

BUILT FOR

SABER

VIPER



MISSIONS

READY TO ADAPT



Jiin Ming Industrial (3230 Ticker)

Built for Missions. Ready to Adapt.

30+ Years

30+ Years Precision Manufacturing — MIL-STD certified

AI

AI-Driven ISR Platforms — UAV

100% MIT

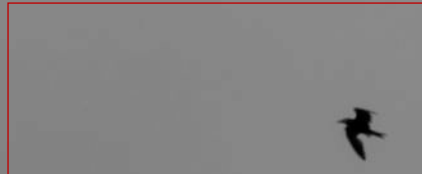
100% MIT Supply Chain — Secure, export-compliant



JIIN MING
INDUSTRY CO., LTD.



Mission & Vision



To deliver mission-ready UAV systems that perform reliably outside ideal conditions, and give operators clarity, control, and confidence when it matters most.



We integrate hardware, software, and operations into systems that can be deployed, learned, and trusted.



Our Vision

To become a long-term UAV systems company,
building platforms that can evolve with missions,
users, and operating environments.

We believe UAVs should be scalable products,
not one-off projects.

What We Offer

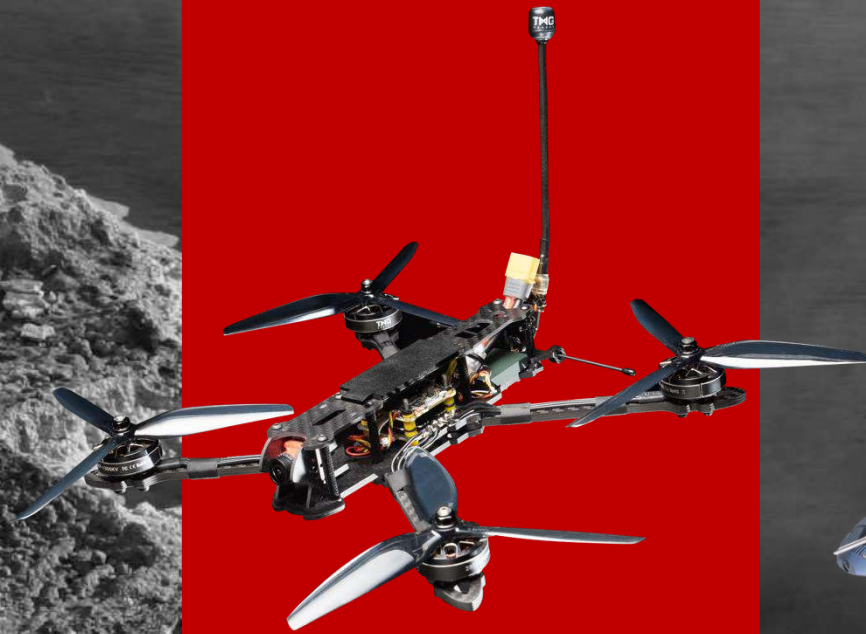
A UNIFIED TACTICAL UAV ECOSYSTEM

Dual-flagship UAVs optimized for multi-domain operations

AI-driven autonomous decision-making & swarm coordination

Modular architecture enabling multi-mission flexibility





VIPER

**High-mobility Tactical
FPV UAV**

Close-range tactical
reconnaissance & precision
engagement

Ultra-lightweight FPV drone
with immersive first-person
control



LR-300
SABER

**High-speed-Long-range
ISR UAV**

Long-range ISR dominance
with >300 km/h top speed

Up to 20 mins endurance,
extended range >10 km

Multi-payload ready :
EO/IR, SAR, comm relays



LR-150
SABER

**Mid-Range
Electric UAV**

Mid-Range ISR
with >150 km/h top speed

Electric motors with up to
40 mins endurance

VIPER

Agility in Confined Battlespaces

A high-mobility FPV tactical UAV built for close-range ISR and precision strike missions, engineered to dominate urban environments and complex battlefield scenarios.



