



INSPIRE 1



Scout X4



VOYAGER 3

ANNOUNCED BY:





INSPIRE 1



AIRCRAFT

- Dimensions: 438 x 451 x 301 mm.
- Weight (Battery Included): 2935 g.
- Hovering Accuracy (GPS mode):
- Vertical: 0.5 m | Horizontal: 2.5 m.
- Max Angular Velocity: Pitch - 300°/s | Yaw: 150°/s.
- Max Tilt Angle - 35°
- Max Ascent Speed: 5 m/s | Max Descent Speed: 4 m/s
- Max Speed: 22 m/s (no wind).
- Max Flight Altitude: 4,500 m.
- Max Wind Speed Resistance: 10 m/s
- Max Flight Time: 18 minutes (aprox.)
- Operating Temperature Range: -10° to 40° C

GIMBAL

- Model: ZENMUSE X3
- Mounting: Detachable
- Controllable Range: Pitch -90° to +30° | Pan \pm 320°
- Mechanical Range: Pitch -125° to +45° | Pan: \pm 330°
- Max Controllable Speed: Pitch 120°/s | Pan: 180°/s

CAMERA

- Effective Pixels: 12.4M
- Image Max Size: 4000 x 3000
- ISO Range: 100-3200 (video) | 100-1600 (photo)
- Electronic Shutter Speed: 8s — 1/8000s
- FOV (Field of View): 94°
- CMOS: Sony EXMOR 1/2.3"
- Lens: 20mm (35mm format equivalent)/f/2.8 focus at ∞
- 9 Elements in 9 groups) | Anti-distortion
- Photo Modes: Single shoot | Burst shooting | Auto Exposure
- Video Modes:
- ✓ UHD (4K): 4096x2160p24/25, 3840x2160p24/25/30
- ✓ FHD: 1920x1080p24/25/30/48/50/60
- ✓ HD: 1280x720p24/25/30/48/50/60



Lateral View



Back View

- Max Bitrate of Video Storage: 60 Mbps
- File Formats: FAT32/exFAT | Photo: JPEG, DNG
- Video: MP4/MOV (MPEG-4 AVC/H.264)
- Supported SD Card: Micro SD | Max capacity: 64 GB
- Operating Temperature Range: 0° to 40° C

BATTERY

- **Battery (Standard):** 6000 mAh LiPo 2S
- Voltage: 26.3 V | Rated Power: 100 W
- **Battery (Intelligent):** 4500 mAh | Voltage: 22.2 V
- LiPo 6S (High voltage) | Energy: 99.9 Wh | Net Weight: 570 g
- Max Charging Power: 180 W
- **Battery (Optional / Intelligent):** 5700 mAh
- Max Charging Power: 180 W | Voltage: 22.8 V | LiPo 6S
- Energy: 129.96 Wh | Net Weight: 670 g



720p HD view shows exactly what the camera sees at all times. Improved version of DJI 's Lightbridge technology which can transmit video up to 2 km away.

“POINT AND SHOOT” REDEFINED

Rotate and tilt the camera by tapping the screen and dragging your finger wherever you want to look.

The full 360° range is literally at your fingertips, and with one simple motion it's possible to see and record images behind, below and even slightly above wherever the Quad is flying.

The app responds to the commands immediately, bringing a whole new level of control.



NEW CAMERA AND NEW GIMBAL SYSTEM

Capture up to 4K video and capture 12 megapixel photos. I have 9 separate elements, including an aspherical element, for extreme clarity:

