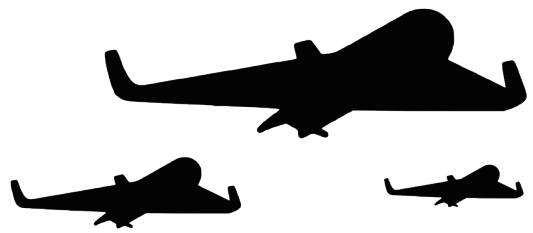


UAV *TOTAL SOLUTIONS*

Advanced UAV system design and manufacturing





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Unmanned Aircraft System Integration

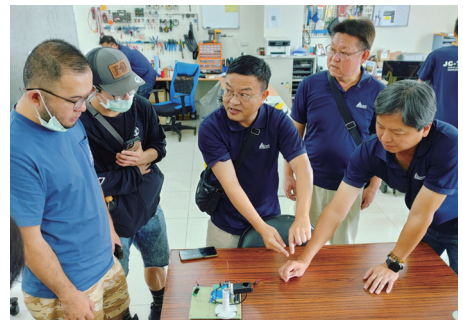
JC TECH established in Taipei, Taiwan in 2001, and dedicated ourself fully into design, develop, and manufacturing of diversified UAV systems.

With years of research, development and countless worldwide field tests, JC TECH developed several unique technologies such as real-time artificial intelligence algorithms, lifesaving systems, and excellent coated form technology applicable to wings, fins, and rotors, which offers the rigid and smooth surfaces while maintaining the trailing edge as thin as 0.15mm.

Today, JC TECH will provide more advanced UAV products and the most professional experience to the world.

Reasons to Choose JC TECH

- 2001 Founded JC TECH in Taipei, Taiwan.
- 2005 Release Released the first DVR in Taiwan.
- 2012 Built Digital Surveillance System in Metro Taipei.
- 2016 Entered the Southeast Asian drone market.
- 2016 Release WVT-20 & WVT-30 for 20KM & 30KM wireless video transmission.
- 2016 Release WDVT-120 for 120KM wireless data & video transmission.
- 2018 Develop high efficiency Carbon Nanotube Battery.
- 2018 Built Taiwan Coast Guard UAV squadron.
- 2022 Release the first railway inspection robot in Taiwan.
- 2022 Release Positioning Landing System and Parachute Safety System for UAV.
- 2022 Release FLYINGFISH the first suicide drone in Taiwan.
- 2023 Release HELI-HY100 the hybrid powered rotary-wing UAV for homeland security.
- 2023 Established new R&D center, manufacturing plant and flight training park in Yilan, Taiwan.
- 2024 Continuous Evolution.



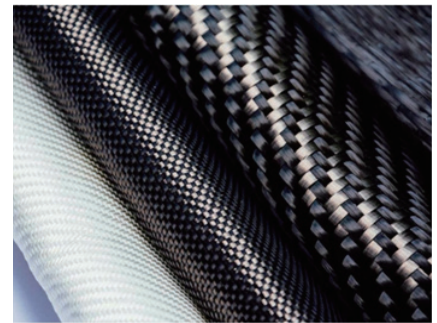
Long endurance VS. High payload capacity

UAV total solutions are the core of who we are. We have tirelessly pushed the limits of long-endurance, long-range and high-payload capacity unmanned aircraft systems for intelligence, surveillance, and reconnaissance missions. Whether for defense, civilian, or commercial applications, our services will help our clients achieve their mission goals. In order to execute the mission perfectly, in addition to UAV, we also need ground control stations, navigation software, fleet management software, education and training, and even technology transfer or turnkey project, we can provide the best support for you.



Airframe

In order to be used for different functions and applications, we adopted several materials such as carbon fiber or alloy for airframe, and designed several strong cabins and payload spaces which provide enough rooms for different payloads. The rotor heads use high efficiency carbon fiber blades. Even with low RPM it can still provide our UAV with enough lift and superior control.



