethernet port 2 |
| 5. Direction-finding information control interface | 6. 2.4GHz direction finding data transmission interface |
| 7. 5.8GHz direction finding data transmission interface | 8. 4G receiving antenna connector |

Figure 5. Diagram of DFJ Interface - Bottom Side

PACKAGING INFORMATION

Packaging Dimensions (Main Device)		Specifications
Device Dimensions	489mm × 461mm × 271mm	
Packaging Dimensions	360mm × 530mm × 760mm	
Weight	≤49kg	
Packaging Method	Flight Case	
Packaging Dimensions (Antenna)		Specifications
Device Dimensions	400mm × 310mm × 310mm	
Packaging Dimensions	390mm × 380mm × 600mm	
Weight	≤16kg	
Packaging Method	Flight Case	
Packaging Dimensions (Tripod)		Specifications
Device Dimensions	220mm × 220mm × 1030mm	
Packaging Dimensions	220mm × 220mm × 1030mm	
Weight	≤16kg	
Packaging Method	Nylon Bag	

*The packaging information is for your reference only.

TECHNICAL SPECIFICATIONS

Detection Bands	30MHz~6GHz
Detection Distance	0~8km (Differences exist due to different deployment environments and drone types)
Direction Finding Accuracy	(RMS) 3° (hovering), 10° (moving)
Detection Quantity	≥35 Drones (Simultaneous)
Jamming Bands (Customizable)	900MHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz
Jamming Distance	0~3km (Differences exist due to different deployment environments and drone types)
Jamming Bands/Power Output	1st Channel: (840±10)MHz~(930±10)MHz (47±2) dBm
	2nd Channel: (1560±10)MHz~(1620±10)MHz (40±2) dBm
	3rd Channel: (2400±10)MHz~(2485±10)MHz (50±2) dBm
	4th Channel: (5725±10)MHz~(5850±10)MHz (49±2) dBm
	5th Channel: (5150±10)MHz~(5350±10)MHz (49±2) dBm
Extended Customization	Support the optional navigation spoofing function
Working Hours	7*24 continuous operation, fixed power supply
Power Supply	AC 100~240V
Power Consumption	≤130W (Detection)
	≤1200W (Full-band jamming)
Dimensions	Main Device: 489mm × 461mm × 271mm
	Antenna: 400mm × 310mm × 310mm
	Tripod: 220mm × 220mm × 1030mm
Weight	≤33kg
Operating Temperature	-40°C to +70°C
IP Rating	IP66