Video: 4K, 24 – 30 fps or 1080p, 24 – 60 fps

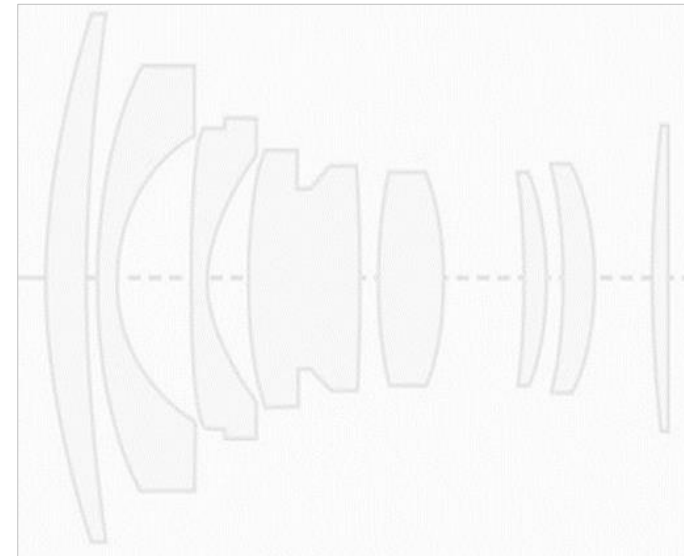
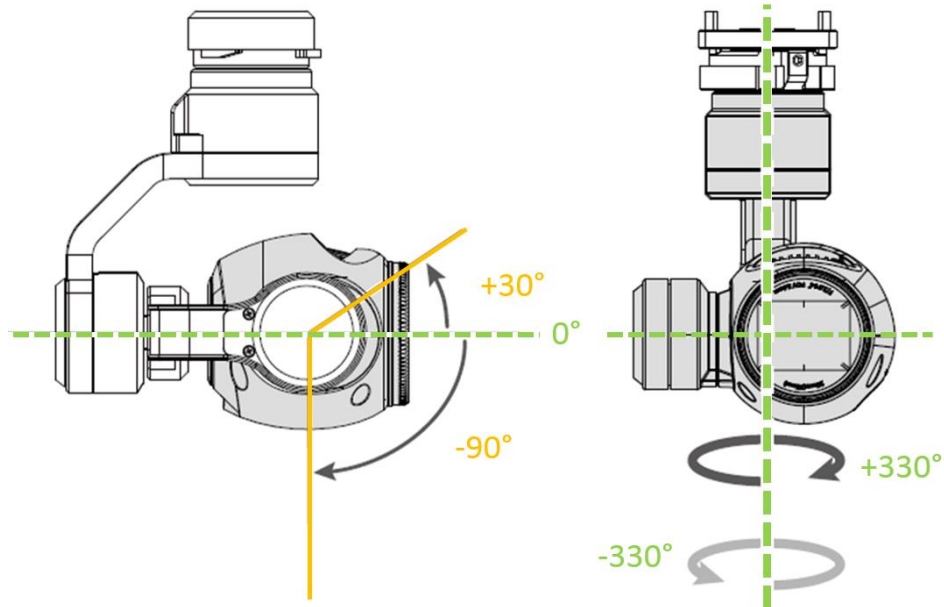
Photos: 12 Megapixel

Lens: 9 elements in 9 groups

1/2.3 inch CMOS sensor

94° wide-angle FOV

3-axis, 360 ° rotating gimbal



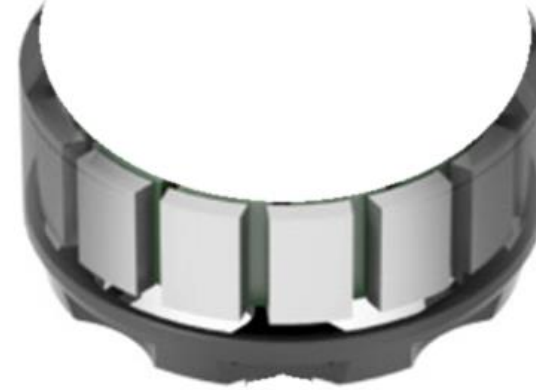
The rectilinear, curved lens design eliminates distortion and the 20 mm focal length opens up to wide angle without fish-eye look.

POWEREFUL PROPULSION SYSTEM

The Inspire 1's propulsion system is unique among all flight platforms. DJI re-engineered and re-built the system to handle the demands of advanced flight, while increasing efficiency and reliability.