The main rotor head and the swash plate are made with high precision CNC machine to ensure that they are at top quality with no flaws. The Swash plate is connected to high torque servos. And the tail rotor is also made with high quality CNC part which is controlled by a high speed servo.

Motor

The thrust output of a motor is usually measured in grams and varies depending on how fast the motor is spinning and the propeller that it is rotating. Before UAV can begin to accelerate, a certain amount of thrust is required to overcome drag, as well as the pull of gravity. The motor used on JC TECH's UAV can achieve longer flight times and increase the distance that can be travelled.



WHY JC TECH?

1. Meet Your Mission Requirements

- What kind of UAV do you need?
- What function do you need?
- What equipment do you need?
- Do you want weaponized UAV?



“ Choose the best flight module that suits your mission! ”

2. Design & Integration

- Type of Body & Parts.
- Type of Engine.
- Type of Servo.
- Type of Payload.



“ All R&D teams are at your service! ”

3. Confirm with You

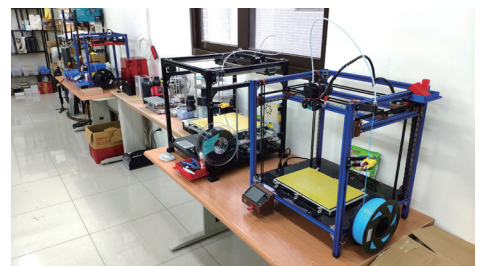
- Discussion.
- Modification.
- Improvement.
- Finalize Design.



“ Time to Product ! ”

4. Production & Assembly

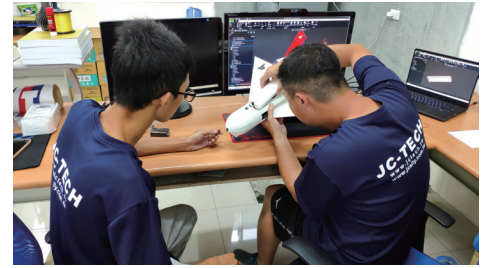
- Material Testing Machine.
- Computer Numerical Control.
- Surface Defect Inspection.
- Mechanism Strength Test.



“The most fast & precise manufacturing in Taiwan ! ”

5. System Adjustment

- Autopilot System & Antenna.
- Wireless Transmission.
- Telemetry Radio.
- Pilot Software.



“ Because we focus on the reliable and smooth transmission! ”

6. Functional Check Flight

- Field Test.
- Flight Mission Simulation.
- GPS Reception Test.
- Return-to-Home Test.



“ Caution is the parent of safety! ”

7. Delivery and Acceptance

- Shipment.
- Invoice.
- Education Training.
- Customer Service.



“ Ready to Fly? ”



“ Get Your Own UAV NOW ! ”



LIGHT ***AND DEADLY***

FLYINGFISH SUICIDE DRONE, the electronic powered multi-purpose drone with long endurance and high payload capacity, equipped with modular structures, assemblable wings, explosive payload, and automatic navigation to carry out tasks such as cruise, surveillance, and reconnaissance above the target area, and strikes after confirming the attack target. The fuselage of the FLYINGFISH is made of EPO (Expanded Polyolefin), which not only can achieve light weight and reduce cost, but also allows it to fly in warfare environment or rough weather, which also makes FLYINGFISH the key to victory in asymmetric warfares.

FLYINGFISH has a large space in the belly of fuselage which allows users to mount different payload according to different tasks, such as explosives or smoke bombs. The modular design also makes FLYINGFISH very easy to assemble, maintain and repair, saving users a lot of maintenance time, making FLYINGFISH the best solution to win a war.



