PC-1
Multirotor VTOL Drone

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PC-1 Compact Multirotor Drone

Designed for surveillance and reconnaissance mission, inspections, emergency response. PC-1 is compact and fast deployable multirotor platform. It could be launched within 2 minutes and capable of staying in the air for 38 minutes. PC-1 can be equipped with different payloads. In addition, you get automatic take-off and landing, fully automatic flights by way points and image processing features, such as target tracking. All this packed into rugged durable airframe that ready to complete any task.

Main features

- 8 rotors design for maximum reliability and stability
- Full HD camera payload with 10x optical zoom
- Gyro-stabilized gimbal
- 38 minutes flight time
- Automatic take off and landing
- Automatic flight by route

Portable rugged ground control station to control PC-1

- 5 km Digital Data Link
- HD touch screen
- 5 hours battery endurance
- Rugged design
- Encrypted datalink

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PC-1 multirotor drone
PC-1 is compact and fast-deployable multi-purpose drone. It was design for different applications and can carry EO and IR payload. Mostly used for surveillance and reconnaissance, emergency response, inspections, military and tactical operations. PC-1 has proven its capabilities in real military operation while it was used by Ukrainian Army.

Specifications
- MTOW (with payload): 5200 g
- Folded length: 495 mm
- Unfolded length: 560 mm
- Power plant: 8 brushless motors
- Takeoff and landing: Vertical takeoff and landing (VTOL)
- Endurance (with payload): up to 38 minutes
- Service ceiling: 1000 m
- Cruise speed: 10 m/s
- Wind tolerance: 20 m/s
- Video and telemetry range: 5 km
- Security: AES128
- Video link: Digital or analogue
- Automatic takeoff and landing: Yes
- Autonomous flight (by route): Yes

Payload options
PC-1 can carry up to 1 kg payload. We offer three different payload options. Gyro-stabilized gimbal with 10x optical zoom Full HD camera or IR sensor with 4x digital zoom and combined EO and IR sensors gimbal. All of them offer high stabilization level and on-board recording. Quick release mount allows to replace payload within a few seconds and does not require any tools.
PC-1 Ground Control Station
PC-1 GCS allows to control all features of PC-1 Multirotor Drone. It can be equipped either video digital or analogue video link. Telemetry link is digital and encrypted. In both options operational range is 5 km. PC-1 GCS is weather sealed and can we operated in any environment.

Specifications
- Dimensions: 390x260x80 mm
- Weight: 3 kg
- Battery life: 5 hours
- Telemetry & control link: Digital (encrypted)
- Video link: Digital/analogue
- Data transmission range: 5 km
- Operation system: Windows 10
- Touch screen: Yes

Reliable Multirotor design
We take any safety issues really seriously. That’s why we decided to use 8 motors instead of 4. Even in case one motor fail, you crash rotors, or any other emergency take place other motor will produce enough power to safely land PC-1 Multirotor Drone.

Combat proven
Our drones have been widely used by Ukrainian Army, including special operations units. PC-1 has proven its reliability in many hours of military operations.

Extremely durable design
PC-1 is made of carbon fiber and ABS plastic. It is extremely durable and can survive in any harsh conditions.