Product Overview

VIPER J1-Series Tactical FPV UAV

- Wingspan / Frame Size : 250mm
- Empty Weight : ~550g – 800g
- Maximum Take-off Weight : $\leq 2.4\text{kg}$
- Payload Capacity : 1.5kg – 2.4kg
- Brushless 2306 High-Torque System
- JMGH743 AI-assisted stabilization

Ground Control System

JMG designed controller, 915MHz / ELRS main link, Low-latency HD digital FPV video transmission, Operational range from 6 km

Launch System

- Launch : Manual hand-launch or vertical take-off supported
- Recovery : Manual FPV landing or AI-assisted auto-return
- Designed for rapid deployment in confined environments



VIPER Series UAVs

Applications: Reconnaissance, Assault, Border Defense, Special Operations, Disaster Relief



J1-7

Lightweight and agile, with a payload capacity of 1.5 kg, suitable for rapid maneuverability and covert reconnaissance.

Features: Smallest airframe, highest agility, preferred for tactical infiltration.



J1-10
J1-10T

Heavy-duty platform, with a payload capacity of 2.4 kg, most powerful for tactical applications.

Features: Maximum payload capacity, enhanced anti-jamming, preferred model for special missions.

VIPER Attack 7 & 10 inch Specifications

Item	7 inch	10 inch
Dimensions (L × W)	193 × 223 mm	353 × 277 mm
Wheelbase (Diagonal)	295 mm	427 mm
Frame / Material	X-type carbon fiber frame	X-type carbon fiber frame
Weight (Without Battery)	0.55 kg	0.8 kg
Max Payload	1.5 kg	2.4 kg
Propulsion System	Brushless motor 2807-1300KV + 7-inch tri-blade propellers	Brushless motor 3115-900KV + 10-inch tri-blade propellers
Battery	6S 10,000 mAh	6S 10,000 mAh
Navigation / Positioning	GNSS / GPS	GNSS / GPS
Endurance (No Payload)	30–40 min	20–30 min
Speed (Cruise / Max)	60 / 110 km/h	60 / 110 km/h
Control Link (Wireless)	ELRS 915 MHz	ELRS 915 MHz
Control Range (LOS)	≥ 6 km	≥ 6 km
Video Transmission	5.8G / 2.5W (Analog)	5.8G / 2.5W (Analog)
Camera	FPV low-light analog camera	FPV low-light analog camera
Flight Controller System	Betaflight / ArduPilot	Betaflight / ArduPilot