Ultra-Lightweight



Easy to Carry



Easy to Operate



Weaponizable



Long Flight Duration

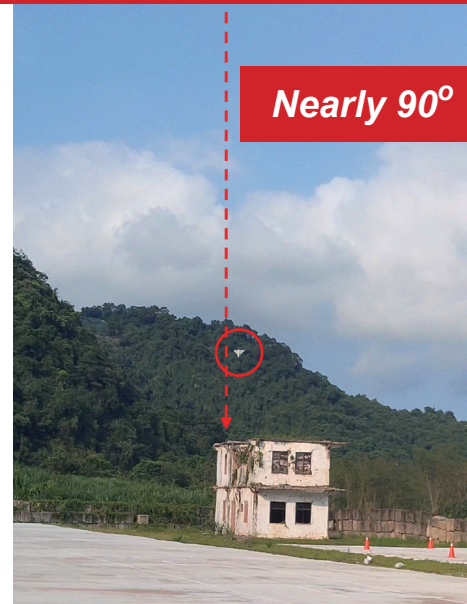


High Efficiency Electric Motor

Difficult to Intercept

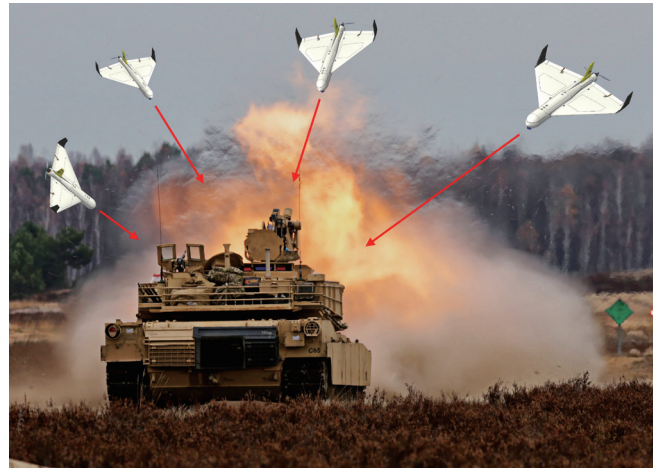
The attack angle of general suicide drones is 30° to 45° , and with the noise generated during flight, it is very easy to be detected and intercepted or destroyed by the enemy.

The noise level of FLYINGFISH is extremely low, and the user can set the attack angle, up to 90° , to attack the target with vertical acceleration, making it very difficult for the enemy to defend the attack of FLYINGFISH.



Precision Strike

In the battlefield, we are often faced with enemy target that are difficult to destroy at once, or a large number of vehicles, so we can use FLYINGFISH to make a saturation attack. The most effective way is to control several FLYINGFISH at the same time by using our ground control software to attack the target at different angles.



