Aircraft platforms

<http://store.drone.ua/shop/aircraftplatforms/agro-2/>

UAV PD1900

€ 2,181.82

PD1900 — the most popular pilotless aircraft facility produced by „Drone.UA“. Detailed aerophotography areal, linear objects and agricultural crops is a basic use.

Connection with terrestrial station

Telemetry set (up to 1.5 km) 3DR 915 MHz (US)

Telemetry set (up to 2 km) 3DR 433 MHz (EU)

Long Range telemetry (up to 40 km) (€ 144.55)

Main sensor

Canon S100 with customized firmware (€ 409.09)

Canon S100 NDVI modified (€ 636.36)

Canon EOS M with customized firmware (€ 908.18)

Additional sensor

Canon S100 with customized firmware (€ 409.09)

Canon S100 NDVI modified (€ 636.36)

Canon EOS M with customized firmware (€ 908.18)

Additional batteries

Without additional batteries

1 set (10 000 mA·h) (€ 172.73)

2 sets (10 000 mA·h) (€ 345.45)

3 sets (10 000 mA·h) (€ 518.18)

Transportation case

Shockproof case „Pelican“ (the degree of protection is IP67) (€ 908.18)

Keeping and transportation case (€ 362.73)

„Black Box“ module

„Flytrex Live“ (€ 190.91)

„Flytrex Core“ (€ 59.09)

Additional equipment and services: € 0.00

Total price: € 2,181.82

Description

PD1900

PD1900 is a pilotless aircraft facility produced by „Drone.UA“. The platform is intended for getting high definition data of aerophotography. The UAV has excellent flight characteristics and allow to cover up to 400 ha for 100 minutes of time of flight.

This is an ideal platform with high degree of refinement for efficient getting of data of large area plots of agriculture, construction, conservancy and search and rescue service. Particular performance of use of this UAV for precision agriculture (PA) is worth noting.

„Ready to Flights“ packaging

The drone set includes everything required for flight execution. An automatic pilot with a GPS package and a compass, a telemetry package (for real-time tracking location and status of the drone during flight task execution), a batteries set, a battery charger, a control console and a ground station software for platform control. Also the software for test of quality and integrity of data from an area is included in the set.

In addition the platform must be completed by one of the available optional sensors for getting data of aerophotography. In the capacity of the sensor you can use your own camera (please, ask us to clarify possibility of cameras compatibility).

Route autonavigation

Each drone is provided with customized and tested automatic pilot system. This automatic pilot module APM 2.6 is an effective and high-tech product that had been modified by international community of engineers last years. Positioning accuracy is provided by robot pilot high-altitude scale from 0.8 to 2.5 m. Flight task completely is programmable from take-off to landing and doesn’t need special pilot skills. Take-off is carried out by a hand as a catapult, then the drone executes navigation according to predetermined route. As flight task is finished the drone returns to launch location, loses height and lands according to predetermined path.

Wind velocity must be less than 30 km/h, if you want to start a safe flight in automatic mode.

All you need is to launch the drone and control navigation process from the ground station.

Camera stabilization and photomapping process

Planting of a camera on a vibrostabilized platform allows to get maximally fine photos. All it needs is to turn on the camera, and it starts to make required photos in compliance with established in „Mission Planer“ values of fore-and-aft and lateral overlaps. Also the customized mounting protects the camera against dust and load during landing.

Ortophotomaps and 3D-maps

An optional software „Pix4D“ allows to create ortorectified materials, that can be used in any geoinformation system environment. Data from the deck of the device allows to build ortophotomaps accurate within 1-5 m, and to increase precision to several centimeters in the presence of overland checkpoints.

Modified NDVI cameras

As well we offer modified „NIRGB“ cameras by „Canon“, „GoPro“ and others that have a filter allowing to get data in electromagnetic spectrum ranges of „Green“, „Blue“ and „Near Infrared“. Correlation of one of visible and infrared spectrums allows to rate NDVI index, so that in its turn permit to analyse condition of plant crops.

Additional information

|  |  |
| --- | --- |
| Material | armored by carboxylic tubes and plates EPO |
| Wing spread | 190 cm |
| Length | 130 cm |
| Takeoff weight | 3 kg |
| Time of flight | Up to 100 minutes |
| Launching | automatic / hand triggering |
| Landing | automatic landing / hand landing |
| Effective area of scanning | up to 400 ha per 1 flight |
| Flight range | up to 70 km |
| Construction | demountable platform |

Multi-rotary platforms

<http://store.drone.ua/shop/multirotoryeplatform/dji-phantom3/>

DJI Phantom 3

€ 1,502.86

This multicopter „Phantom 3“ offers a rich functional of possibilities to get aerial data.

„Black Box“ module

Flytrex Live (€ 190.91)

Flytrex Core (€ 59.09)

Additional services

Installation of additional options and modules (€ 27.27)

Training (€ 45.45)

Additional equipment and services: € 0.00

Total price: € 2,181.82

Description

Control monitoring

A new control panel has a handy ergonomic, cool design and allow to pilot the drone and set camera with ease. The control panel is equipped with built-in LiPo accumulator, USB interface and fastening for smartphone or tablet.

Camera stabilization and photomapping process

A new three-axis suspension has high degree of freedom of movement over the wide angular range. This model reach 30° in addition in vertical plane, it gives extra facilities of mapping during level flight. The camera records video of 4K format and gets photos of 12-megapixel definition. Aerophotography with this model of multicopter is earnest of high-definition video.

On-line broadcast

Thanks to a technology „Lightbridge“ we can get a streaming HD-video within 2 km. All you need is nothing but to connect a smartphone or a tablet to the control desk.

Positioning system

A technology „Vision Positioning“ allows to carry out flights in a restricted space without any GPS signal.

Smart battery

Properties of accumulator batteries (more capacious) and battery chargers (charges faster) have been improved. A built-in indication allows to look after remaining battery charge, so replacement of batteries takes only some seconds.

Power unit

An updated power unit has great power reserve, making a flight stable in the most difficult flight conditions.

Mobile application

Make absolute control monitoring using the mobile application.

* video editor;
* YouTube Livestreaming;
* controllable camera settings;
* built-in flight simulator;
* Flight Log.

Additional information

|  |  |
| --- | --- |
| Multicopter data | Weight (with a battery and propellers): 1 280 g |
|  | Temperature of operation: 0…+40 °C |
|  | One charge flight time: up to 23 min |
|  | Positioning accuracy with GPS: vertically — 0.1 m / horizontally — 1 m |
|  | Take-off/landing max speed: 5/3 m/s |
|  | Level flight max speed: 16 m/s |
|  | Suspension incline range with the camera: -90…+30° |
|  | Removable battery: 4S LiPo 4 480 mA·h |
| Camera data | Camera matrix: „Sony“ EXMOR 1/2.3’’, 12.4 Mp |
|  | Resolution: 4 000 x 3 000 |
|  | Lens: FOV 94° 20 mm, f/2.8, focus ∞ |
|  | ISO: 100-3 200 (video), 100-1 600 (photo) |
|  | Exposure: 8 s-1/8 000 s |
|  | Shoot mode: single-frame, multiple — 3/5/7 shots, automatic exposure bracketing — 3/5, bracketing in increments of 0.7; time-lapse |
|  | Video recording: UHD — 4 096x2 160 p 24/25, 3 840x2 160 p 24/25/30; FHD — 1 920x1 080 p 24/25/30/48/50/60; HD — 1 280x720 p 24/25/30/48/50/60 |
|  | Video max bitrate: 60 Mbps |
|  | Memory card: Micro SD (up to 64 Gb, Class 10 or UHS-1 |
| Transmitter data | Operating rate: 2.400-2.483 GHz |
|  | Communication range (in open territory): up to 2 000 m |
|  | Built-in accumulator: 6 000 mA·h LiPo 2S |
|  | Receiver sensitivity (1%PER): -101 dBm ±2 dBm |
|  | Transmitter energy consumption: 1.2 A@7.4 V |
| Positioning system | Speed range: up to 8 m/s (on the height above 2 m) |
|  | Height range: 30-300 cm |
|  | Operating environment: contrast with illuminance more than 15 Lx |
|  | Operating range: 30-300 cm |
| Packaging | Multicopter |
|  | Control panel (transmitter) |
|  | Camera with suspension |
|  | Accumulator battery |
|  | Battery charger |
|  | MicroSD Card 16 Gb |
|  | Four pairs of propellers |
|  | Fastening for a smartphone/tablet |
|  | Micro-USB cable |

<http://store.drone.ua/shop/multirotoryeplatform/dji-phantom2/>

DJI Phantom 2 + Zenmuse H4-3D

€ 815.27

This multicopter with three-axis suspension „Zenmuse H4-3D“ is a specimen of a new generation of unmanned aerial vehicles (UAVs), that is completely adapted for photo- and videomapping form the air by a company „DJI“.

Camera and stabilization

„GoPro 4 Black“ (€ 482.73)

„GoPro 4 NDVI“ (€ 908.18)

Removable propellers

1 pair of propellers (CW+CCW) (€ 13.00)

2 pairs of propellers (CW+CCW) (€ 26.00)

Protect of propellers

Protect of propellers for „Phantom 2“ (€ 17.00)

Additional batteries

1 additional battery (€ 109.00)

2 additional batteries (€ 218.00)

3 additional batteries (€ 327.00)

„Black Box“ module

„Flytrex Live“ (€ 190.91)

„Flytrex Core“ (€ 59.09)

Transportation case

Aluminium case (€ 84.55)

Protected shockproof case (€ 318.18)

FPV system

HD FPV display „RX-LCD5802“ 7″ Diversity Rx 5.8 GHz (€ 175.45)

HD FPV display „Black Pearl“ 7″ Diversity Rx 5.8 GHz (€ 209.08)

Videotransmitter „Tx“ 5.8 GHz TS832 600MW (€ 65.91)

CloverLeaf antenna set „BOSCAM“ 5,8 GHZ (€ 25.05)

Receiving twisted antenna „Boscam“ 5,8 GHz with protect (€ 29.00)

„DJI“ Lightbridge 2.4 GHz Full HD Digital video downlink (€ 1,200.00)

Telemetry and autonavigation

„DJI“ 2.4Ghz Bluetooth DataLink (€ 149.09)

„DJI“ iOSD mini (€ 59.09)

Additional services

Installation of additional options and modules (€ 27.27)

Training (€ 45.45)

Additional equipment and services: € 0.00

Total price: € 815.27

Description

Control accuracy and position holding

The flight controller using data of connected the compass and GPS allows to locate the drone in the air with high degree of accuracy in the most difficult flight conditions, so the drone can concentrate on photomapping.

Locating and return to a launch point

The flight controller stores coordinates of a point the drone had been initialized. If a contingency (as leaving a zone of stable receiving control desk signal or critical level of a charge) appears „Phantom 2“ returns to an initialization point independently, loses height and executes landing procedure.

Fast accumulator replacement

A new battery block of the multicopter is in a special corps and allows to replace discharged accumulator in a matter of seconds, you don’t need even to disconnect any contacts, just push up the locks and slide a battery.

No Fly Zones

For the purpose of flights protection and incident prevention a new function „No Fly Zones“ is included in the multicopter firmware of series „Phantom 2“. It divides flight zones around of an airport into 2 categories „A“ and „B“ with different degree of limitation in it.

High-quality stabilization and efficiency

The suspension had been designed according to particular technology of three-axis stabilization that doesn’t have any analog. The suspension had been constructed and balanced specially for „GoPro“ cameras. As ever the suspension construction is easy to install and perfect to both FPV system flying and videomapping.

