



NAUDI

National Association of
Ukrainian Defense Industries

UKRSPEC SYSTEMS



PD-2

unmanned aerial system



1100 km

max. operation range



8+ hrs

endurance



4500+ m

service ceiling



7 kg

standard payload



11 kg

maximum payload



180+ km

stable video and control link

ITAR free • Fast supply • Wide mission geographic range • Low operational cost

PD-2 is versatile advanced aerial vehicle designed to conduct various missions in wide geographic range and approved by militaries for militaries.

* All numbers effective with UAV fully loaded (payload + fuel)

TECHNICAL FEATURES






During the years of constant improvement our team received comprehensive feedback from the end-users. Based on our experience and expertise we've made a conclusion that first and foremost human factor should be eliminated to decrease critical issues and failures. We want you to have one of the most reliable drones on the market.

Maximum take-off weight	55 kg
Wingspan	5 m
Endurance	8 hours
Encrypted radio communication distance	180+ km
Maximum flight altitude	4500 m
Engine type	4-stroke carburetor
Fuel type	gasoline
Maximum climb rate	3 m/s (10.8 km/h)
Cruising speed	27.8 m/s (100 km/h)
Maximum flight speed	39 m/s (140 km/h)

AIRFRAME CONFIGURATIONS

Rapidly change airframe configuration on-the-go wherever you are within 15 minutes. No tools required. You can change take-off and landing methods, wingspan, endurance, MTOW, payload weight.

	 VTOL fixed-wing configuration	 Conventional fixed-wing configuration with chassis	 Conventional fixed-wing configuration without chassis
Takeoff and landing	Vertical, using 4 electric motors. No runway needed, able to takeoff and land on a ship deck.	Conventional. Requires runway. Takeoff and landing using a runway and chassis.	Catapult launch and parachute recovery. No runway or chassis needed.
MTOW (UAV weight changes upon different configurations)	55 kg	55 kg	45 kg
Maximum payload weight, kg	11 kg	19 kg	11 kg
Maximum flight altitude, m	4500 m	4700 m	5000 m
Endurance, h	8	10	10
Type of engine	4 stroke	4 stroke	4 stroke
Maximum takeoff weight, kg	55	45	55
Payload weight inc. fuel, kg	20	20	29
Max. operation ceiling, m	4500	5000	4700
Max Flight Speed, km/h	140	160	140
Cruising speed, km/h	100	110	100
Stall speed, km/h	65	65	65
Flight time with max payload weight, h	8	10	10
Approximate length of the maximum route, km	800	1100	1000
Radio range (C2 & Video), km	180+	180+	180+



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SHARK

unmanned aerial system

SHARK UAS - is a perfect multifunctional unmanned aerial system, that combines advanced technologies and the world's richest experience of UAV application.

KEY FEATURES

- Determination of target coordinates
- Encrypted datalink
- Real time reconnaissance
- Low noise visibility



TECHNICAL CHARACTERISTICS:

Communication range	30 / 60 optional
Max. ceiling	2000 m
Operational altitude	1000 m
Flight time	240 min
Cruising speed	80 km/h
Max. speed	150 km/h
Wingspan	3.4 m
Catapult launch	yes

CAMERA:

Optical zoom	30x
Total zoom	90x
Max. tracking distance	up to 5000 m
Digital stabilization	yes
Anti-fog feature	yes



SHARK UAS provides wide range of autonomous intelligence, surveillance and reconnaissance operations in all-environment conditions, such as:

- Aerial reconnaissance
- Border security
- Police operations
- Aerial mapping



UAS CONFIGURATION:

- Shark UAV
- Advanced camera system
- Catapult launcher
- Ground control station
- Software
- Tracking antenna



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