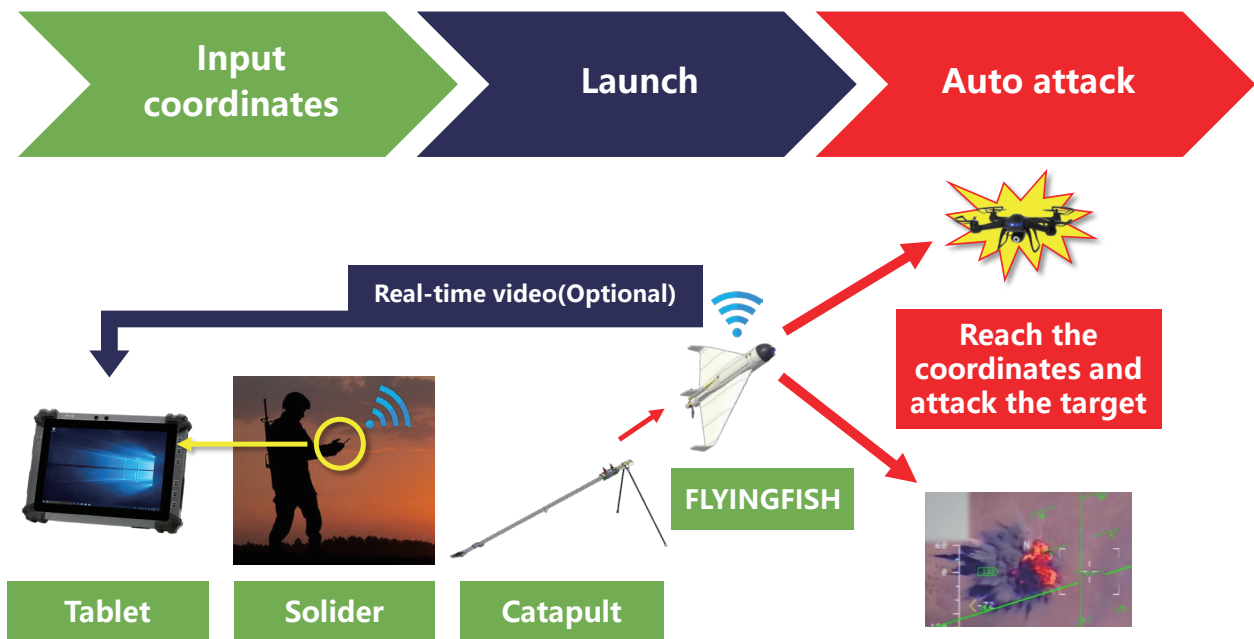
Easy to Operate

Generally speaking, the pilots usually need months or even years to learn to operate the drones before they can join the combat, but the operation of FLYINGFISH with integrated automatic flight control units is very easy. The pilots only need to learn to set up the catapult, enter the attack coordinates and launch FLYINGFISH, and the whole operation training can be completed within 30 minutes.

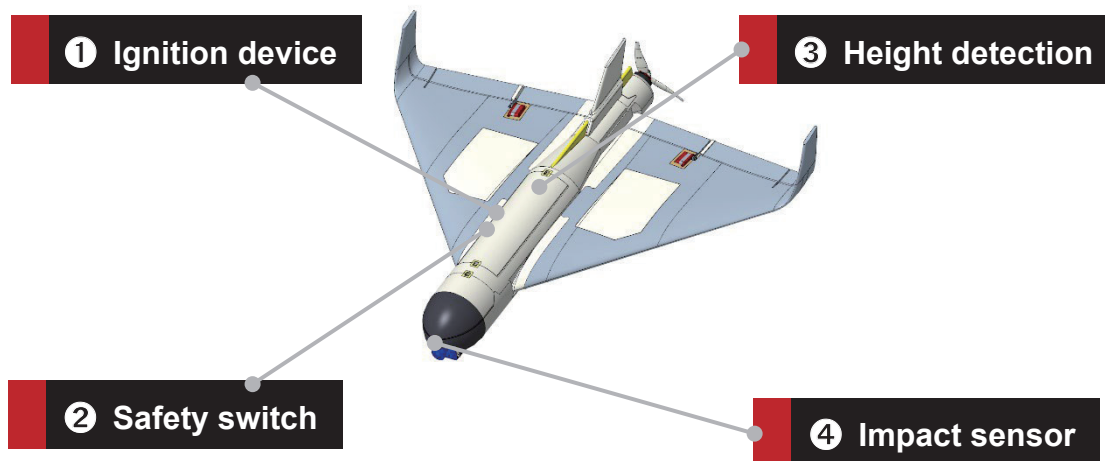


FLYINGFISH SUICIDE DRONE

Point and Strike



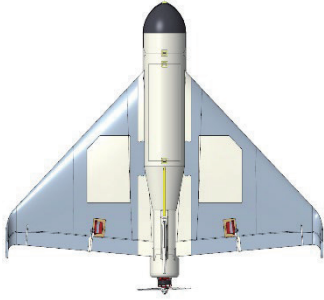
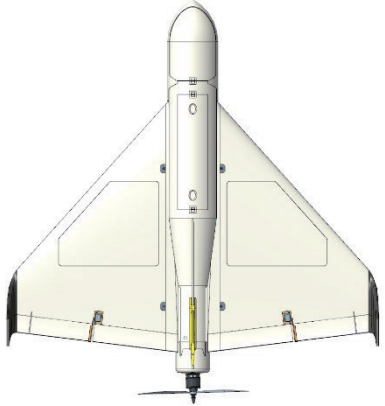
Safety and Arming



- 1 Ignition device**: Install the ignition device and explosive payload.
- 2 Safety switch**: Turn on the safety switch on the ignition device.
- 3 Height detection**: Activate "**4 Impact sensor**" when the flying height of FLYINGFISH exceeds 100 meters.
- 4 Impact sensor**: Ignite and detonate the explosive payload.*

* If conditions "**1**, **2** and **3**" are not met, FLYINGFISH will not detonate even if it's impacted.