Route autonavigation

In addition the drone can be completed by the automatic pilot system that allows to navigate predetermined route. Navigation can be carried out in automatic mode, including steps of take-off and landing and at that not demanding special pilot skills. All you need is to measure an area, to make a flight route, to launch the drone and to control navigation process form a ground station. After a route is executed or a contingency is appeared the drone returns to a launch point.

Possibility to control by a computer or a tablet is foreseen.

Additional information

|  |  |
| --- | --- |
| Multicopter data | Weight (with a battery, propellers a suspension and a camera): 1 242 g |
|  | Temperature of operation: -10…+50 °C |
|  | One charge flight time: up to 25 min |
|  | Positioning accuracy with GPS: vertically — 0.8 m / horizontally — 2.5 m |
|  | Take-off/landing max speed: 6/2 m/s |
|  | Level flight max speed: 15 m/s |
|  | Suspension incline range with the camera: 0…60° |
|  | Removable battery: 3S LiPo 5 200 mA·h |
| Transmitter data | Operating rate: 2.400 GHz (ISM) |
|  | Communication range (in open territory): up to 1 000 m |
|  | Receiver sensitivity (1%PER): -97 dBm |
|  | Transmitter energy consumption: 100 mA@6B |
|  | Power supply: built-in accumulator battery |
| Packaging | Multicopter |
|  | Control panel (transmitter) |
|  | Suspension for a camera |
|  | Accumulator battery |
|  | Battery charger |
|  | Four pairs of propellers |

<http://store.drone.ua/shop/multirotoryeplatform/p2-vision-lr/>

DJI Phantom 2 Vision+ V3.0

€ 959.09

Phantom 2 Vision+ is easy to setup and extra easy to operate, also it is the most popular entry level platform.

Range extending

Control channel and video remoteness extending (up to 2 km) (€ 254,55)

Transportation case

Aluminium case (€ 84.55)

Protected shockproof case (€ 318.18)

Additional batteries

1 additional battery (€ 70.00)

2 additional batteries (€ 179.00)

3 additional batteries (€ 287.82)

Protect of propellers

Protect of propellers for „P2 Vision +“ (€ 17.00)

Removable propellers

1 pair of propellers (CW+CCW) (€ 13.00)

2 pairs of propellers (CW+CCW) (€ 26.00)

„Black Box“ module

„Flytrex Live“ (€ 190.91)

„Flytrex Core“ (€ 59.09)

Additional services

Installation of additional options and modules (€ 27.27)

Training (€ 45.45)

Additional equipment and services: € 0.00

Total price: € 959.09

Description

Phantom 2 Vision +

A multicopter „DJI Phantom 2 Vision +“ is one of the most easy to operate and exploit drones. With an integrated 14 Mp camera you can get unique shots and videos in the air.

Aerophotography. Camera stabilization and photomapping process

The camera is set in the three-axis stabilization suspension, so you can get high-quality data.

Operate the camera during a flight, making unique photos. You can bend it in one movement using updated console-controller.

Possibility of application

An application „Pix4Dmapper Capture“ allows to use a multicopter as a tool for making high-quality maps and 3D-models.

To start a work you need:

* choose a ground;
* start an autonomous mission;
* mapping and geotagging of photos are carried out aoutomatically;
* shots are downloaded to a smartphone or a tablet after a mission is finished.

Additional information

|  |  |
| --- | --- |
| Multicopter data | Multicopter weight (with a battery and propellers): 1 284 g |
|  | Temperature of operation: -10…+50 °C |
|  | One charge flight time: up to 25 min |
|  | Positioning accuracy with GPS: vertically — 0.8 m / horizontally — 2.5 m |
|  | Take-off/landing max speed: 6/2 m/s |
|  | Level flight max speed: 15 m/s |
|  | Suspension incline range with the camera: 0…60° |
|  | Removable battery: 3S LiPo 5 200 mA·h |
| Camera data | Camera matrix: 1/2.3’’, 14 Mp |
|  | Resolution: 4 384 x 3 288 |
|  | HD-video recording: 1 080p-30 FPS and 720p-60 FPS |
|  | Viewing angle: 110° / 85° |
| Transmitter data | Operating rate: 5.728-5.85 GHz |
|  | Communication range (in open territory): up to 800 m |
|  | Receiver sensitivity (1%PER): -93 dBm |
|  | Transmitter energy consumption: 80 mA@6B |
| Range Extender data | Operate rate: 2 412-2 462 MHz |
|  | Working range (in open territory): 500-700 m |
|  | Transmitter power: 20 dBm |
|  | Power consumption: 2 W |
| Packaging | Multicopter |
|  | Camera with suspension |
|  | MicroSD Card 4 Gb |
|  | Accumulator battery |
|  | Battery charger |
|  | Four pairs of propellers |
|  | Control console and WiFi Extender |
|  | Fastening for a smartphone |
|  | Micro-USB cable |

<http://store.drone.ua/shop/multirotoryeplatform/agro-drone-ua-cd600-lf/>

CD600 UAV hardware

€ 3,634.55

CD600 is a pilotless multirotary hardware by the professionals of „Drone.UA“. The specific characteristic of this multicopter is increased duration and range of flight. The platform is optimized for executing works of monitoring and survey of areas up to 150 ha and lengthy objects up to 10 km.

Main sensor

My own camera

„GoPro Hero 4 Black“ (€ 482.73)

Modified „GoPro 4 NDVI“ (€ 908.18)

Additional sensor

„GoPro Hero 4 Black“ (€ 482.73)

Modified „GoPro 4 NDVI“ (€ 908.18)

Range extending

Control channel (up to 40 km) (€ 281,82)

Video channel (up to 15 km) (€ 27.27)

Additional batteries

1 battery (6S1P 15C 16 000 mA·h) (€ 299.09)

2 batteries (6S1P 15C 16 000 mA·h) (€ 598.18)

3 batteries (6S1P 15C 16 000 mA·h) (€ 897.27)

Battery charger and power supply

Improved battery charger „Hyperion EOS 0730i NET3“ (€51.82)

Advanced power supply „SkyRC eFuel 30A Power Supply 12-18V“ (€ 42.73)

Transportation case

Shockproof case „Pelican“ (the degree of protection is IP67) (€ 594.55)

Keeping and transportation case (€ 318.18)

„Black Box“ module

„Flytrex Live“ (€ 190.91)

„Flytrex Core“ (€ 59.09)

Additional equipment and services: € 0.00

Total price: € 3,634.55

Description

CD600

CD600 is a multirotary hardware assembled and tested by „Drone.UA“. This technology solution is optimized to get high-definition aerophotomapping data. It has a durable and safe chassis to realize industrial tasks.

The configuration of the drone provides a possibility to execute continuous flights and areas scanning up to 150 ha for one take-off.

„Ready to Flights“ packaging

The drone set includes an automatic pilot with a GPS package and a compass, a 2 km range telemetry block (as option can be increased to 40 km), a battery, a battery charger and a power supply, a control console and a ground station software. Also modules for on-line transmitting and receiving videosignal is included in the set.

Route autonavigation

In addition the drone can be completed by the fully customized automatic pilot system that allows to navigate predetermined route. Navigation can be carried out in automatic mode, including steps of take-off and landing and at that not demanding special pilot skills. All you need is to measure an area, to make a flight route, to launch the drone and to control navigation process form a ground station. After a route is executed or a contingency is appeared the drone returns to a launch point.

Possibility to control by a computer or a tablet is foreseen.

Camera stabilization and photomapping process

Use the most advanced in own way three-axis stabilization allows to get high-quality data whether it be videos or photos.

For scanning areas it needs to plan a route, set optimal overlap values for shots and photomapping interval for the sensor.

Ortophotomaps and 3D-maps

An optional software „Pix4D“ and „Agisoft Photoscan“ allows to create ortorectified materials, that can be used in any geoinformation system environment. Data from the deck of the device allows to build ortophotomaps accurate within 1-5 m, and to increase precision to several centimeters in the presence of overland checkpoints, getting spatial resolution from 1-3 cm for pixel.

Cameras and sensors

As option we offer a line of cameras and sensors for agricultural use, photo- and videofilming and inspecting.

For agricultural use we modify the cameras „GoPro“ and „Canon PowerShot“, so it records near infrared of the spectrum for further analysis of vegetative index NDVI. This camera allows to rate vegetation status distantly.

Also there is a possibility to complete the drone with a thermal imaging camera for heat radiation fixing.

Additional information

|  |  |
| --- | --- |
| Material | aluminium, carbon |
| Chassis configuration | hexacopter |
| Dimensions | 70cm x 70cm x 23cm |
| Flight batteries | 6S1P 16 000 mA·h LiPo |
| Takeoff weight | 4.5 kg |
| Time of flight | up to 40 minutes |
| Take-off/landind type | vertical |
| Effective area of scanning | up to 150 ha |
| Effective flight range | up to 10 km (distance to launch point) |
| Control channel distance | 2 km (up to 40 km as option) |
| Video signal transmitting distance | 2 km (up to 15 km as option) |
| Drone max speed | 15 m/s (it is not recommended) |
| Operate height | up to 3 |
| Preflight preparation | 5 min |

<http://store.drone.ua/shop/multirotoryeplatform/dji-s900/>

DJI S900

€ 1,180.91

DJI S900 is a hexacopter for professional use. It is right for aerophotomapping, locality inspecting, holding works of patrolling and monitoring of large areas.

Flight controller and suspended equipment

Without controller and suspended equipment

„WooKong-M“ (€ 360.00)

„A2“ (€ 660.00)

„WooKong-M + Zenmuse Z15-BMPCC“ (€ 1,810.00)

„WooKong-M + Zenmuse Z15-GH4 (HD)“ (€ 1,810.00)

„A2 + Zenmuse Z15-GH4 (HD)“ (€ 2,110.00)

„A2 + Zenmuse Z15-BMPCC“ (€ 2,110.00)

FPV system

HD FPV display „RX-LCD5802“ 7″ Diversity Rx 5.8 GHz (€ 175.45)

HD FPV display „Black Pearl“ 7″ Diversity Rx 5.8 GHz (€ 209.08)

Videotransmitter „Tx“ 5.8 GHz TS832 600MW (€ 65.91)

CloverLeaf antenna set „BOSCAM“ 5,8 GHZ (€ 25.05)

Receiving twisted antenna „Boscam“ 5,8 GHz with protect (€ 29.00)

„DJI“ Lightbridge 2.4 GHz Full HD Digital video downlink (€ 1,200.00)

Telemetry and autonavigation

„DJI 2.4Ghz Bluetooth DataLink“ (€ 149.00)

„DJI iOSD Mark II“ (€ 195.00)

Control equipment

„Futaba 14SG“ (pilot) (€ 627,27)

„Futaba 14SG + Futaba T8FG“ (pilot + operator) (€ 1,163.64)

Additional batteries

1 additional battery (6S1P 15C 16 000 mA·h) (€ 370.91)

2 additional batteries (6S1P 15C 16 000 mA·h) (€ 741.82)

3 additional batteries (6S1P 15C 16 000 mA·h) (€ 1,112.73)

„Black Box“ module

„Flytrex Live“ (€ 190.91)

„Flytrex Core“ (€ 59.09)

Transportation case

Keeping and transportation case (€ 363.64)

Additional services

Assembling and testing (€ 181.82)

Training (€ 90.91)

Additional equipment and services: € 0.00

Total price: € 1,180.91

Description

Portability

Folding rays allows to economize space making transporting of the drone more comfortable, so the time of flight preparation had decreased till 5 min!