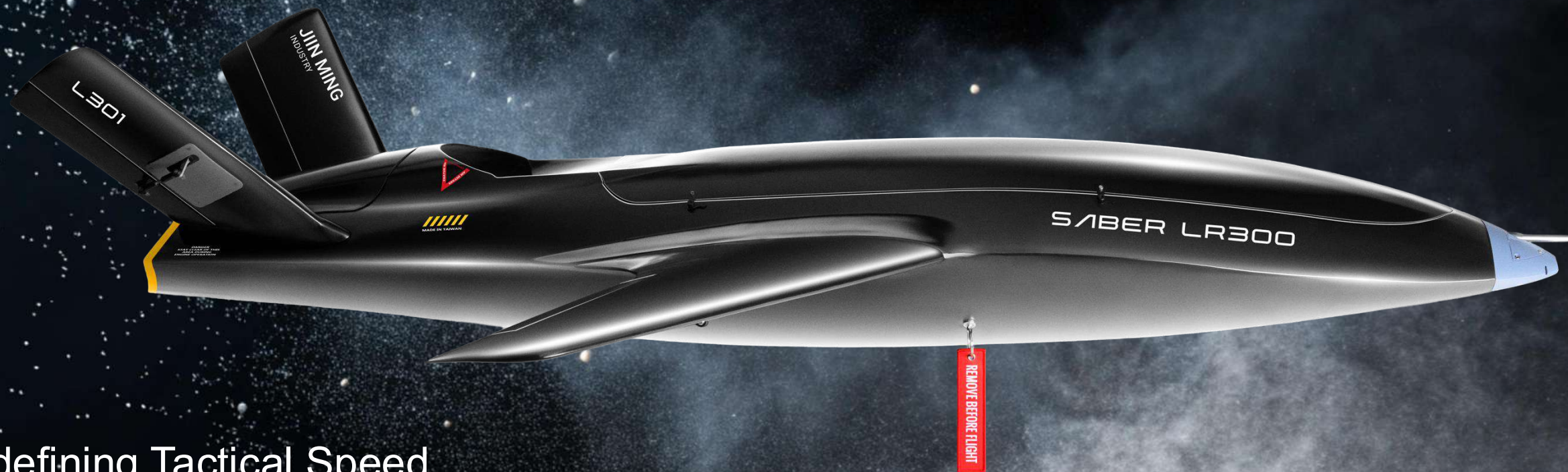
FIBER- OPTIC MODULE

The **HD-XG11-FCv2-T/R** is a high-performance HDMI to 10G fiber-optic media converter for demanding applications in drones, medical imaging, and industrial control market. It delivers uncompressed 4K visuals with zero compromise and low latency.



FIBER-OPTIC MODULE

Item	Description
Model	HD-XG11-FCv2-T/R
Standards	IEEE 802.3 10G Base BR
Basic Function	Full Duplex
Wave Length	A: T1270/R1330nm 20 KM B: T1330/R1270nm 20 KM
Interface	1 x 10G FC connector 1 x Mini HDMI (TX/RX) selectable 1 x 2pin PH Connector pin-pitch: 2.0mm (Power 5V-27V 1A) 1 x 3pin PH Connector pin-pitch: 1.0mm (Control Signal by UART)
LED Indicators	Power, Fiber ACT, HDMI
PCB Dimensions (WxD)	40*110 mm
Weight	41g
Environment	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing
Power input	12V 1A



Redefining Tactical Speed

On today's fast-evolving battlefield, speed defines survival and victory. SABER breaks the 300 km/h speed barrier, delivering long-range ISR dominance and enabling deep reconnaissance and rapid-response missions.

LR-300

SABER

Product Overview

SABER LR300 Fixed-Wing High-Speed UAV

- Wingspan 150cm
- Empty Weight <10kg
- Maximum Take-off Weight 15kg
- Flight Speed : >300 km/h
- Payload Capacity 5kg
- 6360 Brushless Motor
- Turbine K70-K86 System
- Endurance : Up to 20 mins

Ground Control System

JMG designed controller, 915MHz / ELRS main link, ATAK datalink, transmission range exceeds 10km

Launch System

- CO₂ / Recycled Gas Cylinder Compression Launcher
- 15 kg kinetic energy for smooth catapult launch
- 65 km/h ejection velocity, enabling rapid deployment in the field



SABER LR - 300J

Item	Description
Aircraft Type	Fixed-wing UAV with rear-mounted propulsion
Airframe	Wingspan: 1,300 mm; Overall length: 1,500 mm (detachable left/right wings for easy storage and transport)
Propulsion	Ducted fan propulsion; Max RPM: 176,000; Thrust: 8.6 kg
Cruise / Max Speed	180 km/h (cruise) / 300 km/h (maximum)
Launch / Recovery	Pneumatic catapult launch; field recovery (belly landing / grass landing)
MTOW (Excl. Battery & Payload)	< 10 kg
Payload Capacity	2.5 kg
Endurance (No Payload)	20 min
Operational Range	≥ 10 km (LOS)
Command & Control Range	≥ 10 km (LOS; RF-based command link)
Flight Control System	ArduPilot (supports loiter, return-to-home, and standard mission modes)
Navigation System	High-precision INS / RTK GNSS navigation
Data / Video Link	Digital data transmission; video & data link range ≥ 30 km (LOS)
Anti-Jamming / Redundancy	1.9 GHz / 900 MHz primary & secondary dual-link system; automatic failover to backup link upon primary link disruption
Optical Payload	4× optical zoom; > 3 MP resolution; > 30 fps
Protection Rating	IP43 or above (dust and water resistant)

LR-150

SABER

In modern ISR operations, efficiency and responsiveness are as critical as speed. SABER LR-150E is engineered for medium-range missions where rapid deployment, high cruise performance, and operational reliability are paramount.