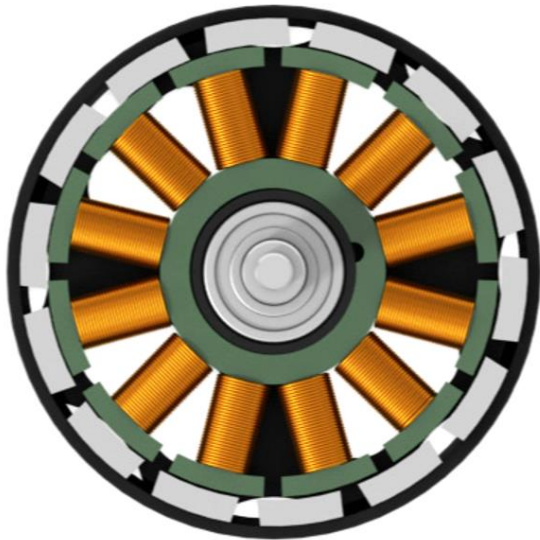


CURVED MAGNETS



The next step in brushless motors. Integrated curved magnets that fit flush around the edge of each motor. These magnets eliminate airflow gaps within the motor, increasing efficiency.

SINGLE-WIRE DESIGN



Several strands of copper wire have been replaced by a single and dense strand. Reducing the wasted space between wires results in more copper within each motor, providing more power and less resistance. A centrifugal pump increases airflow inside the neat, tight copper windings dissipating heat much faster while increase the life of the motors.

ROTOR DESIGN



The 13 inch rotors are built with DJI "Z-Blade" design. They have been enforced with new carbon fiber compound material to increase performance and stability.

Quadcopter
Controller



Camera
+ Gimbal
Controller

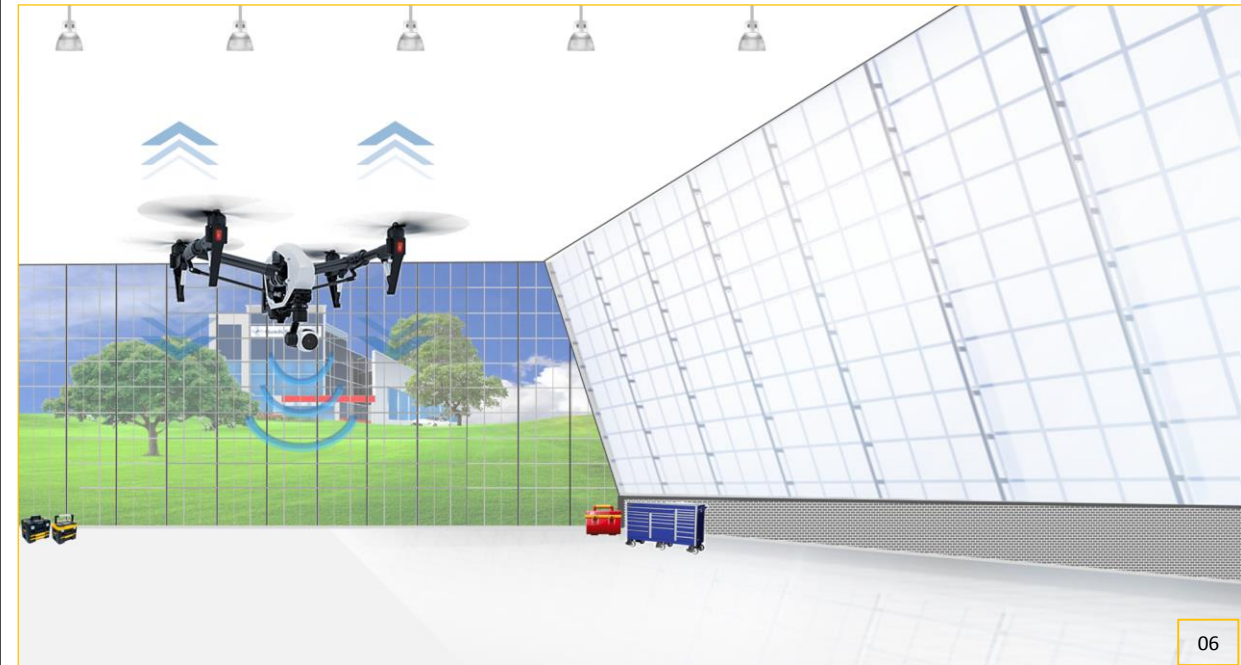
DUAL OPERATOR CONTROL

← Fly with a friend! The Master controller pilots the Quadcopter while a friend moves the Gimbal and Camera's direction. Both remotes receive live data and video from aircraft, but only the Master pilot sends commands to the Quad. The Slave controller is connected to the Master via secure link.

