



- 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 gross weight	108 158
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	-10 ...+40 720 до 800 yes 20
Controls	
Control channel specifications: Control and telemetry, GHz Video, GHz	2.4 5.8
Control radio link range, not less than, km: In open area (line of sight) In rough terrain: Hills (5–7 m high) Forest (dense)	1.0 0.5 0.5
Power	
Battery: Type, voltage, V	4 x Li-Ion 8S, 29.6 1 x Li-Ion 6S, 22.2
Battery capacity, Ah	4 x 20AH 1 x 10AH
Charging time of onboard battery consumers, not more than, h	1

Specifications and appearance of the UV car may be changed by the manufacturer

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 gross weight	108 158
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	30 30 125 0.25 0.13
11	Maximum Speed, not less than, km/h: On Hard-Surface Roads Off-road	28 14
12	Range, not less than, km: On Hard-Surface Roads Off-road	30 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 Pressure, mmHg Precipitation (snow, rain, fog) Wind Speed, m/s	-10 ... +40 720 до 800 yes 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) In Rough Terrain: Hills (5-7 m height) Forest (dense)	1.0 0.5 0.5
20	Control Channel Specifications: Control and Telemetry, GHz Video, GHz	2.4 5.8
21	Battery Charging Time for All Consumers, max, h	1
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 1 x 10AH
24	Optoelectronic Surveillance Equipment, units: Daytime Video Camera	1
25	Camera Field of View: Horizontal Plane, degrees Vertical Plane, degrees	160 160
26	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	Arduover
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)

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