

Backpack (handheld) cluster control terminal



50km Mesh Networking



8 Machine cluster control



Meter-level positioning



Edge computing



Dual-channel high-definition decoding



Ultra-fast task chain



Lightweight and portable



Heterogeneous collaboration

Core Functions

01 Cluster tactical hub

Access to unmanned platforms: 8

Group sending, group control, group receiving capabilities

Ad-hoc action style planning: 8 types

1080P video: 2 channels

02 Beyond Visual Range Communication Network

Mesh networking: 50km

Number of network members: 8 nodes

Multi-level reporting and cross-level control

Extension of medium and long-range cluster combat capabilities

03 Intelligent Decision Support

Intelligence fusion processing time ≤ 3 seconds,

Task chain planning time ≤ 8 seconds.

Quickly complete the closed loop from situation monitoring

to real-time decision-making

Specifications

| Parameter Items | Specification Indicators |
|-----------------------|--|
| Size | ≤ 270mm × 60mm × 105mm |
| Weight | ≤ 1.7kg (including battery) |
| Networking capability | 8-node Mesh networking, distance ≤ 20km |
| Positioning accuracy | Horizontal accuracy < 2.5m (CEP50) |
| Control channels | Real-time access and control of 8 unmanned platforms |
| Video processing | Supports up to 2 channels of 1080P video decoding |
| Data interface | 2 × RS232 interfaces, 2 × 100M Ethernet ports |
| Endurance | ≥ 1.5 hours (self-powered), battery capacity ≤ 4000mAh |
| Processing speed | Task chain planning ≤ 8s, intelligence fusion ≤ 3s |

Application scenarios



Frontline reconnaissance mode



Mobile Deployment Mode



Cluster Strike Mode