Specification

FLYINGFISH Family	SNIPER	ATTACKER
		
Camera	*	4K camera
AI recognition	*	Yes
Navigation	GPS	GPS
Max. payload	0.4kg	1.5kg
Max. takeoff weight	1.1kg	4.5kg
Power source	High efficiency battery	High efficiency battery
Max. speed	140km/h	120km/h
Cruising speed	65km/h	70km/h
Max. altitude	1000m	1000m
Max. Flight duration	25mins	40mins
Max. flight distance	20km	50km
Data transmission	1km	50km
Video transmission	*	50km
Take off	Catapult launcher	Catapult launcher
Wings	Assemblable	Assemblable
Diameter (Span)	654.0mm	1170.0mm
Diameter (Length)	624.0mm	1155.0mm

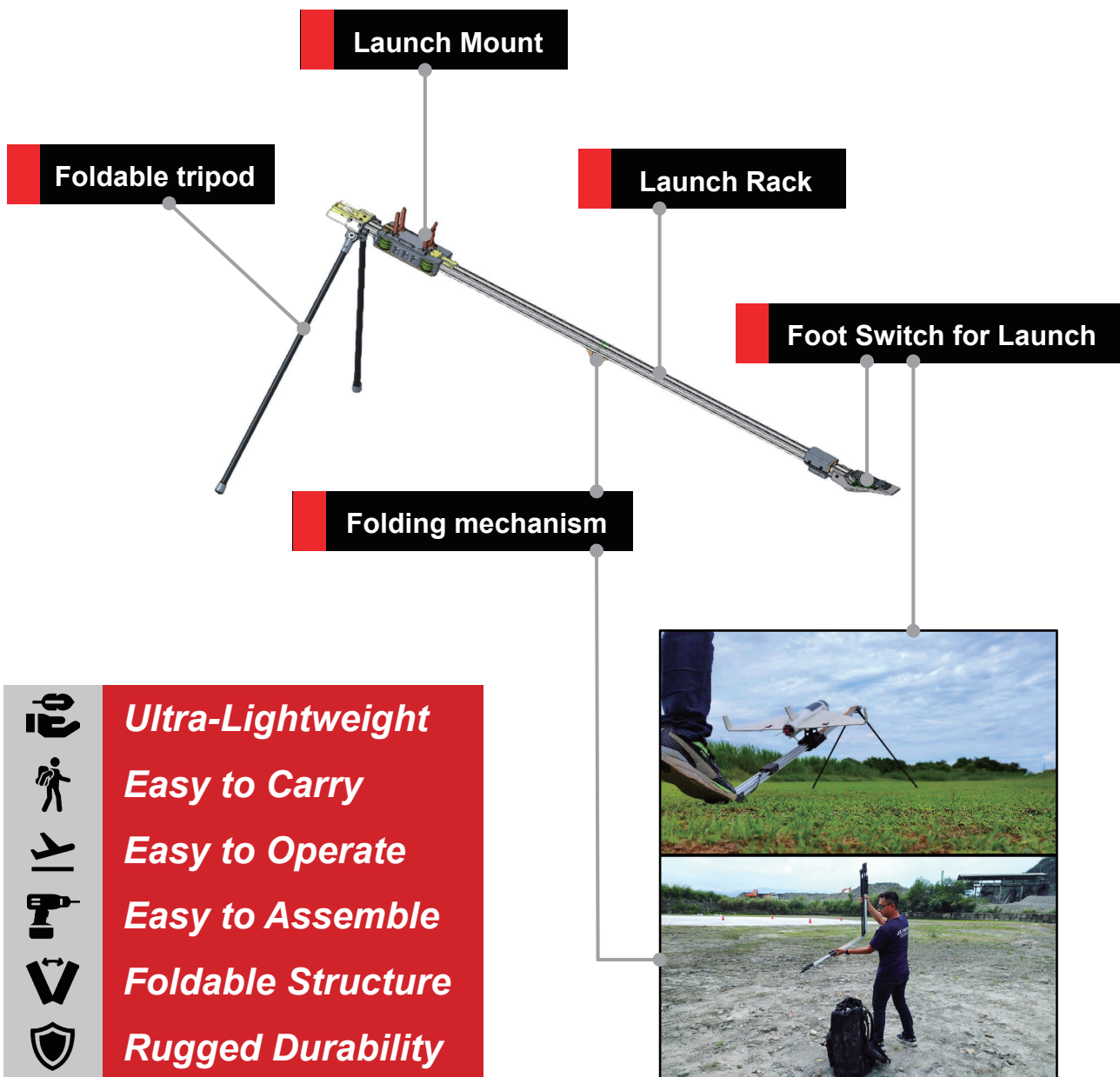
* Optional

FLYINGFISH SUICIDE DRONE