VISION POSITIONING SYSTEM

This system combines visual data and sonar waves in a single unit, detecting both variance in patterns on the ground and current altitude. With this information, the Quad can hover in place and automatically raise or lower its arms as liftoff or descend to the ground. →

It's possible to keep the Quad completely steady indoors or when GPS satellite's signal can't be acquired.





Indoor flight is a true test of skill for all levels of pilot. This system helps Quad to hold its position, stop when the controls are released and respond to commands even when GPS is unavailable.

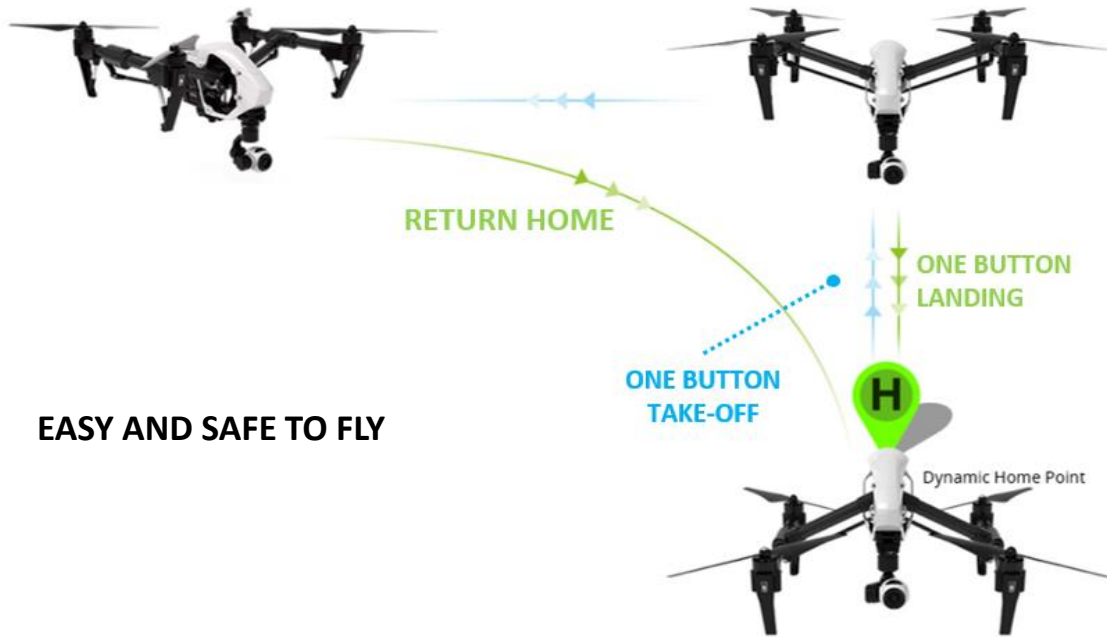
Sonar and visual information is processed by a dedicated CPU chip. This chip takes feedback and outputs data in real-time and it's intelligent enough to distinguish objects and ground patterns. The Quad's flight controller shares the data with the entire aircraft.

A integrated battery power system is able to manages itself. When in flight, the remaining battery power is shown live, letting pilot to know how long the Quad can continue to fly. Algorithms calculate the distance of the aircraft and estimate time to return home, letting pilot know when it's time to fly back.

The battery reports voltage of each cells, the total lifetime charges and discharges, the overall health and battery status.



