UKR SPEC _systems

PC-1
Multirotor drone

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 Full HD camera and thermal sensor. 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 more reliability and stability

▶ Full HD camera payload with 10x optical zoom

▶ Gyro-stibilized 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

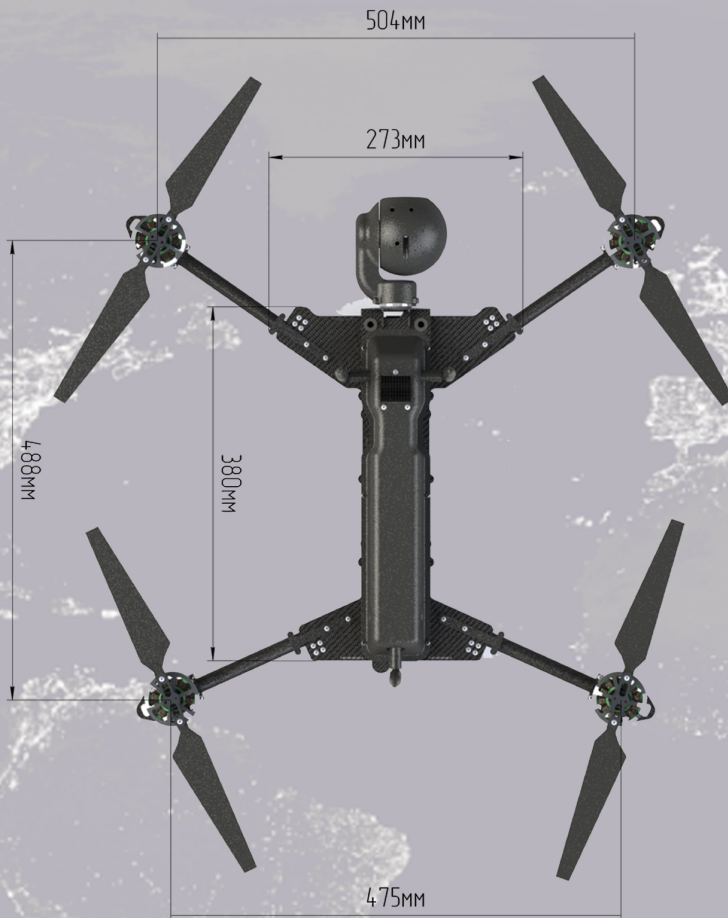# UKRSPEC _systems
www.ukrspecsystems.com
Made in Ukraine

PC-1
MULTIROTOR DRONE

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. Most it is 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 method	Vertical takeoff and landing (VTOL)
Endurance (with payload)	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

Dimensions: 504mm, 273mm, 488mm, 380mm, 475mm

IR payload
(sold separately)
336x240 resolution
9 Hz refresh rate
4x digital zoom

EO payload
Full HD resolution
10x optical zoom
MicroSD card

Payload options

PC-1 can carry gyro-stibilized 10x optical zoom Full HD camera or gyro-stibilized IR sensor with 4x digital zoom.
Both options offers high stibilization level and on-board recording. Our gimbal quick mount allows to replace payload within a few seconds and does not require any tools.

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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

260 mm

390 mm

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 experience

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

Not many drone manufacturers talk about it. Our PC-1 quadcopter has survived crashes from above 600 m AGL. Mostly they were caused by piloting errors. Quick rotors replacement returned PC-1 back to operational condition.