SABER LR - 150E

Item	Description
Aircraft Type	Fixed-wing UAV with rear-mounted propulsion
Airframe	Wingspan: 2,600 mm; (left and right wings are foldable for easy storage and transport; airfoil NACA4415; wingtip dihedral 2°)
Propulsion	Brushless motor 6352-240KV; Thrust: 14kg
Cruise / Max Speed	90-100 km/h (cruise) / 160 km/h (maximum)
Launch / Recovery	Pneumatic catapult launch; field recovery (belly landing / grass landing)
MTOW (Excl. Battery & Payload)	< 10 kg
Payload Capacity	5 kg
Endurance (No Payload)	40 min
Operational Range	≥ 30 km (LOS)
Command & Control Range	≥ 30 km (LOS; RF-based command link)
Flight Control System	ArduPilot (supports loiter, return-to-home, and standard mission modes)
Navigation System	High-precision INS / RTK GNSS navigation
Data / Video Link	Digital data transmission; video & data link range ≥ 30 km (LOS)
Anti-Jamming / Redundancy	1.9 GHz / 900 MHz primary & secondary dual-link system; automatic failover to backup link upon primary link disruption
Optical Payload	4× optical zoom; > 3 MP resolution; > 30 fps
Protection Rating	IP43 or above (dust and water resistant)

FPV Components

Flight Remote Controller(JMG)



Technical Specifications	
Item	Specification
Dimensions	200 × 190 × 110 mm
Weight	1000 g
Frequency Band	2.400 – 2.480 GHz
RF Module	Built-in ELRS (ExpressLRS)
RF Output Power (ELRS)	Up to 250 mW (adjustable)
Antenna Gain	2 dBi
Operating Current	400 mA
Operating Voltage	6.6 – 8.4 V DC
Control Range	2 km (@ 22 dBm)
System / Firmware	EdgeTX
Channels	Up to 16 channels (depending on system configuration)
Display	4.3-inch TFT color screen, resolution 480 × 272

01 | 915mhz Elrs



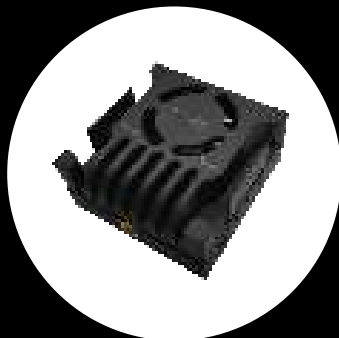
Product Name	Receiver Module - 915MHz ELRS (with protective case + T-type)	Antenna Connector	IPEX1
Type	FCC915	Transmission Protocol	CRSF
Main MCU	ESP8285	Power Supply	DC 5.0V
RF IC	SEMTECH SX1276	Dimensions	24.00 × 14.20 mm
Return Power	100mW - 500mW LUA adjustable (20-27dBm)	Weight	5.50g (including two antennas)
Antenna	High-sensitivity T-type antenna		

02 | Fpv Antenna



Product Name	FPV Antenna - 5.8G Transmitting	Storage Temperature Range	-20°C ~ +80°C
Connector Type	SMA(M)ST	Electrical Characteristics	Frequency Range: 5.75 MHz ~ 5.95 GHz
Antenna Polarization	RHCP(Right-Hand Circular Polarization)		Efficiency (%): 75.52 %
Antenna Length	180 mm		Gain (dBi): 2.13
Antenna Diameter	14.5 mm		Test Frequency: 5.75 GHz ~ 5.925 GHz
Housing Material	ABS		V.S.W.R.: < 2.3
Cable Type	RG141		Polarization: RHCP
Operating Temperature Range	-20°C ~ +80°C		Impedance: 50 Ω