**INTELLIGENT
POWER
MANAGEMENT
SYSTEM**

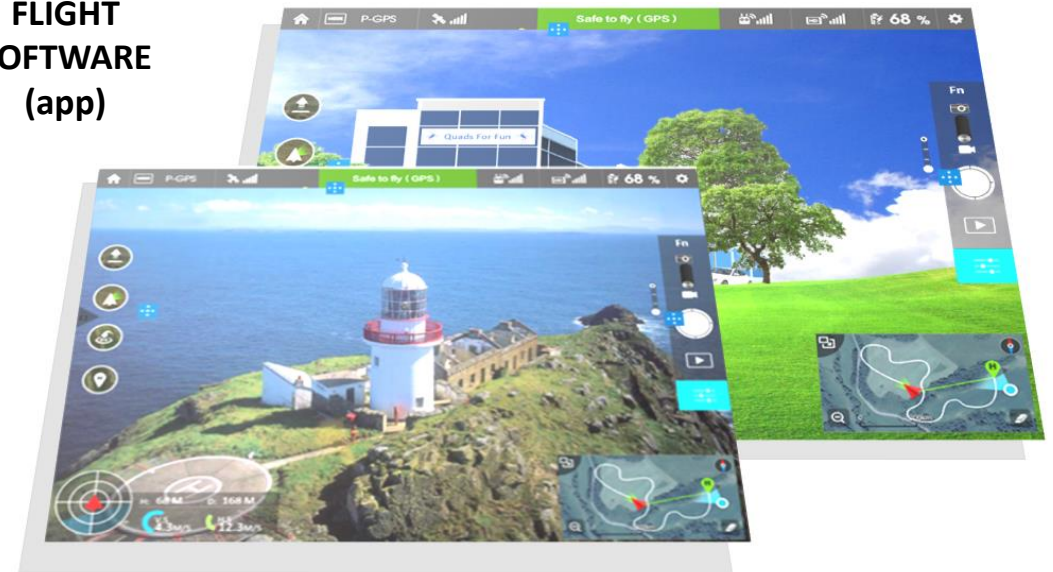


EASY AND SAFE TO FLY

Safe and easy flight even if the pilot never flown before. Taking off or landing the Quad is easy. It takes just one tap to make the aircraft takeoff and transform, ready to start filming. Then tap again to have it transform in landing mode and land. When GPS is available, the Home Point (the location where pilot starts) automatically refreshes, so the aircraft always knows where the pilot are even if he moves around. When pilot commands to come back, or in case of emergency, the aircraft knows exactly where to go and land safely.

All of DJI's flight system knowledge has been put into the remote's software, giving to the Pilot a smooth, stable flight. Advanced tuned control algorithms make the Pilot feels like riding in the cockpit, with a level of control no other multirotor on the Market can match.

FLIGHT SOFTWARE (app)





DJI PILOT App

- 01 – Flight Mode
- 02 – GPS Signal Strength
- 03 – IOC Setting
- 04 – System Status
- 05 – Battery Level Indicator
- 06 – Remote Controller Signal
- 07 - HD Video Link Signal Strength
- 08 – Battery Level
- 09 – General Settings
- 10 – Camera Operation Bar
- 11 – Map
- 12 – Vision Positioning
- 13 – Flight Telemetry
- 14 – Home Point Settings
- 15 – Return to Home (RTH)
- 16 – Gimbal Operation Mode
- 17 – Auto Takeoff / Landing
- 18 – Back

Scout X4

walkera



FEATURES:

- Waypoint mission planning | Designated flight.
- Follow me mode | Follow record track back to home.
- Real time telemetry monitoring | iPad holder with back-up power.
- Quad can change from 4 motors into 8 motors.
- Flight time up to 25 minutes | GPS position hold.
- Hyper IOC function | Object round flight.
- One key to start | One key to go home | Failsafe return to home.



DESCRIPTION

- Main rotor blade length: 23.3 cm | Dimension: 33.5 cm x 33.5 cm x 27.5 cm.
- Weight: 1770 g (w/battery) | Flying weight: < 2270 g.
- Transmitter: Devo F12E | Receiver: Devo RX707(CE)|RX709(FCC).
- Brushless motor: WK-WS-34-002 | ESC: WST-16AH(R/G).
- Battery: 22.2V, 5400mAh Li-po | 2.4G bluetooth datalink | Ground station.

Version A



GRAY to Americas and Europe

Version B



CARBON to Americas and Europe

Version C



PURELY WHITE to China and Taiwan.

PACKAGE INCLUDED (RTF VERSION)

- 1 x Scout X4 RC Quadcopter | 1 x Devo F12E transmitter.
- 1 x Flight controller | 1 x GPS module | 1 x Receiver.
- 1 x G-3D gimbal | 1 x iLook+ camera | 1 x Ground station
- 1 x Battery | 1 x Charger.