Removable upper central plate

The upper central plate S900 is a removable element, so it allows to install IMU, iOSD, Lightbridge, flight controller, power distribution system and other modules.

Energy distribution system

Streamlined energy distribution system increases safety and reliability of flights. Unique holders save the power cable against pulling out during a flight and lighten operability system setup.

Sparkless connection

It allows to avoid the short circuit and helps to connect power supply by means of sparkless plug „AS150“ with ease.

Camera stabilization and photomapping process

There is a full compatibility with all of the suspensions „Zenmuse“, providing softness of a survey in the most difficult conditions.

Folding undercarriage

The folding undercarriage with the special suspension fastening provide extremely wide range of survey angle.

Vibration resistance

Fastening elements for the suspension are divided from the main chassis by means of special construction dampers, so it decreases vibration essentially and allows to get more fine picture.

Increased power

The 40 A electronic rpm governor is one of the most rapid among existent on the market and built in each ray. In combination with the professional electric motors „4114“, the folding airscrews „1552“ and the V-design „S900“ emerges traction 2,5 kg per ray. The engine has improved heat emission, greater efficiency and reliability.

Innovative construction of ray

Each ray „S900“ is designed with inversion 8° and incline 3°, it makes the drone more stable during the flight.

Additional information

|  |  |
| --- | --- |
| Chassis | Diagonal: 900 mm |
|  | Length of ray: 358 mm |
|  | Weight of ray: 316 g (including engine, ESC and propeller) |
|  | Diameter of the central chassis: 272 mm |
|  | Weight of the central chassis: 1 185 g (including chassis and servo-motors) |
|  | Dimensions of the chassis: 460 mm (L) x 450 mm (W) x 360 mm (H) |
| Engine | Dimension of the stator: 41 mm x 14 mm |
|  | RPM per 1 V: 400 |
|  | Max power: 500 W |
|  | Weight: 158 g |
| RPM governor (ESC) | Operating current: 40 A |
|  | Working voltage: 6S LiPo |
|  | Signal frequency: 30 Hz ~ 450 Hz |
|  | PWM signal frequency: 8 kHz |
|  | Weight: 35 g |
| Airscrew | Material: high-strength plastic |
|  | Dimensions: 15 x 5.2” |
|  | Weight: 13 g |
| Flight characteristics | Take-off weight: 4.7 ~ 8.2 kg |
|  | Total weight: 3.3 kg |
|  | Accumulator battery: LiPo 6S, 10 000 mA/h ~ 15 000 mA/h, 15C (min) |
|  | Max power consumption: 3 000 W |
|  | Operating temperature: -10…+40 °C |

<http://store.drone.ua/shop/multirotoryeplatform/dji-s1000/>

DJI S1000+

€ 1,735.45

S1000+ is an octocopter for professional use.

Flight controller and suspended equipment

Without flight controller and suspension

„WooKong-M“ (€ 400.00)

„A2“ (€ 720.00)

„A2 + Zenmuse Z15-GH4 (HD)“ (€ 2,450.00)

„A2 + Zenmuse Z15-5D III (HD)“ (€ 2,450.00)

„A2 + Zenmuse Z15-BMPCC“ (€ 2,450.00)

„WooKong-M + Zenmuse Z15-5D III (HD)“ (€ 2,150.00)

„WooKong-M + Zenmuse Z15-BMPCC“ (€ 2,150.00)

„WooKong-M + Zenmuse Z15-GH4 (HD)“ (€ 2,150.00)

FPV system

HD FPV display „RX-LCD5802 7″ Diversity Rx 5.8 GHz“ (€ 175.45)

HD FPV display „Black Pearl 7″ Diversity Rx 5.8 GHz“ (€ 209.08)

Videotransmitter „Tx 5.8 GHz TS832 600MW“ (€ 65.91)

CloverLeaf antenna set „BOSCAM 5.8 GHz“ (€ 25.05)

Receiving twisted antenna „Boscam 5.8 GHz“ with protect (€ 29.00)

„DJI Lightbridge 2.4 GHz Full HD Digital video downlink“ (€ 1,200.00)

Telemetry and autonavigation

„DJI 2.4 GHz Bluetooth DataLink“ (€ 149.00)

„DJI iOSD Mark II“ (€ 195.00)

Control equipment

„Futaba 14SG“ (pilot) (€ 627,27)

„Futaba 14SG + Futaba T8FG“ (pilot + operator) (€ 1,163.64)

Additional batteries

1 battery (6S1P 25C 22 000 mA·h) (€ 636.45)

2 batteries (6S1P 25C 22 000 mA·h) (€ 1,272.91)

3 batteries (6S1P 25C 122 000 mA·h) (€ 1,909.36)

„Black Box“ module

„Flytrex Live“ (€ 190.91)

„Flytrex Core“ (€ 59.09)

Transportation case

Keeping and transportation case (€ 363.64)

Additional services

Assembling and testing (€ 181.82)

Training (€ 90.91)

Additional equipment and services: € 0.00

Total price: € 1,735.45

Description

Portability

Folding rays allows to economize space making transporting of the drone more comfortable, so the time of flight preparation had decreased till 5 min!

Removable upper central plate

The upper central plate S1000+ is a removable element, so it allows to install IMU, iOSD, Lightbridge, flight controller, power distribution system and other modules.

Energy distribution system

Streamlined energy distribution system increases safety and reliability of flights. Unique holders save the power cable against pulling out during a flight and lighten operability system setup.

Sparkless connection

It allows to avoid the short circuit and helps to connect power supply by means of sparkless plug „AS150“ with ease.

Camera stabilization and photomapping process

There is a full compatibility with all of the suspensions „Zenmuse“, providing softness of a survey in the most difficult conditions.

Folding undercarriage

The folding undercarriage with the special suspension fastening provide extremely wide range of survey angle.

Vibration resistance

Fastening elements for the suspension are divided from the main chassis by means of special construction dampers, so it decreases vibration essentially and allows to get more fine picture.

Increased power

The 40 A electronic rpm governor is one of the most rapid among existent on the market and built in each ray. In combination with the professional electric motors „4114“, the folding airscrews „1552“ and the V-design „S1000+“ emerges traction 2,5 kg per ray. The engine has improved heat emission, greater efficiency and reliability.

Innovative construction of ray

Each ray „S1000+“ is designed with inversion 8° and incline 3°, it makes the drone more stable during the flight.

Additional information

|  |  |
| --- | --- |
| Chassis | Diagonal: 1 045 mm |
|  | Length of ray: 386 mm |
|  | Weight of ray: 325 g (including engine, ESC and propeller) |
|  | Diameter of the central chassis: 337 mm |
|  | Weight of the central chassis: 1 520 g (including chassis and servo-motors) |
|  | Dimensions of the chassis: 460 mm (L) x 511 mm (W) x 305 mm (H) |
| Engine | Dimension of the stator: 41 mm x 14 mm |
|  | RPM per 1 V: 400 |
|  | Max power: 500 W |
|  | Weight: 158 g |
| RPM governor (ESC) | Operating current: 40 A |
|  | Working voltage: 6S LiPo |
|  | Signal frequency: 30 Hz ~ 450 Hz |
|  | PWM signal frequency: 8 kHz |
|  | Weight: 35 g |
| Airscrew | Material: high-strength plastic |
|  | Dimensions: 15 x 5.2” |
|  | Weight: 13 g |
| Flight characteristics | Take-off weight: 6.0 ~ 11.0 kg |
|  | Total weight: 4.4 kg |
|  | Accumulator battery: LiPo 6S, 10 000 mA/h ~ 15 000 mA/h, 15C (min) |
|  | Max power consumption: 4 000 W |
|  | Operating temperature: -10…+40 °C |

Suspended equipment

<http://store.drone.ua/shop/suspensions/triho/>

TRIHO

€ 180.91

A module is for bringing in of trichogramma.

Additional equipment and services: € 0.00

Total price: € 180.91

Description

TRIHO — a module for bringing in of trihogramma

The module is compatible with all of the main types of pilotless platforms using autonavigation systems.

The system of universal holders allows to use the module without carrying in changes in the platform structure.

Data:

* payload: up to 150 g;
* control module operate frequency: 433 MHz;
* power: 3-6 S, 12-24 V;
* control range: up to 500 m;
* control sensors of preparation presence;
* 3 modes of operation;
* efficiency: up to 50 ha per flight (up to 4 take-offs per hour);
* spray quantity: 1;
* grasp width: 25-50 m.

<http://store.drone.ua/shop/suspensions/zenmuse-z15-5d-iii/>

Zenmuse Z15-5D III (HD)

€ 3,400.00

The high-tech suspension is specially designed for aerial survey. It has HD interface, so you can get a high-quality picture.

Assembling and testing

Installing (€ 90.91)

Additional equipment and services: € 0.00

Total price: € 3,400.00

Description

Servodrives module

Thanks to specially engineered servo-motors a suspension „Zenmuse Z15-5D III (HD)“ provides high accuracy and each of the modules is perfectly customized for using a camera „Canon 5D Mark III“. Control is greatly improved and decreased level of vibration provides additional stabilization.

GCU module

The suspension controller has a possibility to exchange data by CAN bus with the main flight controller, so it allows to work through stabilization more precisely.

Independent IMU module

Camera stabilization is impossible without analyzing position of the drone and real-time hair-trigger reaction. Just so „Zenmuse Z15-5D III (HD)“ has its own integrated inertial measurement unit (IMU) to collect precise information and command to engines with lightning speed.

Modes of control

Preinstalled control modes help you to widen creativeness providing the easiest control at that. Any of the 3 modes (orientation-locked control, non orientation-locked control and FPV mode) can be turned on and set straight in the air.

Additional information

|  |  |
| --- | --- |
| Specification | three-axis suspension |
|  | built-in IMU module |
|  | support of „A2“, „WooKong-M“ |
|  | use „Zenmuse“ technologies |
| Periphery | supported camera: „Canon EOS 5D Mark III“ |
|  | supported objective: „Canon EF 24 mm f/2.8 IS USM“ |
|  | input voltage: GCU 4S ~ 12S LiPo |
|  | demand to control: at least 4 free channels of receiver |
| Mechanics and electrotechnics | operate current — static current: 200 mA (@25 V) |
|  | -//- — dynamic current: 400 mA (@25 V) |
|  | Operating temperature: -10 ~ +50 °C |
|  | Weight: 1.53 kg (without camera) |
|  | Dimensions: 281 mm x 242 mm x 222 mm |
|  | Weight of GCU: 64.2 mm x 34.1 mm x 19.5 mm |
| Functional | 3 modes of suspension control: orientation-locked control, non orientation-locked control and FPV mode |
|  | shutter control |
|  | HDMI-AV / HD module |
|  | support of S-Bus / PPM receivers |
|  | 360° panning function |
|  | automatic calibration function |

<http://store.drone.ua/shop/suspensions/zenmuse-h4-3d/>

Zenmuse H4-3D

€ 369.00

Modified version of „H3-3D“ three-axis suspension „DJI Zenmuse H4-3D“ had been designed counting on a brand new action-camera „GoPro 4“ and is compatible with multicopters and „DJI“ flight systems.