03 | Analog Video Transmitter



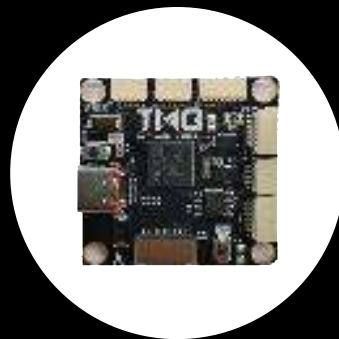
Model	Analog Video Transmitter - 5.8G / 2.5W	Cooling Method	Fan + heat sink
Input Voltage	9-36V (supports 3S-8S Li-ion battery)	Weight	21 g
Output Voltage	5V	Mounting Hole	20×20mm, M2 screw holes, depth 2.8mm
Channels	72 channels	Dimensions	35.4 × 30 × 16.6 mm
Output Power	25mW / 200mW / 500mW / 1.5W / 3W	Power Consumption	1.2A / 9V

04 | Automatic Antenna Tracking (AAT) //



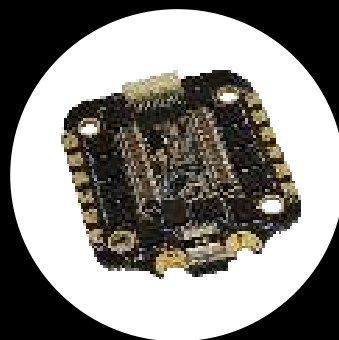
Item	VIPER	SABER
Antenna Tracking Servo Control	Servo Control Module Servo Rotation: Horizontal 360°, Vertical 0-90°	Servo Control Module Servo Rotation: Horizontal 360°, Vertical 0-90°
Antenna	915 MHz High-Gain Dipole Antenna 5.8 GHz High-Gain Panel Antenna	915 MHz High-Gain Dipole Antenna 1.9 GHz High-Gain Panel Antenna
ELRS Relay Transmitter	2W ELRS 915 TX (via UR Port Connection)	2W ELRS 915 TX (via UR Port Connection)
Analog Video Receiver Module	5.8 GHz / 72CH	5.8 GHz / 72CH
1.9 GHz Data / Video Ground Station	-	Interface: SBUS / RJ45 Port

05 | Flight Controller Board //



Product Name	Specification	I2C	2 (RST + DFU)
MCU	Flight Controller Board - JMGH743	SWD / ADC	1 port / 1 port
IMU	STM32H743VIT6, 480 MHz, built-in 2MB Flash memory	USB Interface	3 ports (VBAT voltage detection, current sensing, airspeed meter)
Barometer	Bosch BMI270 / ICM42688P (high-precision 6-axis IMU)	BEC 5V 3A Output	Type-C
OSD	DPS310	BEC 9V 3A Output	For receiver, GPS, optical flow, and other low-voltage devices
Storage Interface	MAX7456E		For video transmission module (VTX), FPV camera, and other medium-voltage devices
UART	MicroSD card slot		
PWM	7 UART ports		
Button	12 channels		

06 | 4-In-1 Esc Brushless Motor Speed Controller - 60a //



Product Name	4-in-1 ESC Brushless Motor Speed Controller - 60A	Mounting Hole Size	30.5 x 30.5 mm
Firmware	M32	Product Size	44 x 44 mm
Input Voltage	2-6S LiPo battery	Package Size	64 x 64 x 35 mm
Continuous Current	60A	Net Weight	15 g
Peak Current	70A	Package Weight	54 g

07 | Camera



Product Name	FPV Infrared Camera
Image Sensor	1/1.8 inch sensor
Horizontal Resolution	1500 TV lines
TV System	NTSC and PAL (switchable)
Aspect Ratio	16:9 and 4:3 (switchable)
Wide Dynamic Range	Ultra WDR (HDR)
Minimum Illumination	0.00001 LUX
Shutter	5 levels
Color	Black housing
Sync System	Internal sync
Electronic Shutter	PAL: 1/50~100,000; NTSC: 1/60~100,000