Accessory_Catapult

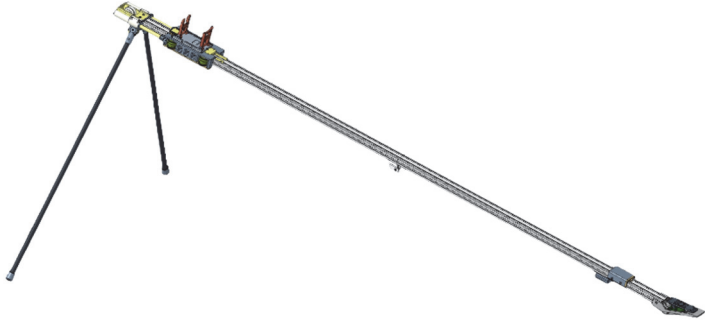


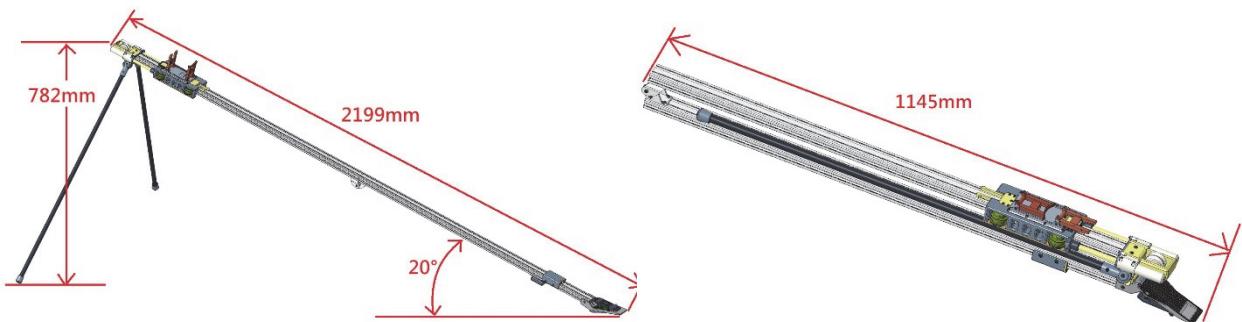
The catapult "JC_CT02" is foldable, portable, can be transported and set up by a single operator, and easy to carry or store when not in use. It is suitable for launching FLYINGFISH the "SNIPER". JC_CT02 is made of high quality aluminum and the surface adopts anti-rust treatment technology. The solid structure guarantees successful take-off of the FLYINGFISH. It takes only 1 minutes to set up the entire catapult. We can also deliver operation and maintenance training to give users all the knowledge they need to confidently operate the system.



