



F4F ROBOCORE

FULLY AUTONOMOUS AERIAL ROBOT. MODULAR CONCEPT.
VARIABLE SENSORY EQUIPMENT AND PAYLOAD.
OPENSOURCE SW.

Compact Power & Scalable Design

Available in multiple configurations. Agile indoor models or heavy-duty platforms for long missions. Each frame is tuned for maximum stability and smooth control in tight spaces.

Extended Endurance, Proven Efficiency

Up to 53 minutes of flight and 4 kg payload capacity ensure reliable operation in demanding environments. Intelligent power management keeps performance consistent across all variants.

Adaptive Sensor Suite

Supports modular payloads from 3D LiDAR to hyperspectral or gas-sensing cameras. Flexible integration enables precise mapping and automated defect detection.

Secure AI Core & Smart Autonomy

Jetson Orin NX 16 GB provides real-time AI processing for navigation and visual analysis. Zero Trust architecture and resilient links keep mission data protected.

F4F RoboCore can be supplied in an NDAA-compliant configuration, ensuring that all critical components and subsystems adhere to the U.S. National Defense Authorization Act requirements for security and supply chain integrity.



Contact us at:
info@fly4future.com
+420 608 432 900





		SMALL	MEDIUM	MEDIUM/ LARGE BATT	LARGE
Propeller Size		14 inch	18 inch	18 inch	22 inch
Dimensions with Propellers	Length	710 mm	860 mm	860 mm	1010 mm
	Width	710 mm	860 mm	860 mm	1010 mm
	Height	280 mm	280 mm	280 mm	280 mm
Battery Capacity		222Wh	222Wh	444Wh	444Wh
Empty Weight		1800 g	2050 g	2050 g	2250 g
Battery Weight		1000 g	1000 g	2000 g	2000 g
Maximum Payload		1000 g	1500 g	2750 g	4000 g
MTOW		3800 g	4550 g	6800 g	8250 g
Flight Time (No Payload)		31 min	36 min	47 min	53 min
Flight Time (at MTOW)		19 min	19 min	21 min	19 min
Maximum Speed		16 m/s	16 m/s	16 m/s	16 m/s
Onboard Computer		Jetson Orin NX 16GB			
Options	GPS	RTK 2D Lidar	GSM Module (4G, 5G)		
	VIO	3D Lidar Mono/RGB Cameras	Hyperspectral Cameras		
	Front-Facing Camera	Stereo Cameras	Gas Sensing Sensors		
	Down-Facing Camera	Multispectral Camera	Agriculture Dispenser Module		
	Rear-Facing Camera		Lights Speakers		
	Hailo AI Accelerator		Zero Trust		
	UVDAR Technology	Gimbal Camera	Autonomous Drone System		
	Dust Repellent Coating	Thermal Camera			
	Radar-absorbing Coating	Laser Altimeter			
	Impact-Resistant Casing	Event Camera			
	Secure and Resilient Mesh Communication	UVDAR			
	Custom Payloads	Laser Rangefinder			

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