S/N Ratio	>60 dB (AGC off)
Video Output	CVBS
OSD Menu	Supported
Noise Reduction	3-DNR
Field of View (FOV)	125°
Language	Multi-language (EN, CN, RU, ES, IT, FR, PL, PT, JP)
Day & Night Mode	Auto / Color / B&W / External switch
Dimension	19 × 19 mm
Wide Voltage Input	DC 5~27V
Operating Temperature	-20°C ~ +60°C
Operating Humidity	20% ~ 80%
Weight	9.5 g

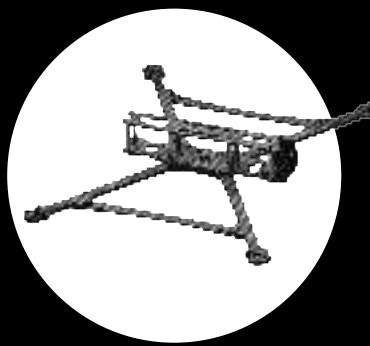
08 | Flight Tower



Structure & Dimensions	
Product Name	Flight Tower (FC + ESC Stack)
Mounting Size	30.5 × 30.5 mm
Stack Height	21.5 mm
Mounting Hole	M3
Structure	Flight Controller + ESC Tower
Wiring	8-pin connection cable
ESC Module	
ESC Input Voltage	2~6S LiPo battery
ESC Continuous Current	60A
ESC Peak Current	70A
ESC Mounting Hole Size	30.5 × 30.5 mm
ESC Product Size	44 × 44 mm

Flight Controller Module	
FC MCU	STM32H743VIT6, 480 MHz, built-in 2MB Flash memory
FC IMU	Bosch BMI270 / ICM42688P (high-precision 6-axis IMU)
FC Barometer	DPS310
FC OSD	MAX7456E
FC Storage Interface	MicroSD card slot
FC UART / FC PWM	7 UART ports / 12 channels
FC Button / FC I2C / FC SWD	1 button / 1 port / 1 port
FC ADC	3 ports (VBAT voltage detection, current sensing)
FC USB Interface	Type-C
FC BEC 5V 3A Output	For receiver, GPS, optical flow, and other low-voltage devices
FC BEC 9V 3A Output	For video transmission module (VTX), FPV camera, and other

09 | 10-Inch Frame 



Product Name	10-inch Frame
Frame Type	H Type
Max Supported Propeller Size	10 Inch
Wheelbase	427 mm
Dimensions	353 mm × 277 mm
Weight	280 g
Bottom Plate Thickness	3 mm

Top Plate Thickness	2 mm
Arm Thickness	5 mm
Camera Mounting Spacing	19 mm
Video Transmission Mounting Hole Distance	Compatible with 30.5 mm / 20 mm
Flight Controller Mounting Hole Distance	Compatible with 30.5 mm / 20 mm
Compatible Flight Control Systems	F4 / F7 / 743

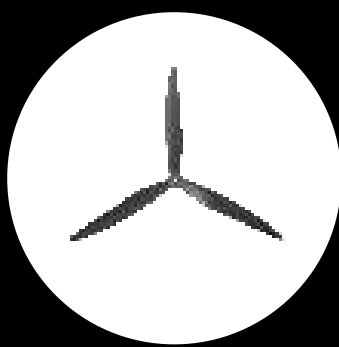
1 0 | 10-Inch Motor3115-900kv 



Model	Motor 3115-900KV
Weight (incl. cable)	102.6g
Dimension	φ36.4 × 30.1 mm
Internal Resistance	52mΩ
Motor Wire	Silicone insulation, 16 AWG, length 300 mm
Configuration	12N/14P
Shaft Diameter	5.0 mm
Rated Voltage	6~8S
No-load Current	1.3A
Peak Current	67.4A
Max Power	≤2000W

Mounting Hole Size	M3 * 4				
Max Thrust	4230 g				
Thrust Test Data					
Propeller	10×4.5×3 (JMG)				
Throttle (%)	10%	20%	30%	40%	50%
Voltage (V)	25.4	25.3	25.2	25.2	25.1
Current (A)	0.3	0.8	3.8	6.3	12.5
Thrust (g)	65	150	580	880	1460
Power (W)	7.62	20.24	95.76	158.76	313.75
Efficiency (g/W)	8.53	7.41	6.06	5.54	4.65
Temperature (°C)	105°C				