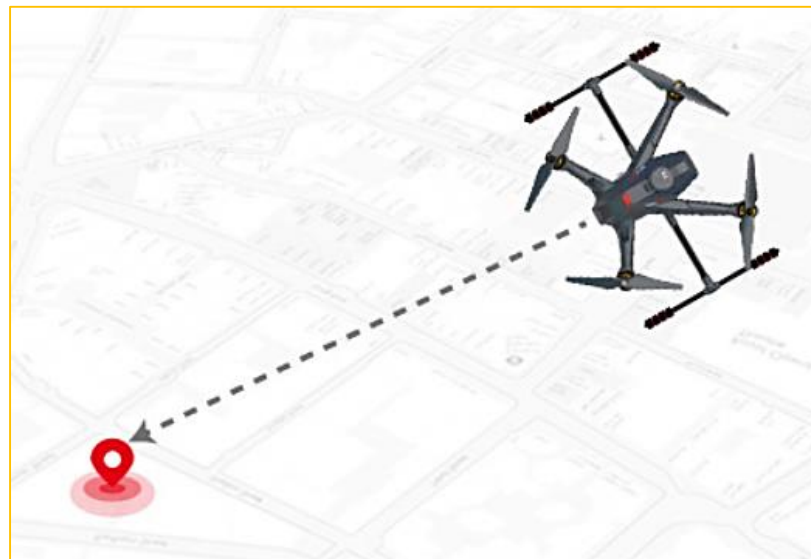
PACKAGES CONFIGURATION (according Walkera):

- **Basic 1:** Case | Flight control | GPS module | Brushless motor | ESC | Receiver | GroundStation. **Without:** Transmitter, Camera, Battery, Charger.
- **Basic 2:** Case | Flight control | GPS module | Brushless motor | ESC | Receiver | GroundStation | Battery | Charger. **Without:** Transmitter | Camera - USD\$739.
- **FPV1:** DEVO F12E | Battery | Charger | 3D gimbal | ILOOK+ | **Without** GroundStation - USD\$1,399.
- **FPV2 (iLook+ Version):** DEVO F12E | Battery | Charger | 3D Gimbal | ILOOK+ | GroundStation - USD\$1,599.
- **FPV3 (GoPro Version):** DEVO F12E | Battery | Charger | 3D Gimbal | TX5803 | GroundStation (GoPro excluded) - USD\$1,339.





One key to start: under GPS mode, the quad can achieve one key to start and altitude hold, more convenient to operate.



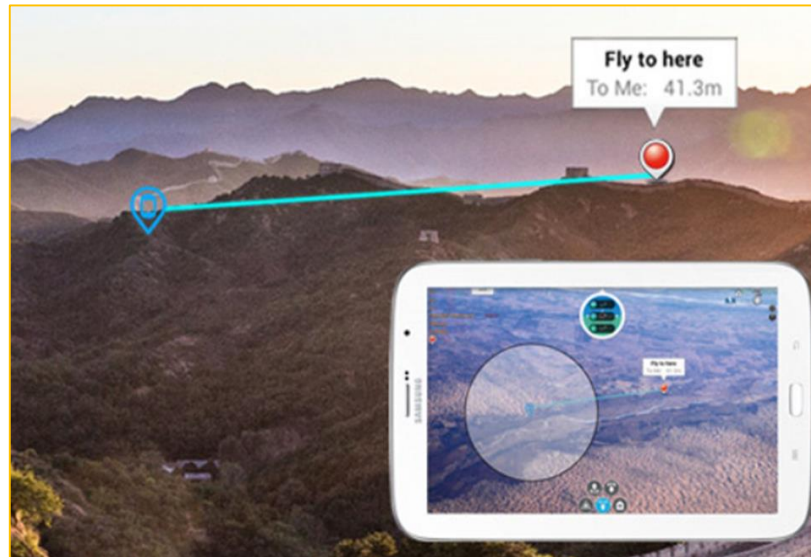
One key go home: support the one key go home function during flying.



Failsafe Return Home: advanced RTH protects the quad in case of loss of control signal. The quad will automatically attempt to return to its starting position for a safe landing.



Waypoint mission planning: in line accordance with the fact of flight requirements to set airline and flying over horizon.



