

7-inch High-Speed Rocket FPV Drone



NO.	Parameter	Value
1	Size	7 inches
2	Take-off Weight	900g
3	Payload Capacity	500g
4	Climb Rate	60 m/s
5	Flight Range	30 KM
6	Maximum Wind Resistance	Level 6
7	Flight Speed	100 m/s
8	Flight Time	10 min (10 分钟)
9	Video Transmission Range	30 km (in open areas)
10	Features	Equipped with GPS waypoint function

AI Air-to-Ground Module Parameters

All video transmission systems support the following core operational modes: picture-in-picture aiming assistance, lever auto-locking strike, tracking fine-tuning, and secondary recognition tracking. They also feature low latency (<60ms), starlight-level low-light performance, and all-weather operation capability.



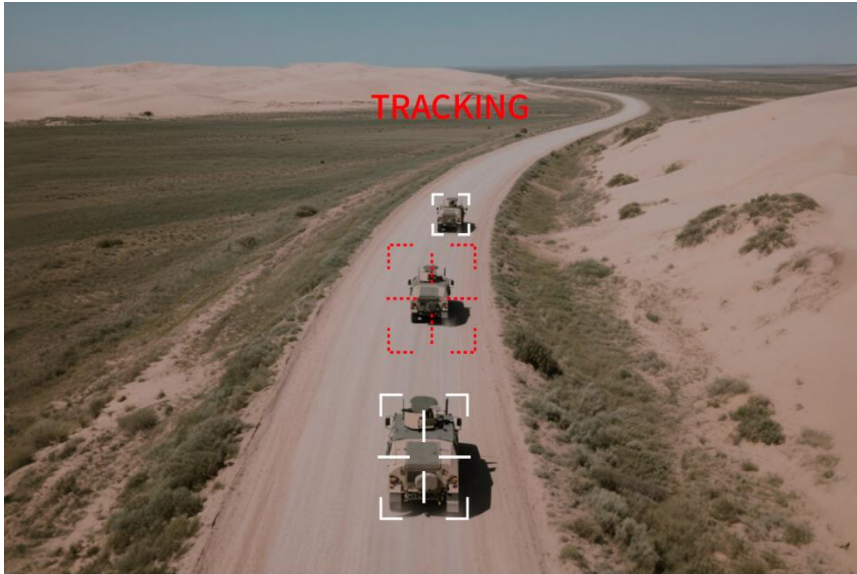
Pivot lock auto strike:

The operator controls the aircraft to adjust its attitude, aligning the crosshair at the center of the feed-back screen with the attack target. After adjusting the lock lever, the aircraft automatically adjusts its fuselage attitude to track and strike the target.



tracking fine-tuning

After activating the function by pulling the tracking fine-tuning lever, the operator controls the movement of the pre-tracking frame via the joystick. Once the pre-tracking frame position is adjusted, resetting the lever allows continued tracking strikes at the specified frame location.



Secondary recognition tracking

The module integrates high-performance AI chips and deep learning algorithms, utilizing advanced computer vision technology to perform intelligent secondary detection and precise identification of targets within the field of view during flight.



Configuring

Parameter indicators	Single visible light	Dual visible light	Single visible light + single thermal imaging	Dual visible light + single thermal imaging
AI Computing Power (TOPS)	1	6	1	6
Recognition distance (vehicle/person)	450m / 170m	1200m / 500m	450m / 170m (visible light)	1200m / 500m
target tracking velocity	≤ 60 km/h	≤ 60 km/h	≤ 60 km/h	≤ 60 km/h
visible light lens	1	2 (wide-angle + telephoto)	1	2 (wide-angle + telephoto)
Sensor size	1/2.8 inch	1/2.6 inch	1/2.8 inch	1/2.6 inch
FOV (Field of View)	69°(H)*42°(V)	72°(H)*45°(V) / 26°(H)*15°(V)	69°(H)*42°(V)	72°(H)*45°(V) / 26°(H)*15°(V)
Low illumination sensitivity	7341 mV/lux·s	9650 mV/lux·s	7341 mV/lux·s (visible light)	9650 mV/lux·s



