



- 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  |
| General Characteristics   |   |
| Platform Type   | Unibody / Frame-based   |
| Drivetrain Type   | Wheeled, 4x4  |
| Power System  | Electric  |
| Motor Power   | 4 x 500 W   |
| Dimensions (L × W × H)  | 830 × 720 × 1000 mm   |
| Payload Capacity  | ≥ 50 kg   |
| Weight, kg:<br>Curb Weight<br>Gross Weight  | 108<br>158  |
| Maximum speed on hard-surface roads,<br>Range (Paved Road)  | 28 km/h<br>30 Km/h  |
| Operating time, not less than, h  | 2   |
| Deployment and folding time, min  | 10  |
| Operating range:<br>Temperature Range<br>Atmospheric Pressure<br>Weather Resistance<br>Max. Wind Speed                                    | -10 ...+40 °C<br>720 to 800 mmHg yes<br>Rain, Snow, Fog<br>20 |
| Controls  |   |
| Control channel specifications:<br>Control and telemetry<br>Video   | 2.4 GHz<br>5.8 GHz  |
| Control radio link range, not less than, km:<br>In open area (line of sight)<br>In rough terrain:<br>Hills (5–7 m high)<br>Forest (dense) | 1.0<br>0.5<br>0.5   |
| Power   |   |
| Battery: Type, voltage, V   | 4 x Li-Ion 8S, 29.6<br>1 x Li-Ion 6S, 22.2                    |
| Battery capacity  | 4 x 20 Ah<br>1 x 10 Ah  |
| Charging time of onboard battery  | 5 h   |

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:<br>curb weight<br>gross weight   | 108<br>158                                 |
| 10 | Obstacles Overcome on Dry, Sandy Ground, not less than:<br>Maximum Climbing Angle, degrees<br>Maximum Tilt Angle, degrees<br>Height of Vertical Wall, mm<br>Trench (Ditch) Width, m<br>Maximum Ford Depth with Solid Bottom, m | 21<br>21<br>125<br>0.25<br>0.13            |
| 11 | Maximum Speed, not less than, km/h:<br>On Hard-Surface Roads<br>Off-road   | 28<br>14                                   |
| 12 | Range, not less than, km:<br>On Hard-Surface Roads<br>Off-road   | 30<br>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:<br>Temperature (from ... to), °C<br>Pressure, mmHg<br>Precipitation (snow, rain, fog)<br>Wind Speed, m/s  | -10 ...+40<br>720 до 800<br>yes<br>20      |
| 18 | Application Radius, not less than, km  | 1  |
| 19 | Communication Range via Control Radio Channel, not less than, km:<br>In Open Terrain (Line of Sight)<br>In Rough Terrain:<br>Hills (5-7 m height)<br>Forest (dense)  | 1.0<br>0.5<br>0.5                          |
| 20 | Control Channel Specifications:<br>Control and Telemetry, GHz<br>Video, GHz  | 2.4<br>5.8                                 |
| 21 | Battery Charging Time for All Consumers, max, h  | 5  |
| 22 | Battery: Type, Voltage, V  | 4 x Li-Ion 8S, 29.6<br>1 x Li-Ion 6S, 22.2 |
| 23 | Battery Capacity, Ah   | 4 x 20<br>1 x 10                           |
| 24 | Optoelectronic Surveillance Equipment, units:<br>Daytime Video Camera  | 1  |
| 25 | Camera Field of View:<br>Horizontal Plane, degrees<br>Vertical Plane, degrees  | 160<br>160                                 |
| 26 | Noise Level During Movement, not more than, dBA:<br>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)             |