Designated flight: touch the mobile screen and set take-off point and destination, it will under control anytime.



Follow me mode: pre-set the source (ipad, iphone, etc), no matter wherever it go, the quad will follow it and won't lost.



Folow record track back to home: according to the pre-set airline, click the back button, the Quad will turn back along the route.



Real time telemetry monitoring and iPad holder with back-up power: using iPad, tablete or phone. Back-up power will extend the time of power supply.



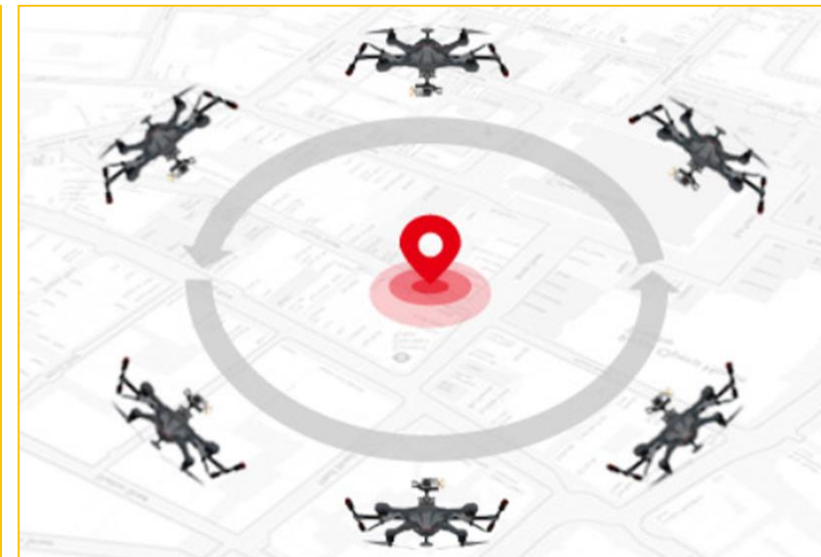
Multi-purpose Quad: can change from 4 into 8 motors to improve the loaded ability.



Flight time of up to 25 minutes: utilizing advanced high-capacity 22.2V, 5400mAh Lipo-battery. Build in battery charge status monitoring, promote safe flights.



Hyper IOC function: with intelligent orientation control the Quad can start and fly in any orientation completely solving pilot desorientation problem.



Object round flight: the Quad can circle a GPS waypoint.

VOYAGER 3



ANNOUNCED BY:



FEATURES:

- 4K camera for cinematic filming.
- Detachable and unrestricted 360° gimbal.
- Professional 12 channel FPV radio (RTF Version).
- 5.8GHz frequency, 5" LCD monitor.
- Telemetry function in real-time (Voltage, Temperature and GPS data).
- Flight time of up to 25 minutes (29.6V 3000MAH x 2) Li-po battery.
- Battery shows remaining capacity and low voltage warning.
- GPS Position Hold (Newest GPS flight control system).
- Auto-cruise function (cruise around the perimeter customizable).
- Return-to-home function (land at the take-off location).
- Return-to-home failsafe (strays beyond radio range, return to the take-off location).
- Retractable landing gear, easy maintenance with four screws.
- GPS and GLONASS dual-navigation system.
- Control with GCS app and Devo 12 even with mutual control over between both.

DESCRIPTION

- Battery: 3300 mAh (29,6V) Li-po.
- Flight time: 20 - 25 min.
- Engines: probably 500 KV
- Camera: 4K camera | Retractable, removable.
- Gimbal: 3-axis with 360° view.
- FPV: Integrated 5.8 GHz video transmitter.
- Panel with LED indicators: Power, Binding, GPS reception, Ok barometer, Ok compass.



360° VIEW





GPS and CLONASS dual-navigation system: special developed double global satellite navigation and position system to ensure highest accuracy and safety.



Over-the-horizon image transmit system: the Quad carries 4 K camera (photo & video). Built-in 5.8G transmission technology. Image can be seen on F12E radio in real time.



Modular Design: easy of maintenance and upgrades. Internal wiring and component placement creates easy and convenient way to changes or repairs.