Modification

Only for „Phantom 2“

Standard (includesGCU module)

Camera

„GoPro 4 Black RGB“ (€ 482.73)

„GoPro 4 NDVI“ (€ 908.18)

Assembling and testing

Installing (€ 45.45)

Additional equipment and services: € 0.00

Total price: € 369.00

Description

High-quality stabilization and efficiency

The suspension had been designed according to particular technology of three-axis stabilization that doesn’t have any analog. The suspension had been constructed and balanced specially for „GoPro HERO4 Black“ cameras. As ever the suspension construction is easy to install and perfect to both FPV system flying and videomapping.

In „Zenmuse H4-3D“ the same newest algorithms, high-accuracy sensors and collector-free engines are used as well as in other „Zenmuse“ suspensions. Advanced manufacturing sciences of „Zenmuse“ provide incredible stability.

Advanced manufacturing sciences of „Zenmuse“ provide incredible stability.

Independent IMU module

Camera stabilization is impossible without analyzing position of the drone and real-time hair-trigger reaction. Just so „Zenmuse H4-3D“ has its own integrated inertial measurement unit (IMU) to collect precise information and command to engines with lightning speed.

Optional GCU module

On default this module is reckoned on using with a „DJI Phantom 2“ multicopter jointly and doesn’t include GCU module for using with other flight controllers. If you want to use the “H4-3D“ with other „DJI“ airy platforms and flights controllers you need to purchase the GCU module.

Additional information

|  |  |
| --- | --- |
| Characteristics | compatibility with “GoPro HERO4 Black“ camerascapability: A2, WKM, NAZA-M, AZA-M V2, Phantom 2input voltage: GCU 3S~6S LiPo (12~26V)operating current: static 400 mA (@12V), dynamic 600 mA (@12V)temperature operating range: -10…+50° Cmaterial: aluminium bodyweight: 168 g (without a camera)dimensions: 97 mm x 95 mm x 73 mmweight of GCU: 22 gdimensions of GCU: 42 mm x 32 mm x 9,3 mm |

<http://store.drone.ua/shop/suspensions/zenmuse-h3-3d/>

Zenmuse H3-3D

€ 299.00

A three-axis suspension „DJI Zenmuse H3-3D“ had been designed counting on cameras „GoPro HERO3“, „GoPro HERO3+ Silver“, „GoPro HERO3+ Black“ and is compatible with multicopters and „DJI“ flight systems.

Modification

Only for „Phantom 2“

Standard (includesGCU module)

Assembling and testing

Installing (€ 45.45)

Additional equipment and services: € 0.00

Total price: € 299.00

Description

High-quality stabilization and efficiency

The suspension had been designed according to particular technology of three-axis stabilization that doesn’t have any analog. The suspension had been constructed and balanced specially for „GoPro HERO3“, „GoPro HERO3+ Silver“, „GoPro HERO3+ Black“ cameras. As ever the suspension construction is easy to install and perfect to both FPV system flying and videomapping.

In „Zenmuse H3-3D“ the same newest algorithms, high-accuracy sensors and collector-free engines are used as well as in other „Zenmuse“ suspensions.

Advanced manufacturing sciences of „Zenmuse“ provide incredible stability.

Independent IMU module

Camera stabilization is impossible without analyzing position of the drone and real-time hair-trigger reaction. Just so „Zenmuse H3-3D“ has its own integrated inertial measurement unit (IMU) to collect precise information and command to engines with lightning speed.

Positioning accuracy

Precise sensors and rapid collector-free engines provide absolute in-flight positioning.

Additional information

|  |  |
| --- | --- |
| Characteristics | compatibility with “GoPro HERO3“,“GoPro HERO3+ Silver“ and “GoPro HERO3+ Black“ camerascapability: A2, WKM, NAZA-M, AZA-M V2, Phantom 2input voltage: GCU 3S~6S LiPo (12~26V)operating current: static 400 mA (@12V), dynamic 600 mA (@12V)temperature operating range: -10…+50° Cmaterial: aluminium bodyweight: 168 g (without a camera)dimensions: 97 mm x 95 mm x 73 mmweight of GCU: 22 gdimensions of GCU: 42 mm x 32 mm x 9,3 mm |

Sensors

<http://store.drone.ua/shop/sensors/gopro-4-black-nir/>

GoPro HERO4 NDVI

€ 908.18

The „GoPro HERO4 Black“ camera has a set customized objective and NIR filter.

Additional equipment and services: € 0.00

Total price: € 908.18

Description

The camera is equipped with modified objective (without distortion), also in the camera a NIR filter is installed, so it allows to use the camera for sown areas vegetation indexes estimation.

Additional information

|  |  |
| --- | --- |
| Camera | „GoPro HERO4 Black“accumulator batterycharge cable |
| Objective | focal distance: 4.14 mm (22.98 mm in equivalent 35 mm)stop: f/3.0resolution: HFOV 5 Mpaddition: without distortion |
| Memory | SD Card 32 Gb |
| Software | open source software for vegetation indexes estimation |

<http://store.drone.ua/shop/sensors/gopro-4-black/>

GoPro HERO4 Black RGB

€ 482.73

„GoPro HERO4 Black“ can be regarded as the most progressive „GoPro“ camera by right. This camera allows to record unbelievable high-quality videos: 4K / 30 fps 2.7K / 50 fps and high frame rate 1080p / 120 fps.

Additional equipment and services: € 0.00

Total price: € 482.73

Description

„GoPro HERO4 Black“ can be regarded as the most progressive „GoPro“ camera by right. This camera allows to record unbelievable high-quality videos: 4K / 30 fps 2.7K / 50 fps and high frame rate 1080p / 120 fps. Now new „Protune™“ parameters for photo and video modes allow to control color, sharpness, ISO and exposure. The camera is able to photo 12 Mp / 30 fps. A camera box saves the camera up to 40 m depth. So “GoPro HERO4 Black“ is the best solution for extreme shoot.

The „HiLight Tag“ new function allows to mark key moments during recording, so you can find it quickly and play. The „Night Photo“ and „Night Lapse“ modes had been specially designed for night survey that are used in low lighting conditions. The „SuperView™“ video mode fixes the most catching wide angle in a still. The „Low Light™“ mode allows the camera to change picture frequency intellectually, adapting to different lighting. The „QuikCapture“ mode allows to turn on the camera and start to one-touch record automatically. A simplified menu makes navigation settings more intuitive.

Additional information

|  |  |
| --- | --- |
| Producer | „GoPro“ |
| Resolution | 3 840 x 2 160, 2 704 x 1 520, 1 920 x 1 080, 1 280 x 720 |
| Microphone | yes |
| Sensor | 12 Mp |
| Look angle | 170° |
| Interfaces | USB 2.0 |
| Power supply | 1 160 mA·h Li-Ion accumulator battery, charging by USB |
| Display | no |

<http://store.drone.ua/shop/sensors/canon-s120-nirrgb/>

Canon S100 NDVI UAV-Kit

€ 634.55

This is a camera sensor with an integrated NIR filter and resident software.

Additional equipment and services: € 0.00

Total price: € 634.55

Description

A „Canon S100 NDVI “ camera with a set resident software and modules for integration to pilotless platform. The camera is equipped with NIR filter, so it allows to use the camera for sown areas vegetation indexes estimation.

Additional information

|  |  |
| --- | --- |
| Characteristics | camera matrix: 1/1.7’’, 12.1 Mp, CMOSfocal distance: 5.2-26.0 mm (24-120 mm, equivalent 35 mm)diaphragm opening: F 2.0-F 5.9image format: JPEG Exif 2.3, RAWweight: 198 g |
| Memory | SD Card 32 Gb |
| Fastening | vibration-isolation fastening made with a 3D-printer |
| Software | open source software for vegetation indexes estimation |
| In addition | resident software |
|  | accumulator battery |
|  | charger |
|  | automatic pilot connection cable |

<http://store.drone.ua/shop/sensors/canon-s100-nirrgb/>

Canon S100 RGB UAV-Kit

€ 409.09

This is a camera with a set resident software.

Additional equipment and services: € 0.00

Total price: € 409.09

Description

The „Canon S100 RGB“ camera has a set resident software and modules for integration to a pilotless platform.

Additional information

|  |  |
| --- | --- |
| Characteristics | camera matrix: 1/1.7’’, 12.1 Mp, CMOSfocal distance: 5.2-26.0 mm (24-120 mm, equivalent 35 mm)diaphragm opening: F 2.0-F 5.9image format: JPEG Exif 2.3, RAWweight: 198 g |
| Memory | SD Card 32 Gb |
| Fastening | vibration-isolation fastening made with a 3D-printer |
| In addition | resident software |
|  | accumulator battery |
|  | charger |
|  | automatic pilot connection cable |

Additional equipment

Charging stations

<http://store.drone.ua/shop/chargingstations/zaryadnoe-ustrojstvo-hyperion-eos-0720i-sduo3-2x7s-500-500w-20a-usb/>

Hyperion EOS 0720I SDUO3 1-7S 2x500W 20A

€ 318.18

This charger is intended for professional use and had been designed for independent charging of two different batteries!

Additional equipment and services: € 0.00

Total price: € 318.18

Description

The main difference of this charger between other models in the series is a twin power supply and a paired panel of selecting operation mode with batteries. As a matter of fact these are two independent chargers in one case with a possibility to synchronization as it works with NET function of 0730i and 1420i.

The powerful, computerized, professional and universal charger is right for use in both home conditions and the field. Power connection is realized by «banana» plugs, and it needs a powerful external power supply. As alternative you can connect the charger to an external battery (e.g. automobile accumulators) with bundled alligator clips. Input voltage range is wide enough: from 10,5 up to 29V. But maximal efficiency exhibits with more than 24V voltage. The device is equipped with electrical protection to prevent some troubles after accidental polarity reversal of input supply. Also it can turn off a supply accumulator to avoid discharge at the proper time, extending accumulator lifetime and protecting it from irretrievable obsolescence.

A deep-laid suite of the charge allows to:

* charge/discharge;
* balance;
* training;
* charge to fixed % or V all of the known types of accumulator batteries;
* and a built-in balancer equalizes voltage in lithium batteries jars accurate within 0.01V effectively; and a set of bundled adapters and cables makes connection fast and safe.

Full connection to a computer by USB-port with „EOS CONTROL & DATA SUITE“ allows to:

* control of device modes completely;
* update device software;
* edit settings;
* save and restore it;
* analyze charging with graphics;
* store service statistics of each battery.

All of this helps to reject dying battery at the right time, not admitting spontaneous ignition after properties loss or transient discharge in a working model.

As option this device allows to connect a temperature sensor, so it stops charging in time, if a battery heats up to critical temperature during high-speed charging mode.

Easy controlling by some buttons is successfully amplified with informational LCD panel, displaying setting modes and current measures of accumulator batteries charging/training. Also a memory of modes deliver a user from necessity always to adjust the device changing batteries.

Additional information

|  |  |
| --- | --- |
| Compatibility | Li-Ion / Li-Po / Li-Fe 1-7S |
|  | Ni-Mh / Ni-Cd 1-16 cells |
|  | Pb 1-12 cells |
| Charging current (max) | 20A per output |
| Discharging curent (max) | 5A |
| Input supply | 10.5-29V DC (external source) |
| Maximal performance | 24V+, 700W |
| Maximal charge power | 550W |
| Function | charge / discharge / training / accumulators storing |
| Mode indication | LCD-display |
| Material of the case | metal |
| Output connection | adapters-companders of JST, XH, HP and PQ ports |
| Packaging | charger |
|  | balancing connecting cable „HP-EOSLBA-7UCBL“ for connecting of a balancer plate (2 items) |
|  | a balancer plate “HP-EOSLBA-7UXH-B“ (2 items) |
|  | a balancer plate “HP-EOSLBA-7U-B“ (2 items) |
|  | a pair of strong alligator clips for power supply connection |
|  | two pairs of „bananas“ with cables for independent making of adapter of power supply connection to charging accumulator |

<http://store.drone.ua/shop/chargingstations/zaryadnoe-ustrojstvo-hyperion-eos-0730i-7s-550w-30a-usb/>

Hyperion EOS 0730I 7S 550W 30A USB

€ 152.73

It is a professional charger and had been especially developed for accelerated charging your accumulator batteries!