Parameter indicators	Single visible light	Dual visible light	Single visible light + single thermal imaging	Dual visible light + single thermal imaging
Thermal imaging lens	not have	not have	have	have
heat-imaging FOV	not have	not have	20.3° (H)*15.2° (V)	20.3°(H)*15.2° (V)
core advantage	Basic AI recognition with high cost-effectiveness	Ultra-long-range detection and recognition with dual-lens switching	All-weather combat capability, effective in nighttime and foggy environments	All-weather combat capability, effective in nighttime and foggy environments
Recommended apps	Daytime, close-range surveillance and interception	Long-range early warning, search and interception	Nighttime anti-vehicle operations, adverse weather conditions, and missions in complex environments	Nighttime anti-vehicle operations, adverse weather conditions, and missions in complex environments

Parameter of High-Speed Machine Accompanying Equipment



T14 FPV Remote Control Parameter Table

Parameter category	Parameter item	Specifications/Description	Notes/Supplement
Product Overview	product model	T14 FPV remote control	standard : FPV
	Core Features	Powerful cooling system with built-in direct-exhaust fan	Ensure long-term stable operation
hardware configuration	master control MCU	STM32F407ZET6	
	display screen	2.42-inch OLED	Resolution: 128*64



Parameter category	Parameter item	Specifications/Description	Notes/Supplement
	Joystick	VS-M RDC90 Hall Joystick	Standard size, Hall sensor, flexible operation
radio-frequency system	Built-in radio frequency	ELRS (915MHz / 2.4GHz)	Dual-band optional
	transmitting power	Maximum 1000 mW	
	antenna	Bidirectional foldable antenna with reserved antenna modification holes	Easy to adjust and upgrade



Parameter category	Parameter item	Specifications/Description	Notes/Supplement
Interfaces and Extensions	External module interface	Reservation (JR module interface)	Supports external high-frequency head extension
	TF Card	Built-in chip (officially recommended: EOGEX)	
Power Supply and Battery	working voltage	6 - 8.4V	
	cell	21700 battery * 2 units	
	charge	Supports 10W fast charging	Faster charging speed



Parameter category	Parameter item	Specifications/Description	Notes/Supplement
Physical specifications	size	185 * 175 * 79 mm	
	weight	471 grams	Excluding battery weight

4.9G FPV Glasses Parameter Table

Parameter category	Parameter item	Specifications/Description	Notes/Supplement
Core parameters	product type	4.9G FPV goggles	
	receive frequency	4.9GHz	
	major	DVR with TF card	Supports video



Parameter category	Parameter item	Specifications/Description	Notes/Supplement
	function	support	recording
display system	Display screen size	5.0 inches	
	screen resolution	800 * 480	No blurring after lens magnification
	screen intensity	600 cd/m ²	Equipped with specialized high-brightness backlight LEDs, ideal for outdoor FPV applications
	Screen Ratio	16:9 / 4:3	Switchable



Parameter category	Parameter item	Specifications/Description	Notes/Supplement
	angle of field (FOV)	140° (horizontal) / 120° (vertical)	
Power supply specifications	internal battery	3.7V / 2000mAh	
	input voltage	5V	
Physical specifications	Net product weight	365 grams	
	product size	180mm * 145mm * 82mm	
	packing	190mm * 190mm	



Parameter category	Parameter item	Specifications/Description	Notes/Supplement
	measurement	* 130mm	
Attachments and Accessories	Antenna type	Mushroom Antenna / Flat Antenna	always included
Packing list	standard layout	1. Video glasses * 1 2. Instruction Manual * 1 3. Mushroom Antenna * 1 4. Flat Panel Antenna * 1 5. Handbag * 1	