



# 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.

	 <b>VTOL fixed-wing configuration</b>	 <b>Conventional fixed-wing configuration with chassis</b>	 <b>Conventional fixed-wing configuration without chassis</b>
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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