Additional equipment and services: € 0.00

Total price: € 152.73

Description

The main difference of this charger between other models in the series is a boosted power supply for charging high capacity batteries in the field in a short space of time.\* So , e.g. a 5 000 mA·h battery can be charged within 20 minutes!

\* — a battery must support accelerated charging

The powerful, computerized, professional and universal charger is right for use in both home conditions and the field. Power connection is realized by «banana» plugs, and it needs a powerful external power supply. As alternative you can connect the charger to an external battery (e.g. automobile accumulators) with bundled alligator clips. Input voltage range is wide enough: from 10,5 up to 29V. But maximal efficiency exhibits with more than 24V voltage. The device is equipped with electrical protection to prevent some troubles after accidental polarity reversal of input supply. Also it can turn off a supply accumulator to avoid discharge at the proper time, extending accumulator lifetime and protecting it from irretrievable obsolescence.

A deep-laid suite of the charge allows to:

* charge/discharge;
* balance;
* training;
* charge to fixed % or V all of the known types of accumulator batteries;
* and a built-in balancer equalizes voltage in lithium batteries jars accurate within 0.01V effectively; and a set of bundled adapters and cables makes connection fast and safe.

A built-in NET terminal allows to double quantity of charging Li-Ion accumulators jars because of synchronization with the same charger.

Full connection to a computer by USB-port with „EOS CONTROL & DATA SUITE“ allows to:

* control of device modes completely;
* update device software;
* edit settings;
* save and restore it;
* analyze charging with graphics;
* store service statistics of each battery.

All of this helps to reject dying battery at the right time, not admitting spontaneous ignition after properties loss or transient discharge in a working model.

As option this device allows to connect a temperature sensor, so it stops charging in time, if a battery heats up to critical temperature during high-speed charging mode.

Easy controlling by some buttons is successfully amplified with informational LCD panel, displaying setting modes and current measures of accumulator batteries charging/training. Also a memory of modes deliver a user from necessity always to adjust the device changing batteries.

Additional information

|  |  |
| --- | --- |
| Compatibility | Li-Ion / Li-Po / Li-Fe 1-7S |
|  | Ni-Mh / Ni-Cd 1-16 cells |
|  | Pb 1-12 cells |
| Charging current (max) | 30A |
| Discharging curent (max) | 5A |
| Input supply | 10.5-29V DC (external source) |
| Maximal performance | 24V+, 700W |
| Maximal charge power | 550W |
| Function | charge / discharge / training / accumulators storing |
| Mode indication | LCD-display |
| Material of the case | metal |
| Output connection | adapters-companders of JST, XH, HP and PQ ports |
| Packaging | charger |
|  | balancing connecting cable „HP-EOSLBA-7UCBL“ for connecting of a balancer plate (2 items) |
|  | a balancer plate “HP-EOSLBA-7UXH-B“ (2 items) |
|  | a balancer plate “HP-EOSLBA-7U-B“ (2 items) |
|  | a pair of strong alligator clips for power supply connection |
|  | two pairs of „bananas“ with cables for independent making of adapter of power supply connection to charging accumulator |

<http://store.drone.ua/shop/chargingstations/zaryadnoe-ustrojstvo-imax-b6-c-blokom-pitaniya/>

iMAX B6 V2 AC/DC

€ 63.64

This is a universal microprocessor-based charger with a built-in LiPo balancing function and a power supply.

Additional equipment and services: € 0.00

Total price: € 63.64

Description

The „SKYRC B6 V2“ is an updated model of well-known „IMAX B6“. In comparison with B6 this device operates more precisely and stable, also it has new functions. The charging and discharge currents are increased, defects are corrected, and the main thing is a valuable connection to a PC using a separate micro USB port. Practically is the same iMAX B6 Mini with a built-in power supply.

* It can charge and discharge all of being as of today types of accumulators.
* It allows to use accumulators qualitatively and safely, so the process of charging is reflected on an LCD.
* It works with both 10-18V DC (e.g. automobile accumulator and electricity power supply) and AC sources.

Additional information

|  |  |
| --- | --- |
| Compatibility | LiIon / LiPo / LiFe: 1-6S |
|  | NiCd / NiMH: 1-15 Cells |
|  | Pb: 2-20V |
| Charging current | 0.1-6.0A |
| Discharging current | 0.1-2.0A |
| Input supply | 11.0-18.0V |
| Maximal charge power | 50W |
| Material of the case | metall |
| Packaging | charger |
|  | connectors |
|  | user’s guide |
| Notice | A thermal sensor and a set for PC connection isn’t included in the packaging. |

<http://store.drone.ua/shop/chargingstations/zaryadnoe-ustrojstvo-s-balansirom-dlya-batarej-phantom-2/>

„Phantom 2 / 2V / 2V+“ charger

€ 37.45

This is a charger that have been specially made for accumulator batteries „DJI Phantom Intelligent Flight Battery“.

Additional equipment and services: € 0.00

Total price: € 37.45

Description

The charger is intended for charging of „DJI” multicopters accumulator batteries. This is an additional charger, so you can charge one more accumulator at the same time.

Additional information

|  |  |
| --- | --- |
| Compatibility | „Phantom 2“ |
|  | „Phantom 2 Vision“ |
|  | „Phantom 2 Vision+“ |
| Packaging | charger |
|  | adapter kit for charging in different countries |

<http://store.drone.ua/shop/chargingstations/p2-avtomobil-noe-zaryadnoe-ustrojstvo/>

Automobile charger for „DJI Phantom 2“

€ 101.82

This is a charger that have been specially made for accumulator batteries „DJI Phantom Intelligent Flight Battery“.

Additional equipment and services: € 0.00

Total price: € 101.82

Description

This automobile charger can charge accumulators of your „Phatom 2“, „Phantom 2 Vision“ or „Phantom 2 Vision+“ from an automobile cigar lighter or a power pack with the cigar lighter plughole. It is handy for using in the field conditions.

Additional information

|  |  |
| --- | --- |
| Compatibility | „Phantom 2“ |
|  | „Phantom 2 Vision“ |
|  | „Phantom 2 Vision+“ |

<http://store.drone.ua/shop/chargingstations/preobrazovatel-napryazheniya-chargery-ac-dc-24-5v-50a-110v-240v-1200w/>

„Chargery AC-DC 24.5V 50A 110-240V 1200W“ power unit

€ 254.55

This is a power pack with one of the most high conversion rate.

Additional equipment and services: € 0.00

Total price: € 254.55

Description

In spite of its compact dimensions the power supply is a powerful enough power unit (output power 600W with input voltage 265V). The „Chargery“ power supplies has one of the highest conversion rate in the market.

This programmable impact power pack have been specially developed for using with „HP-EOS 720i Super Duo3“ charger.

Additional information

|  |  |
| --- | --- |
| Characteristics | Device type: power unit |
|  | Power: 1200W |
|  | Input voltage: 90-265V AC, 50/60 Hz |
|  | Output voltage: 11.5-24.5V |
|  | Output connection: 3 connectors |
|  | Output current: 55A |
|  | Destination: charger power supply |
|  | Mode indication: LCD |
|  | Weight: 2.4 kg |
|  | Material of case: metal |
|  | Dimensions: 286 mm x 145 mm x 68 mm |

<http://store.drone.ua/shop/chargingstations/preobrazovatel-napryazheniya-skyrc-efuel-30a-12-18v/>

„SkyRC eFuel 30A 12-18V“ power unit

€ 131.82

„SkyRC eFuel 30A“ — this is a powerful supply for chargers and other equipment operating with 12-18V DC up to 30A.

Additional equipment and services: € 0.00

Total price: € 131.82

Description

The „SkyRC eFuel“ power unit produces stabilized voltage with short circuit, overload and overheating protection. The intelligent cooling system provides efficiency even at full power of 540W, at the same time decreasing speed and noise level when load is light. The LCD displays continuously adjustable consumption current and voltage of connected devices.

An additional advantage of construction is a possibility to connect 2 chargers at once (2 separate output) and 2 USB ports for charging USB devices of up to 1A current, allowing us to use the device at full power.

Additional information

|  |  |
| --- | --- |
| Specifics | 2 outputs up to 30A DC |
|  | adjustable output voltage 12-18V |
|  | LCD indicating current and voltage |
|  | 2 ports for charging USB devices up to 1A |
|  | Intelligent cooling system |
|  | overheating, overload and short circuit protection |
| Characteristics | Input voltage: 100-240V AC, 50/60 Hz |
|  | Output voltage: 12-18V DC ±0.5V |
|  | Output current: 30A ±1A |
|  | Overload protection: ≤31A, 500 ms |
|  | Input safety device: 10A |
|  | Weight: 1,62 kg |
|  | Dimensions: 218 mm x 139 mm x 59.5 mm |
|  | Work temperature: 0-40° C |
|  | Efficiency: 89% |

<http://store.drone.ua/shop/chargingstations/preobrazovatel-napryazheniya-skyrc-efuel-20a/>

„SkyRC eFuel 20A 8-15V“ power unit

€ 101.82

„SkyRC eFuel 20A“ — this is a powerful supply for chargers and other equipment operating with 8-15V DC up to 20A.

Additional equipment and services: € 0.00

Total price: € 101.82

Description

The „SkyRC eFuel“ power unit produces stabilized voltage with overload, short circuit and overheating protection. The intelligent cooling system provides efficiency even at full power of 300W, at the same time decreasing speed and noise level when load is light. The LCD displays continuously adjustable consumption current and voltage of connected devices.

An additional advantage of construction is a possibility to connect 2 chargers at once (2 separate output) and 2 USB ports for charging USB devices of up to 1A current, allowing us to use the device at full power.

Additional information

|  |  |
| --- | --- |
| Characteristics | Input voltage: 100-240V AC, 50/60 Hz |
|  | Output voltage: 8-15V |
|  | Maximal output current: 20A |
|  | Maximal output power: 300W |
|  | Weight: 1,21 kg |
|  | Fine adjustment of output voltage |
|  | 2 outputs |
|  | 2 USB outputs up to 1A |
| Specifics | 2 outputs up to 20A DC |
|  | adjustable output voltage 8-15V |
|  | LCD indicating current and voltage |
|  | 2 ports for charging USB devices up to 1A |
|  | Intelligent cooling system |
|  | overheating, overload and short circuit protection |

Control equipment

<http://store.drone.ua/shop/radiocontrol/dji-5-8ghz-remote-controller-new/>

„DJI 5.8 GHz Remote Controller“

€ 109.00

This is an improved remote controller by „DJI“ that is equipped with a built-in LiPo accumulator and a handy wheel to control the camera suspension axis.

Additional equipment and services: € 0.00

Total price: € 109.00

Description

New functional capabilities

The camera control shaft: a camera rises endwise, if the control wheel is displaced, and a camera goes down, if the control wheel is displaced to the left. A camera will be positioned on the same location it have been left.

Built-in LiPo accumulator

The controller is equipped with lithium-pol cell (LiPo) up to 2000 mA·h. You can trace remaining charge of a battery with diode indicators (LED) on the controller frontpanel.

