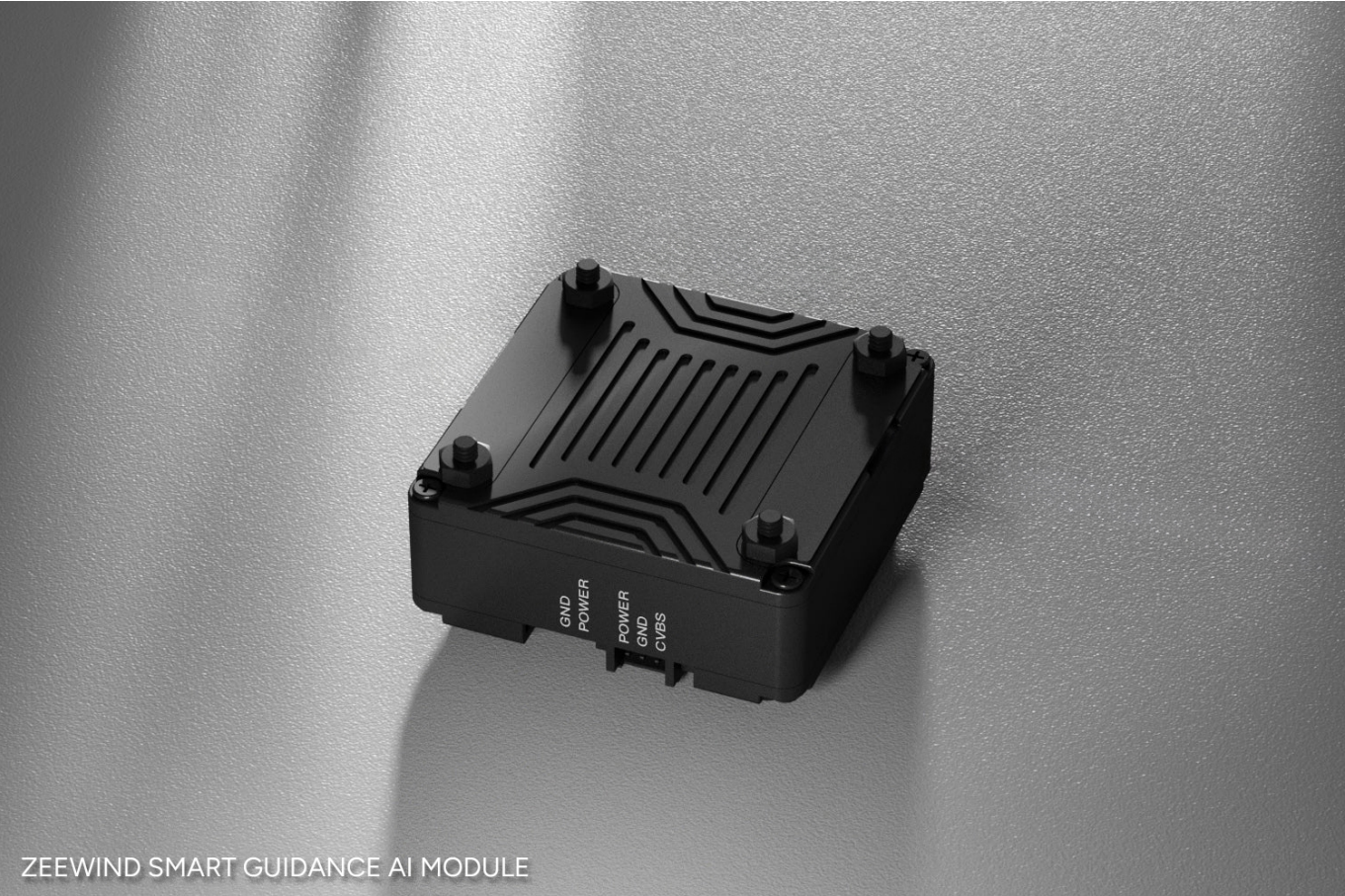


# SMART FPV GUIDANCE MODULE

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## Preview



## Short Description

This intelligent tracking module features FPV terminal image guidance, enabling automatic FPV drone tracking of targets until collision after manually locking the target with the remote controller.

The smart module includes a processing unit and a camera (replacing the original FPV system's own camera), requiring integration into the existing FPV drone system with flight control and video transmission connections.

## Tech Specs

Type	Parameter	Description
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Type	Parameter	Description
AI Cam	Resolution: 1280*960 px; DFOV: 46°(H) * 35°(V)	Manual control assistance and automatic guidance module.
Wide Angle Cam (Optional)	Resolution: 1280*960 px; DFOV: 150°	Since the guidance camera FOV is small, increasing the wide-angle camera to expand the field of view facilitates manual flight control.
IR Cam (Optional)	Resolution: 256*192 px; DFOV: 60°	Assists in identifying people and vehicles at night and in complex background environments, and reduces smoke interference.
Tracking Range (Typical)	Person: 200m; Veichle: 800m	Based on manual targeting.
Accuracy	±1m	
TDP	5w	
Size	30mm*30mm*10mm	
Weight	20g	
Power Source	4S~6S Wide Voltage Input	

Usage

1. Configure custom functions on the remote controller: lock onto targets, etc.
2. Use the on-screen crosshair on the remote controller to roughly lock onto the target area and enable automatic cruising (suitable for situations where the aircraft is far from the target and can only see the approximate target area).



3. Use the on-screen crosshair on the remote controller to precisely lock onto the target area and enable automatic tracking and targeting (suitable for situations where the aircraft is close to the target and can clearly see the target).