Specification



JC-CT02	
Model	
Launch speed	25m/s
Launch angle	20 degrees
Suitable for UAV	FLYINGFISH the "SNIPER"
Max. UAV mass	1.5kg
Unfolding length	2199mm
Unfolding height	782mm
Folded length	1145mm
Net weight	3.5kg



FLYINGFISH SUICIDE DRONE


Accessory_Tablet



The Rugged Tablet “**JC_RT01**” bonded with a scratch-resistant projected capacitive multi-touch LCD screen and designed to operate in a range of tough conditions, with an operating temperature range of -20°C to 50°C and meets MIL-STD-810G specifications for vibration resistance and drop testing from 122cm. The JC_RT01 boasts waterproof tablet design with its IP65 compliant construction which also keeps out dust and other contaminants. Its ruggedized specifications, flexibility, usability and waterproof design makes it an indispensable tool for everything from field work to military applications.



Specification

	JC-RT01
Model	
Processor	Intel® Celeron® N3350
Operating system	Windows® 10 IoT
Memory	Onboard DDR3L 4GB
Storage	eMMC 64GB
Display	10.1" 1280x800 Multi-Touch TFT LCD
I/O port	Micro-HDMI port x 1 SIM card slot x 1 Micro-SD card slot x 1 Audio jack x 1 (3.5mm) USB 3.2 Gen 1 x 2 (USB Type-C x 1), USB 2.0 x 2 DC-in jack x 1 RS-232/422/485 COM Port x 1 10/100/1000 Base-T RJ45 x 1 Smart card reader x 1 (Optional, Without IP protection)
Communication	Wi-Fi 802.11 b/g/n, Bluetooth v5.1 (EDR + BLE)
Navigation	Up to 3 GNSS, GPS + Galileo, GLONASS
WWAN	LTE via mini-card slot
Camera	2MP front camera, 8MP rear camera with flash
Operating temp.	-20°C ~ 50°C
Environment sealing	IP65
Vibration	MIL-STD-810G-514.6 / ASTM 4169-99
Drop	MIL-STD-810G-516.6: 122cm
Power supply	Input: AC100~240V, 50~60Hz, Output: 12V/3A/36W
Battery life	Li-ion Battery 8-hour battery life based on test configurations
Dimension	272.0mm(L) x 190.0mm(W) x 20.4mm(D)
Gross weight	1.0kg

FLYINGFISH SUICIDE DRONE

Accessory_Backpack



The tactical backpack "JC_TB01" is waterproof, abrasion resistant, large capacity, and can hold 3 FLYINGFISH the "SNIPER", tablet, catapult, and a variety of kits and combat supplies, making it ideal for a maneuvering combat environment.



Extra-Large Capacity


Waterproof & Abrasion Resistant

Suitable for "SNIPER"

Multi-Pocket Design

High Mobility

Specification

Model	JC_TB01
	
Dimension(70L)	680.0mm(H) x 480.0mm(W) x 270.0mm(D)
Dimension(85L)	680.0mm(H) x 480.0mm(W) x 370.0mm(D)
Material	Waterproof & abrasion resistant Nylon fabric
Color	Brown / Camouflage
Volume	70L to 85L
Weight	2.2kg



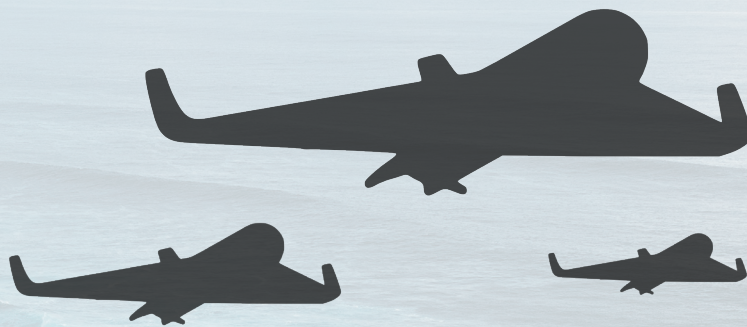
BORN

TO



ATTACK

Always ready for the extra Mile



Follow Us



JC TECHNOLOGY INC.

8F, No. 580, Ruiguang Rd., Neihu Dist., Taipei City 114728, Taiwan

TEL: +886-2-2792-8985

FAX: +886-2-2792-8977

EMAIL: sales@jc-tech.com.tw

WEB: www.jc-tech.com.tw