Video Resolution: 4K 20 FPS
Video Format: MOV
Imaging Sensor: 2,000,000 Pixel
Photo: 1920 x1080 Pixels

5.8G Image Transmission

Pitch Rotation: $-120^{\circ}/+60^{\circ}$
Horizontal: $\pm 360^{\circ}$
(continuous rotation)
Weigh: 320 g

4K Camera & 3D Gimbal: shoot in high-definition pictures and videos. Gimbal has independent design for aerial filming and photographing.



Large-capacity: 6000 mAh Lithium Polymer Battery with intelligent LED lights for power monitoring (2 x 29.6V, 3000mAh). The flight can reach to 20-25 minutes.



Retracting Landing Gear : to gives the 3D Gimbal the capability of uninterrupted 360 degree view. After take-off, the camera will be fully extended from the Quad body.

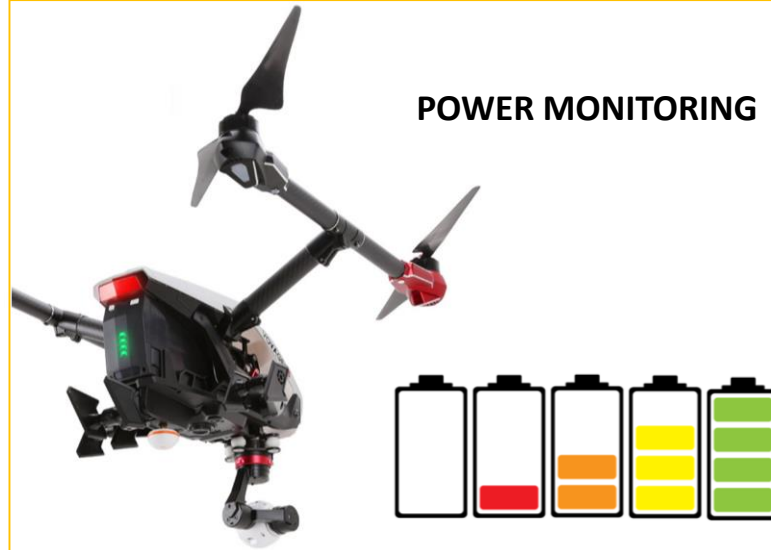
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BRUSHLESS MOTORS

Powerful brushless motors: with the aid of brushless motors, the Quad can load photographic equipments such GOPRO 3|3+|4.

POWER MONITORING

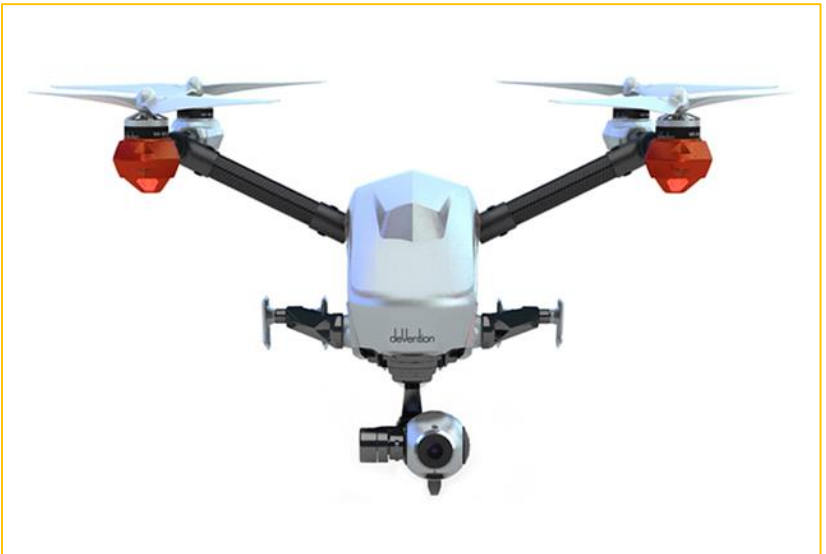


Intelligent power monitoring: user can only monitor power levels via prominent LED's on the Quad. Pilot can constantly check about voltage remaining of the battery.

INTELLIGENT SELF-INSPECTION



Self-inspection module: quad will inspect power levels, the control signal, GPS, the Compass and the Barometer to detect and prevent the possibility of malfunction.



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