Remote controller boost charge

Connection to the controller hub is exercised with the help of a microUSB cable. Light-emitting diodes (LED) will have red indication during charging; and they are green when charging is completed.

Trainer Port

Connection of controller to a PC by way of Trainer Port allows to use it as a simulator for honing flight skills. Also the port allows the „DJI Lightbridge“ transmitter to connect.

<http://store.drone.ua/shop/radiocontrol/dji-phantom-remote-control/>

„DJI 2.4 GHz Remote Controller“

€ 109.00

This is an improved remote controller by „DJI“ that is equipped with a built-in LiPo accumulator and a handy wheel to control the camera suspension axis.

Additional equipment and services: € 0.00

Total price: € 109.00

Description

New functional capabilities

The camera control shaft: a camera rises endwise, if the control wheel is displaced, and a camera goes down, if the control wheel is displaced to the left. A camera will be positioned on the same location it have been left.

Built-in LiPo accumulator

The controller is equipped with lithium-pol cell (LiPo) up to 2000 mA·h. You can trace remaining charge of a battery with diode indicators (LED) on the controller frontpanel.

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Trainer Port

Connection of controller to a PC by way of Trainer Port allows to use it as a simulator for honing flight skills. Also the port allows the „DJI Lightbridge“ transmitter to connect.

<http://store.drone.ua/shop/radiocontrol/turnigy-9xr/>

„Turnigy 9XR (Mode 2)“

€ 86.89

This is a 9-channel radio control equipment.

Radio module

Set transmitter + receiver „FrSKY“ (€ 79.09)

Case

Safety case „Turnigy“ (€ 18.17)

Accumulator battery

accumulator battery LiPo 2200 mA·h (€ 27.26)

Additional equipment and services: € 0.00

Total price: € 86.89

Description

„Turnigy 9XR“ functionality:

* 8 analog (PPM) or 9 digital channels (PCM);
* smooth motion of control sticks at the expense of set slider bearings;
* adjustable length of control sticks;
* digital trimmer for basic plane;
* memory for 16 different radio-controlled models;
* redirecting of toggles in electronic menu;
* wide possibilities of channels mixing;
* construction of graphic curve of double consumption and exponent on the display;
* sub-trimmers and travel adjustment;
* flaps and differentials;
* keeping of rev increasing;
* possibility to control model aero planes, helicopters and gliders;
* programming conventionally starting from type of controllable model;
* support of „Mode1“, „Mode2“, „Mode3“ and „Mode4“ of controls sticks layouts;
* LCD with built-in highlighting (128x64);
* built-in port for connection to other transmitter („Trainer-Student“ mode) or simulator of „JR“ or „Futaba“ standard;
* controlling by means of analog and digital channels;
* support of plug-in transmitter modules of JR“ standard („Orx Dsm2“, „Orx Open LRS 433 MHz“ etc.);
* programmable timer;
* warning of low battery charge and buzzer;
* support of 3-jar LiPo accumulators (it is recommended);
* preset firmware „9XR Firmware“;
* interface „AVR ISP“;
* inside aerial 2.4 GHz.

Attention! The control equipment is supplied without a radio module, an accumulator and a case!

Additional information

|  |  |
| --- | --- |
| Characteristics | quantity of channels: 8 analog (PPM) or 9 digital (PCM) |
|  | display: 128x64 (LCD with highlighting) |
|  | memory: 16 models |
|  | layout of control sticks: 1, 2, 3 and 4 modes |
|  | Weight: 723 g (without batteries and radio modules) |
| Packaging | “Turnigy 9XR“ (Mode 2, gas on the left) |
|  | user’s guide |

<http://store.drone.ua/shop/radiocontrol/spectrum-dx8/>

„Spectrum DX8“

€ 423.64

The „Spectrum DX8“ is a 8-channel control equipment being right for any drone model.

Additional equipment and services: € 0.00

Total price: € 423.64

Description

Specifics of control equipment:

* 11 ms high-speed response with resolution 2 048;
* large display: 128x64;
* writing of user name;
* simple reset of all settings;
* embedded memory of 30 models;
* electronic limiters prevent overload of cyclical servo-motors;
* SD memory card for storing model settings;
* programmable flaps system with setting of delay and elevator compensation;
* active regulators of sensitivity gyroscope;
* sound and vibro isolation;
* 4 types of swash plate;
* „SimpleScroll“™ rolling wheel provides easy navigation in equipment menu;
* mechanic adjusting of control joystick harshness;
* set by user switches (tumblers) functions;
* programmable function of gas cutoff;
* programmable timer that is launched during engine start.

Additional information

|  |  |
| --- | --- |
| Characteristics | channels: 8 |
|  | modulation: DSM2 / DSMX |
|  | operating frequency: 2.4 GHz |
|  | memory of models: 30 (without additional memory card) |
| Functions for airplanes | 9 types of wing |
|  | 5 types of tail assembly |
|  | flaperon settings |
|  | five-point graphic gas curve |
|  | aileron rudder, flaperon elevator and 6 free modes |
| Functions for helicopters | five-point graphic gas curve and spacing |
|  | tutor settings |
|  | active trimmers of tutor and gyroscope |
|  | 6 types of swash washer |
|  | „E-Ring“ function that prevents overload of swash washer servo-motors |
| Function for gliders | 4 flight modes |
|  | 4 wing types |
|  | 3 tail assembly types |
|  | flaperon elevator, aileron-flaperon, aileron-rudder, elevator-flaperon and 2 free programmable modes |
|  | independent ailerons trimmers |
| Packaging | transmitter „DX8“ |
|  | receiver „Spectrum AR8000 DSMX“ |
|  | SD memory card |
|  | charger |
|  | LiIon 2000 mA·h 7.4V accumulator |
|  | small strap |
|  | user’s guide |

<http://store.drone.ua/shop/radiocontrol/futaba-14sg/>

„Futaba 14SG“

€ 627.27

„Futaba 14SG“ — is a system of radio control of excellent behavior, supporting all of the protocols that are being used by the „Futaba“ transmitters. It provides 14 free to adjust channels, support of telemetry, a new „FASSTest“ closed-loop protocol and some.

Additional equipment and services: € 0.00

Total price: € 627.27

Description

Advantages of equipment

By right the „Futaba“ is a leader in producing of control equipment of professional and amateur level, holding the most stable and distant radiolink among all of the model devices. Just because of this RC sportsmen and pilots like it. Without any booster or LRS system the model control distance can reach 3-5 km! Owing to a particular safety „FASSTest“ protocol even the very powerful signal from video transmitter practically doesn’t influence on distance, including frequency 1.2 GHz that gives certain problems to many other equipment 2.4 GHz because of the interference effect.

The 14 control channels allows to realize all of the possible functions of pilotage, camera control and in-flight indication.

The „Futaba 14SG“ favorably stands out for build quality, comfort and rich set of settings, ergonomics, interesting design, and display informativeness and clear interface supplement the picture. The ergonomics of „14SG“ had got better in comparison with the last „8FG“ model. The menu includes Russian language.

The main difference of „14SG“ as compared to „8FG“ is a possibility to transmit and receive data of telemetry. Set the „Futaba“ telemetry sensors (are purchased separately) to control flight data, get notification signals during a flight etc.

Additional information

|  |  |
| --- | --- |
| Specifics | The „FASSTest“ protocol (retroactive function) allows to fly even in conditions of noisy airwaves, keeping ideally precise control. Rudder jam is excluded, and flight becomes safe. |
|  | support of „FASST“ and „S-FHSS“ protocols |
|  | 2 discrete and 12 proportional channels |
|  | Support of „S.Bus“ and „S.Bus 2“: consecutive connection of servo drives and other execution units with a general cable. Connection of each servo motor to its channels. |
|  | slot for SD memory card |
|  | built-in programmer CIU 2 |
|  | built-in programmer for „S.Bus“ devices |
| Functions for airplanes | 7 types of wing |
|  | 3 types of tail assembly |
|  | setting of flaps |
|  | differential of ailerons |
|  | 14 standard settings of mixers |
|  | 5 free mixers |
|  | mixer of gas-quality blend |
|  | spacing and gas curves of 5 points |
|  | emergency engine damping |
|  | support of gyroscopes with remote adjusting of sensitiveness |
| Functions for helicopters | 6 types of swash washer |
|  | spacing-gas curves of 5 points |
|  | 5 mixers |
|  | spacing-tail rotor mixer for holding precision increasing of tail boom |
|  | mixer of gas-quality blend |
|  | Throttle Hold |
|  | support of systems of 3-axes stabilization |
|  | support of tutor (700-3500 rpm) |
|  | adjusting of ceiling |
|  | handy menu of setting swash plate |
|  | emergency engine damping |
|  | virtual ring for control handles |
| Functions for gliders | 6 types of swash washer |
|  | 11 types of wing |
|  | 3 types of tail assembly |
|  | 2 types of rudder |
|  | setting menu of flaps |
|  | differential of ailerons |
|  | 10 special glider mixers |
|  | 5 free mixers |
|  | „Butterfly“ mixer for flaps and ailerons |
|  | “Butterfly“ mixer-elevator |
| Additional functional | handles on bearings |
|  | warning signals (sound + vibration), different settings |
|  | memory of 30 models |
|  | adjustment of timer for each model |
|  | contrast and bright display |
|  | ergonomic case of soft plastic |
|  | possibility to update software |
| Packaging | 14-channel „Futaba T14SG“ transmitter |
|  | 8+-channel „R7008SB“ receiver |
|  | transmitter NiMh accumulator |
|  | firm small „Futaba“ strap |
|  | screwdriver |
|  | user’s guide |

FPV systems

<http://store.drone.ua/shop/fpv/monitor-black-pearl-7-hd-screen-fpv-diversity-rx-5-8ghz/>

„Black Pearl 7’’ HD Screen FPV Diversity Rx 5.8 GHz“ monitor

€ 209.08

Additional equipment and services: € 0.00

Total price: € 209.08

Additional information

|  |  |
| --- | --- |
| Characteristics | screen size: 7’’ |
|  | screen resolution: 1024x768 HD |
|  | contrast: 700:1 |
|  | brightness: 300 cd/m2 |
|  | operating voltage: 7-28V / 2A |
|  | operating temperature: -10-+65° C |
|  | aerial: RP-SMA |
|  | TV: NTSC / PAL |
|  | interface: 2xAV Out, AV In, HDMI In |
|  | receiver: 5.8 GHz |
|  | quantity of channels: 32 |
|  | accumulator: 1000 mA·h LiPo 11.1V |
|  | dimensions: 183 mm x 126 mm x 19.5 mm |
|  | weight: 350 g |
| Packaging | „Black Pearl 7’’ HD“ monitor |
|  | 2 aerials |
|  | 2 AV cables |
|  | 2 power cables |
|  | sun roof |

<http://store.drone.ua/shop/fpv/monitor-rx-lcd-5802/>

„RX-LCD 5802“ monitor

€ 166.91

Additional equipment and services: € 0.00

Total price: € 166.91

Description

A 7-inch „RX-LCD5802“ monitor with a receiver for FPV flights is the most rational solution for FPV flights. This isn’t just a monitor, this is a monitor with 2 receivers 5.8 GHz and „Diversity“ technology with a built-in accumulator. The monitor has a widespread for FPV system screen size 7’’ and resolution 800x480.

