

Pilotix Nexton S3 Black 4x4 2000W



	Operating range: Temperature (from to) °C Pressure, mm Hg Precipitation (snow, rain, fog) Wind speed, m/s
• Flectric	Controls

•	Electric

- Four wheels drive 4x4
- **Steering wheels**
- Suspension based on a rocking beam
- Standardized batteries Standardized control protocols
- Standardized transmission protocols

Specification	
Product name	Pilotix Nexton
Model	S3 Black 4x4 2000W
SKU	7909
Main characteristics	
Type of Base platform	Body-type
Type of chassis (running gear) of the complex	Wheels
Type of power system	Electric
Motor power, W	4x500
Dimensions (L×W×H), mm	830x720x1000
Load capacity, not less than, kg	50
Weight, kg:	
curb weight	108
gross weight	158
Maximum speed on hard-surface roads, km/h	28
Range on paved roads, not less than, km	30
Operating time, not less than, h	2
Deployment and folding time, min	10
Operating range: Temperature (from to) °C Pressure, mm Hg Precipitation (snow, rain, fog) Wind speed, m/s Controls	-10+40 720 до 800 yes 20
Control channel specifications:	
Control and telemetry, GHz	2.4
Video, GHz	5.8
Control radio link range, not less than, km:	3.6
In open area (line of sight)	1.0
In rough terrain:	1.0
Hills (5–7 m high)	0.5
Forest (dense)	0.5
Power	
Battery: Type, voltage, V	4 *** 00 ***
	4 x Li-Ion 8S, 29.6 1 x Li-Ion 6S, 22.2
Detterm and the Al	4 x 20AH
Battery capacity, Ah	1 x 10AH
Charging time of onboard battery consumers, not more than, h	1



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Technical characteristics

№ Characteristic Name, Unit of Measurement Value 1 Type of Base Platform Body-type 2 Type of Chassis (Undercarriage) of the System Wheels 3 Type of power system Electric 4 Motor power, W 4x500 5 Wheel Formula 4x4 6 Dimensions (L×W×H), mm 830x720x1000 7 Ground Clearance, not less than, mm: 120 8 Load capacity, not less than, kg 50 9 Weight, kg: curb weight 108 108 gross weight 108 158 10 Obstacles Overcome on Dry, Sandy Ground, not less than: 30 Maximum Climbing Angle, degrees 30 30 Height of Vertical Wall, mm 125 125 Trench (Ditch) Width, m 0.25 0.13 11 Maximum Speed, not less than, km/h: 0 0.13 11 Maximum Speed, not less than, km: 0 0 0n Hard-Surface Roads 30 30	
2 Type of Chassis (Undercarriage) of the System Electric 3 Type of power system Electric 4 Motor power, W 4x500 5 Wheel Formula 4x4 6 Dimensions (L×W×H), mm 830x720x1000 7 Ground Clearance, not less than, mm: 120 8 Load capacity, not less than, kg 50 9 Weight, kg:	
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5 Wheel Formula 4x4 6 Dimensions (L×W×H), mm 830x720x1000 7 Ground Clearance, not less than, mm: 120 8 Load capacity, not less than, kg 50 9 Weight, kg:	
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10 Obstacles Overcome on Dry, Sandy Ground, not less than: Maximum Climbing Angle, degrees Maximum Tilt Angle, degrees Height of Vertical Wall, mm Trench (Ditch) Width, m Maximum Ford Depth with Solid Bottom, m 11 Maximum Speed, not less than, km/h: On Hard-Surface Roads Off-road 12 Range, not less than, km: On Hard-Surface Roads Off-road 13 O 30 O 30 O 41 O 42 O 41 O 42 O 43 O 44 O 45 O 46 O 47 O 47 O 48 O 48 O 49 O 49 O 40 O 41 O 4	
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Maximum Climbing Angle, degrees Maximum Tilt Angle, degrees Height of Vertical Wall, mm Trench (Ditch) Width, m Maximum Ford Depth with Solid Bottom, m 11 Maximum Speed, not less than, km/h: On Hard-Surface Roads Off-road 12 Range, not less than, km: On Hard-Surface Roads Off-road 13 Maximum Speed, not less than, km: 14 15 Range, not less than, km: On Hard-Surface Roads Off-road 15	
Maximum Tilt Angle, degrees Height of Vertical Wall, mm Trench (Ditch) Width, m Maximum Ford Depth with Solid Bottom, m 11 Maximum Speed, not less than, km/h: On Hard-Surface Roads Off-road 12 Range, not less than, km: On Hard-Surface Roads Off-road 13 Off-road 14	
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12 Range, not less than, km: On Hard-Surface Roads Off-road 30 15	
On Hard-Surface Roads Off-road 30 15	
On Hard-Surface Roads Off-road 30 15	
Off-road 15	
13 Operating Time, not less than, h 2	
14 Autonomous Operating Time without driving, not less than, h 8	
15 Deployment and Preparation Time, max, min 10	
16 Folding Time, max, min 10	
17 Operating Range:	
Temperature (from to), °C -10+40	
Pressure, mmHg 720 до 800	
Precipitation (snow, rain, fog) yes	
Wind Speed, m/s 20	
18 Application Radius, not less than, km 1	
19 Communication Range via Control Radio Channel, not less than, km:	
In Open Terrain (Line of Sight) 1.0	
In Rough Terrain:	
Hills (5-7 m height) 0.5	
Forest (dense) 0.5	
20 Control Channel Specifications:	
Control and Telemetry, GHz 2.4	
Video, GHz 5.8	
21 Battery Charging Time for All Consumers, max, h 1	
21 Battery Charging Time for Air Consumers, max, ii 22 Battery: Type, Voltage, V 4 x Li-Ion 8S, 29.6	
1 x Li-Ion 6S, 22.2	
23 Battery Capacity, Ah 4 x 20AH	
25 Battery Capacity, An 4 x 20An 1 x 10AH	
24 Optoelectronic Surveillance Equipment, units:	
Daytime Video Camera	
25 Camera Field of View:	
Vertical Plane, degrees 160	
Noise Level During Movement, not more than, dBA:	
At Maximum Speed, dBA 72.6	
27 Number of Service Personnel, persons 2	



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Electronic Control Unit Specifications

№	Characteristic Name, Unit of Measurement	Value
1	Controller	FC HobbyDrone H743-WING V3
2	Firmware	Ardurover
3	Servo	Super 200+ High Torque 200kg Metal Servo 12V-24V
4	ELRS	Pilotix ELRS 2.4G Nano with T-antenna PNP(6313)
5	VTX	VTX Pilotix R3000 5.8G 3.0W(4136)
6	FPV camera	FPV Camera CaddxFPV H1(MN10-0LB69)
7	Antenna VTX	Antenna RushFPV Cherry II MMCX RHCP(DC10R)
8	Camera Stabilizer	FPV Gimbal CaddxFPV GM2 (C0CA-GM200)