1 1 | 10-Inch Three-Blade Propeller 



Product Name	10-Inch Three-Blade Propeller
Material	PA66+33%GF
Propeller Diameter	254.6mm

Center Hole Inner Diameter	Ø5mm
Center Hole Height	9mm
Weight	14.6g /pcs

Sales Achievements & Deployment Status

Current Sales & Program Status

Republic of China Army (Taiwan)

Status : In Delivery

Actively supplying Viper 10" FPV systems to the ROC Army.

The program has entered the formal delivery phase, demonstrating compliance with military operational and procurement requirements.

Royal Thai Army (Thailand)

Status : Proof of Concept (POC)

Viper 10" FPV are currently under operational evaluation by the Royal Thai Army.

Focus areas include reconnaissance capability, mission responsiveness, and system reliability under regional environmental conditions.

U.S. Security Agency (United States)

Status : Proof of Concept (POC)

Selected for evaluation by a U.S.-based security organization.

Assessment scope includes ISR capability, deployment efficiency, and platform adaptability for security and protection missions.

Japan Ministry of Defense (Japan)

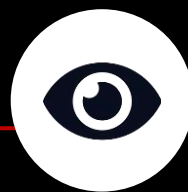
Status : Proof of Concept (POC)

Currently undergoing POC evaluation with Japan's Ministry of Defense.

Emphasis on system stability, mission precision, and integration potential with existing defense infrastructure.

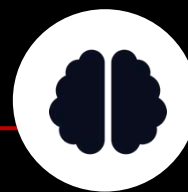
Cortex AI

Autonomous Perception x Intelligent Decision-Making x Multi-Drone Coordination



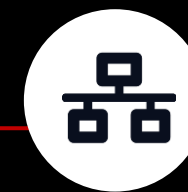
Environmental Perception

Real-time scene understanding
via vision & sensing



Intelligent Decision-Making

On-board AI Agent autonomously
drives mission logic

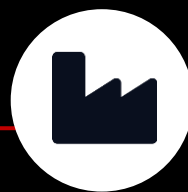


Multi-Drone Coordination

Swarm control for
complex industrial missions

Cortex AI

Market Applications / Main Application



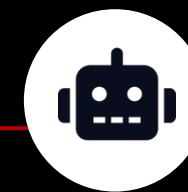
Factory Inspection

Automated patrol of production lines & equipment



Facility Monitoring

Outdoor infrastructure surveillance at scale



Fleet Mission Dispatch

Coordinated swarm deployment for complex tasks

Core Technology

Reinforcement Learning & World Models

Co-developed with AI Research Partner

Investment Milestones & Commercialization Roadmap

Investment Milestones and Commercialization Timeline

DEMO V1

Phase 1

TRL 5

November 2026

Simulation Validation

- ✓ AI flight control architecture verified in simulation
- ✓ Perception system demo (visual feed)
- ✓ Human ↔ AI mode switching

Target Audience

Investors · Strategic Partners · Media Preview

DEMO V2

Phase 1

TRL 6

June 2027 (est.)

Engineering Prototype

- ✓ First physical AI drone prototype integrated
- ✓ Live autonomous flight & vision recognition
- ✓ AI Agent real-world mission execution

Target Audience

Potential Customers · Press Launch · Trade Shows

TRL 6 · DEMO V2 2027.06

TRL 5 · DEMO V1 2026.11

TRL 1 – 4 Early R&D

Technology Readiness Level (TRL)

Empowering the Future of Defense & Security

“ Built for Missions. Ready to Adapt.”

Jiin Ming delivers next-generation UAV platforms and
AI-driven ISR ecosystems.

From VIPER's agility to SABER's long-range speed.

Together, we enable multi-domain dominance for the future battlefield.