High quality of received picture is provided by „Diversity“ technology — automatic switching to a receiver that get more quality signal at the moment. Also you can get video signal from each receiver individually. An important feature of the FPV „RX-LCD5802“ monitor is the device doesn’t turn into the „Blue Screen of Death“, when a signal starts to slacken. It allows to fly on longer distances, not losing a picture. It should be noted that the „RX-LCD5802“ monitor can be powered by external 12V source if an accumulator is discharged.

The packaging of monitor includes a sun roof, that can be very useful for flights in sunny weather. With video outputs you can connect second monitor or video eyeglasses to the first monitor.

Additional information

|  |  |
| --- | --- |
| Characteristics | dimensions: 180 mm x 120 mm x 23 mm |
|  | weight: 420 g |
|  | screen size: 7’’ |
|  | screen resolution: 800x480 |
|  | brightness: 450 cd/m2 |
|  | operating voltage: 6-28V |
|  | power consumption: 650 mA @ 12V |
|  | receiver: 2x5.8 GHz |
|  | quantity of channels: 32 |
|  | built-in accumulator: 2500 mA·h LiPo |
| Packaging | „RX-LCD5802“ monitor with built-in receiver and accumulator |
|  | 2 boosted aerials |
|  | 2 AV cables |
|  | power cable |

<http://store.drone.ua/shop/fpv/monitor/>

„RC 800 DVR“ monitor

€ 177.27

This is an FPV monitor with a possibility to record a video.

Additional equipment and services: € 0.00

Total price: € 177.27

Description

A feature of the monitor is a video recorder allowing to save a video with data of telemetry jointly received from an on-board camera to a memory card. A built-in DVR keeps a cycle MP4 record to a usual SD card. Also the monitor has an OSD function that displays technical data of the monitor on the screen: record time, memory capacity, monitor battery voltage, channel number and other information.

Additional information

|  |  |
| --- | --- |
| Characteristics | screen size: 7’’ |
|  | screen resolution: 800x480 |
|  | quantity of channels: 32 |
|  | recording format: MP4, mono audio channel |
|  | memory card: SD up to 32 Gb |
|  | receiver: 5.8 GHz, sensitivity -90 dBm |
|  | operating voltage: 7-28V |
|  | aerial: RPSMA |
|  | interface: USB 2.0 |
|  | weight: 270 g |
| Packaging | „RC 800 DVR“ monitor |
|  | sun roof |
|  | cable: USB, AV, DC, AAT, Data |

<http://store.drone.ua/shop/fpv/eeee/>

„DJI Lightbridge 2.4 GHz“

€ 1,199.00

This is a transmitter of video signal in Full HD format.

Assembling and testing

Installing of the module (€ 90.91)

Additional equipment and services: € 0.00

Total price: € 1,199.00

Description

Functionality of „DJI Lightbridge 2.4 GHz“

The video quality — Full HD 1 920 x 1 080 p on a frequency 2.4 GHz.

The low latency, the signal delay less than 80 ms.

The support of flight controllers by „DJI“: „A2“, „WooKong-M“, „Naza-M“, „Phatom 2“.

The built-in OSD allows to display flight data on the screen.

The most wide connection possibilities, the screening is available by way of USB 2.0 to a tablet with iOS and Android.

Transmitting 2 control channels from the pilot console (10 channels) and the operator control panel (6 channels).

It includes a data channel protection with encryption, it doesn’t allow to jam a signal and allows a few devices to work at the same time (up to 8 devices).

The transmission channel control and the automatic switching to a free channel with lesser noises.

The flight module allows to realize the signal transfer to a few land grounds simultaneously, at that the control is assigned to only one of the modules, that is also a control signal transmitter.

A built-in in land module battery of 4000 mA·h capacity allows to operate up to 4 hours. The charging can be realized with a separate charger and 3S-6S LiPo accumulators.

The charge support for smartphones or tablets through USB from a ground module.

The aluminium case and the shielding from a broad spectrum of the noise.

Additional information

|  |  |
| --- | --- |
| Characteristics | operating distance (in open territory): up to 1.7 km |
|  | operating frequency: 2.4 GHz |
|  | work temperature: -10-+50° C |
|  | dimensions: land module 125 mm x 89 mm x 20 mm, flight module 67 mm x 47 mm x 20 mm |
|  | weight: land module 360 g, flight module 70 g |
|  | material of case: aluminium alloy |
| Video input | AV: PAL25, NTSC30 |
|  | HDMI: 720p 50 fps, 720p 60 fps, 1080i 50 fps, 1080i 60 fps, 1080p 25 fps, 1080p 30 fps, 1080p 50 fps, 1080p 60 fps |
| Interface of land module | LED indicator, charge socket, USB 2.0, HDMI, connection interface of control channels (supports 2 controllers) |
| Interface of flight module | LE indicator, DBUS, HDMI, AV, port for suspended „DJI“ equipment, frequency switch |
| Power of land module | Direct current: 11-26V |
|  | Built-in accumulator: 4000 mA·h |
|  | Consumption: 6W (without USB consumers) / 8W (with USB consumers) |
| Power of flight module | Direct current: 11-26V |
|  | Consumption: 8W |

<http://store.drone.ua/shop/fpv/iosd-mark-ii/>

„DJI iOSD Mark II“

€ 195.00

The flight real-time data.

Assembling and testing

Installing of the module (€ 31.82)

Additional equipment and services: € 0.00

Total price: € 195.00

Description

Possibilities of „DJI iOSD Mark II“

The „DJI iOSD Mark II“ module allows to get real-time flight data (displays data on the screen or eyeglasses): the acceleration, the flight speed, the distance from a take-off point, the height, the satellites quantity, the accumulator voltage and other measures.

Additional functions of „DJI iOSD Mark II“:

* switching between 2 cameras (pilor-operator);
* video link escape by way of the console;
* recording of the flight log;
* the built-in „BEC 3S-6S“;
* adjusting of data mapping.

Additional information

|  |  |
| --- | --- |
| Characteristics | dimensions: 52 mm x 41 mm x 11 mm |
|  | weight: 56 g |
|  | work temperature: -20-+60° C |
|  | interface: PAL / NTSC |
|  | voltage: 3S-6S |
|  | consumption: 1.25W |
| Compatibility: | „A2“ |
|  | „WKM“ |
|  | „Naza-M“ |
|  | „Naza-M V2“ |

Radio equipment

<http://store.drone.ua/shop/radioequipment/dji-2-4ghz-bluetooth-datalink/>

„DJI 2.4 GHz Bluetooth Datalink“

€ 149.00

This is a system for remote control of a drone by way of a PC or a tablet.

Additional equipment and services: € 0.00

Total price: € 149.00

Description

Possibilities of „DJI 2.4 GHz Bluetooth Datalink“

A feature of the model is the lesser power consumption and the increased signal distance, Bluetooth module and a possibility to work with a PC or „Apple“ tablets („iPad 3“, „iPad 4“ and „iPad mini“). During a flight you can control set on the board devices.

A control program allows to exercise en-route flights and realize different commands and tasks. The drawing up of a flight route is constructed in „Google Earth“ maps on the real photos of the planet.

If an uncoupling is happen a drone will have done a flight mission and gone back to a take-off point, also you can stop a flight mission early and a drone will have returned to a take-off point automatically.

Additional information

|  |  |
| --- | --- |
| Characteristics | compatibility of „Datalink“: „A2“, „Ace One“, „WKM“, „Naza-M“, „Naza-M V2“ and „Phantom 2“ |
|  | compatibility of „iPad Ground Station“: „WKM“, „Naza-M“, „Naza-M V2“ and „Phantom 2“ |
|  | operating distance (in open territory): up to 1.1 km |
|  | operating frequency: 2.4 GHz |
|  | data transfer rate: 1 536 kb/s |
|  | work temperature: -10-+60° C |
| Land module | interface: USB type A, BMU and DC |
|  | aerial: SMA |
|  | voltage: 9.9-25.2V |
|  | dimensions: 73 mm x 47.8 mm x 17.1 mm |
|  | weight: 93 g |
| Flight module | interface: CAN-Bus |
|  | aerial: built-in |
|  | voltage: 6V |
|  | dimensions: 49.8 mm x 36.4 mm x 11.4 mm |
|  | weight: 32 g |

Flytrex

<http://store.drone.ua/shop/flytrex/flytrex-core/>

Flytrex Core

€ 59.09

The „Flytrex Core 2“ is an optimal solution for pilots and companies, that allows to control exercising of flight missions. A special block is integrated in the flight controller and accumulates flight data to a removable medium, remote servers at the end of shifts or with a specified periodicity. The module is integrated in all of the popular platforms.

Connection cables:

Flytrex Core Cable for „DJI Phantom“ and „DJI Naza“ (€ 8.17)

Flytrex Core Cable for „Blade 350QX“ (€ 8.17)

Flytrex Core Cable for „PixHawk“ and „Iris+“ (€ 8.17)

Flytrex Core Cable for „APM“ (€ 8.17)

Additional equipment and services: € 0.00

Total price: € 59.09

Description

Logs and analysis maintenance

Use the private account for storing, analysis and data accounting of all of the exploited platforms.

The platform and personal records

Use the control panel of your account for flight analysis and accumulation of a statistical information for each of the used platforms.

The accounting of personal records helps to analyze a batting average and the best outcomes. Share these flight outcomes with your friends.

All the pilots on common map

Found pilots that are fly nearby. The pilots activity is displayed on the map, so it allows to become a part of the global community of amateurs and professionals.

Additional information

|  |  |
| --- | --- |
| Dimensions | 2.0 cm x 2.6 cm |
| Weight | 3.5 g |
| Memory card | microSD |
| Internal memory | 16 mb |
| Support of controllers | „DJI Naza“ / „DJI Phantom“ (all versions), „Blade 350QX“, „APM 2.6“ and „PixHawk“ |

<http://store.drone.ua/shop/flytrex/flitrex-live/>

Flytrex Live 3G

€ 190.91

The „Flytrex Live 3G“ is a must have device for professional pilots.

This is the most advanced in the market flight recorder for using on the board of unmanned systems. The main functions of this module are a possibility of an automatic logging of flight data and control of an UAV location. The „Flytrex Live 3G“ uses GSM networks for real-time transmitting of information of the flight characteristics to a made account. The history of flight data is available at any moment both on <http://flytrex.com> and by way of mobile apps.

Connection cables:

Flytrex Live Can Bus Adapter for „DJI Phantom 2 Vision“ and „DJI Phantom 2 Vision+“ (€ 36.35)

Flytrex Live Can Bus Adapter for „DJI A2“, „WooKong-M“, „Naza 2“ and „DJI Phantom 2“ (€ 36.35)

Flytrex Live Cable for „DJI Phantom“ and „Naza“ (€ 8.17)

Flytrex Live Cable for „Blade 350QX“ (€ 8.17)

Flytrex Live Cable for „PixHawk“ and „Iris+“ (€ 8.17)

Flytrex Live Cable for „APM“ (€ 8.17)

Additional equipment and services: € 0.00

Total price: € 190.91

Description

Logs and analysis maintenance

Use the private account for storing, analysis and data accounting of all of the exploited platforms.

Handy visualization of flight missions and coordinates

All of the flight data and a platform location is in handy interfaces „Flytrex“.

The information of a current platform location or a last-known location is available on any Internet-connected device.

On-line translation of telemetry

Use the „Flytrex“ to control the efficiency of each separate team or platform.

Flight data can be translated not only to the „Flytrex“, but to social networks by way of both mobile devices and Web-services.

Additional information

|  |  |
| --- | --- |
| Dimensions | 4.5 cm x 4.8 cm x 1.1 cm |
| Weight | 31 g |
| Communication | 2G-3G GSM (microSIM with Internet connection) |
| Internal memory | 16 mb |
| Support of controllers | „DJI Naza“ / „DJI Phantom“, „DJI A2“, „WooKong“, „Blade 350QX“, „APM 2.6“ and „PixHawk“ |

Batteries

<http://store.drone.ua/shop/batteries/gens-ace-tattu-li-po-22-2v-22000-mah-6s1p-15c/>

„Tattu LiPo 22.2V 22000mA·h 6S1P 25C“

€ 636.45

An accumulator battery „Tattu 22000mA·h 22.2V“ suits for using with multirotor platforms („DJI S1000“, „DJI S1000+“ and others).

Accessories

Indicator of voltage (€ 21.36)

Additional equipment and services: € 0.00

Total price: € 636.45

Description

Quality and reliability

The accumulator batteries of „Tattu“ series meet the highest requirements of quality and reliability.

The series is specially developed for professional multirotor drones market, providing high efficiency and flight time increasing. A slogan of the vendor is „Less is more“. „More“ means increased flight time and joy, and „less“ refers to less weight and difficulties of operating.

The „Tattu“ batteries have passed the „UN 38.3“ test — the highest measure of quality of LiPo accumulator batteries.

Additional information

|  |  |
| --- | --- |
| Specifics | capacity: 22000 mA·h |
|  | voltage: 6S, 22.2V |
|  | maximum continuous coefficient of discharge: 25C |
|  | maximum peak coefficient of discharge: 50C |
|  | levels of charge: 1-3C (recommended), 5C (maximal) |
|  | balancing connector: JST-XH |
|  | discharge connector: we will set on your request |
|  | dimensions: 198 mm x 91 mm x 66 mm |
|  | weight: 2 509 g |

<http://store.drone.ua/shop/batteries/gens-ace-tattu-li-po-22-2v-16000-mah-6s1p-15c/>

„Tattu LiPo 22.2V 16000mA·h 6S1P 15C“

€ 356.36

An accumulator battery „Tattu 16000mA·h 22.2V“ suits for using with multirotor platforms of length 800-1000 („DJI S900“, „DJI S1000+“, „DJI S1000+“ and other professional platforms.

Accessories

Indicator of voltage (€ 21.36)

Additional equipment and services: € 0.00

Total price: € 356.36

Description

Quality and reliability

The accumulator batteries of „Tattu“ series meet the highest requirements of quality and reliability.

The series is specially developed for professional multirotor drones market, providing high efficiency and flight time increasing. A slogan of the vendor is „Less is more“. „More“ means increased flight time and joy, and „less“ refers to less weight and difficulties of operating.

The „Tattu“ batteries have passed the „UN 38.3“ test — the highest measure of quality of LiPo accumulator batteries.

Additional information

|  |  |
| --- | --- |
| Specifics | capacity: 16000 mA·h |
|  | voltage: 6S, 22.2V |
|  | maximum continuous coefficient of discharge: 15C |
|  | maximum peak coefficient of discharge: 30C |
|  | levels of charge: 1-3C (recommended), 5C (maximal) |
|  | balancing connector: JST-XH |
|  | discharge connector: we will set on your request |
|  | dimensions: 180 mm x 74 mm x 65 mm |
|  | weight: 1 932 g |

<http://store.drone.ua/shop/batteries/smenny-j-komplekt-batarej-dlya-drona-pd1900/>

„LiPo 14.8V 5000mA·h 4S1P 20C“ for „PD1900“ facility

€ 172.73

This is accumulator LiPo batteries for using in platforms of flight types.

Accessories

Indicator of voltage (€ 21.36)

Additional equipment and services: € 0.00

Total price: € 172.73

Description

This is a set of accumulator LiPo batteries for „PD1900“ UAV and other compatible platforms.

The set is prepared to install in the battery compartment of a platform. The capacity of the battery allows to exercise flights with the „PD1900“ platform up to 100 mins.

Additional information

|  |  |
| --- | --- |
| Characteristics | capacity: 2 x 5000 mA·h |
|  | configuration: 4S1P, 14.8V, 4Cell |
|  |  |
|  |  |
|  | discharge: 20C (constant), 30C (short-time up to 10 s) |
|  |  |
|  |  |
|  | dimensions: 147 mm x 49 mm x 33 mm |
|  | weight: 1 100 g (2 items x 550 g) |

<http://store.drone.ua/shop/batteries/p2-lipo-battery-11-1v-5200mah-3s/>

„P2 LiPo Battery 11.1V 5200 mA·h 3S“

€ 116.82

This is a removable accumulator LiPo battery for multicopters by „DJI“.

Additional equipment and services: € 0.00

Total price: € 116.82

Description

The accumulator LiPo battery has capacity 5200 mA·h, providing the flight time up to 25 mins. A built-in LED indicator consists of 4 segments and a start button, so it allows to determine the degree of the accumulator discharge.

The accumulator is compatible with „Phantom 2“, „Phantom 2 Vision“ and „Phantom 2 Vision+“.

Additional information

|  |  |
| --- | --- |
| Characteristics | capacity: 5300 mA·h |
|  | voltage: 11.1V |
|  | operating temperature: 0-+60° C |

Cases

<http://store.drone.ua/shop/cases/phantom-2-case/>

„Phantom 2“ and „Phantom 2 Vision+“ case

€ 310.91

This is a case for transporting of multicopters „Phantom 2“ and „Phantom 2 Vision+“.

Additional equipment and services: € 0.00

Total price: € 310.91

Description

The case has sections for storing a drone, 3 batteries, a charger, a control panel and reserve propellers.

The protection of the case conforms to many industrial and military standards of dust- and water-proofing (810F, 512.4 & IP67). The case can be dipped down to 1 m for 30 mins. A handy pull-out handle and gummed wheels provides advanced comfort level during transporting.

The life assurance for defects of materials.

Possible colors: red, yellow and black.

Additional information

|  |  |
| --- | --- |
| Characteristics | dimensions: 608 mm x 406 mm x 256 mm |
|  | weight: 7.7 kg |

<http://store.drone.ua/shop/cases/derevyanny-j-kejs-dlya-samoletnoj-platformy-pd1900/>

Case for the „PD1900“ UAV

€ 362.73

Additional equipment and services: € 0.00

Total price: € 310.91

Description

The case is destined for transporting of the „PD1900“ UAV. All of the necessary equipment are placed and fixed in the case: sensors, a platform, charge stations, accumulators, control equipment and wireless models of a ground station.

<http://store.drone.ua/shop/cases/kejs-dlya-samoletnoj-platformy/>

„Pelican PD 1900“ case

€ 908.18

This is a „Pelican“ case for the „PD1900“ UAV.

Additional equipment and services: € 0.00

Total price: € 908.18

Description

The case is intended for transporting of the „PD1900“ UAV. All of the necessary equipment are placed and fixed in the case: sensors, a platform, charge stations, accumulators, control equipment and wireless models of a ground station.

The „Pelican“ case is equipped by handles astride for handy carrying both, wide polyurethane wheels and a polyamide bush, increasing the endurance of the mobile part of the case.

This model is noted for increased steadiness for influence of chemicals. Also it stands the impact load of 180 kg and fall from 1.2 m height. The case doesn’t suffer from blows or other damages and always keeps fine look. Also it provides absolute hermeticity and full protection from ingress of moisture and water into the case.

Additional information

|  |  |
| --- | --- |
| Characteristics | outer size: 112.1 cm x 40.9 cm x 35.5 cm |
|  | internal size: 104 cm x 32.8 cm x 30.8 cm |
|  | depth of cover: 6.5 cm |
|  | depth of case: 24.3 cm |
|  | weight (empty): 9.98 kg |
|  | temperature conditions: -23-+99° C |
|  | floatage in salt water with load: 121.11 kg |
|  | certificates: IP67 (30 mins, 1 m of depth), MIL C-4150J, Def Stan 81-41/STANAG 4280 |

Spares and components

<http://store.drone.ua/shop/droneparts/smenny-j-korpus-bpla-pd1900/>

Removable case for „PD1900“

€ 450.91

Optional elements and services

Engine and propeller (€ 109.09)

Controller of rpm (€ 61.82)

Replacement of case (€ 27.27)

Additional equipment and services: € 0.00

Total price: € 450.91

Description

Description of set

The removable case in destined for efficient replacement on airplane „PD1900“ platforms. The frame has preset servo motors and cable connetions.

As option before you buy it the body can be completed with an engine and controller of rpm. Use this frame to replace a damaged one replacing electronics.

The set of the frame:

* assembles EPO chassi;
* 4 servo engines;
* horns for connection servo motors and elements of chassis.

Also installation of the electronics can be realized at the office. You have to select the „Replacement of case“ option and we call you to conform a method of delivery of electronic components to the office.

Additional information

|  |  |
| --- | --- |
| Characteristics | wing span: 1 900 mm |
|  | wing area: 45.2 dm2 |
|  | length: 1 300 mm |
|  | material: EPO |

<http://store.drone.ua/shop/droneparts/propellery-dlya-dji-phantom-9450-new/>

Propellers for „DJI Phantom“ (9450 New)

€ 14.55

These are new 9’’ (9450) self-tightening propellers for all of the models of the „DJI Phantom“ multicopters, there are 2 items in a package.

Additional equipment and services: € 0.00

Total price: € 14.55

Description

Compatibility with models of the „DJI“ multicopters:

* „Phantom“;
* „Phantom FC40“;
* „Phantom 2“;
* „Phantom 2 Vision“;
* „Phantom 2 Vision+“.

Thanks to the propellers are self-tightening a possibility to lose them during a flight or install wrongly on a multicopter is impossible. Each screw is made of high-quality strong plastic, so it provides a stable flight to a multicopter.

As opposed to a last version 9443 a new advanced model of the propellers 9450 provides additional traction. so it makes a load multicopter more powerful and maneuverable.

<http://store.drone.ua/shop/droneparts/zashhita-propellerov-dji-propeller-guard/>

„DJI Propeller Guard“ protection of propellers

€ 21.73

A set consists of 4 elements of the protection for propellers. It doesn’t matter amateur or professional you are, the propellers of your drone and those around one will be provided by an additional protection.

Additional equipment and services: € 0.00

Total price: € 21.73

Description

Compatibility with models of the „DJI“ multicopters:

* „Phantom 2“;
* „Phantom 2 Vision“;
* „Phantom 2 Vision+“.

<http://store.drone.ua/shop/droneparts/phantomguard-otstegivayushhayasya-zashhita-propellerov/>

„Phantom Guard“ self-unfastening protection of propellers

€ 22.73

This is a protection of propellers for the „DJI Phantom 2“ multicopters with a system of self-unfastening mounts.

Additional equipment and services: € 0.00

Total price: € 22.73

Description

Fastenings of the lock allows to use the propellers protection in conditions you need. With a view to transport they can be unfastened and transported separately. The fastenings are compatible with all of the „Phantom 2“ drone. They are made of the plastic of industrial quality. The set includes 4 elements of protection and necessary fasteners.

Software

<http://store.drone.ua/shop/soft/pix4d-capture/>

„Pix4Dmapper Capture“

Free!

Additional equipment and services: € 0.00

Total price: € 22.73

Description

Possibility of application

An „Pix4Dmapper Capture“ app allows to use your drone as a tool to create high-detailed maps and 3D-models.

To start to work you need:

* select a region of survey;
* to launch autonomous mission;
* the survey and geotargeting of photos are automatic;
* photos are uploaded to a phone or a tablet after a mission is complete right away.

Package of services