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LONG-RANGE UNMANNED AIRCRAFT SYSTEM “BUREVESTNIK”

Performance of UAS “Burevestnik”

Maximum unmanned aerial vehicle weight, kg	up to 310
Maximum effective range without communication failure and with radio relay, km	up to 290
Altitude, km	0,2–5
Flight speed, km/h	80–120
Endurance, h (depending on weather conditions, with the fuel pods)	8–10
Payload weight, kg	up to 60
Ground control station type	fixed, portable or mobile based on a cross-country vehicle
Flight-navigation system	GPS, GLONASS and the automatic control system (fully automatic UAV flight in case of jamming GPS/GLONASS satellite navigation, or spoofing)
Take-off/landing	running (with the parachute upon emergency landing)
System crew, persons	3-5

The delivery includes the operators' training, technical support, all types of repairs and warranty service.

Monitoring of terrain, forest and farmland



Infrastructure monitoring



UAVs in Emergency Response



Application of UAS “Burevestnik”

The unmanned aircraft system "Burevestnik" can operate within 290 km. Various types of payload (gyrostabilized video, photo and IR cameras, aerial radiation monitoring device, etc.) make it suitable for reconnaissance and target detection in day- and lowlight, for identifying and monitoring emergency situations, oil-and-gas pipelines control, anti-poaching activities, state border control, and for monitoring of agricultural lands and radiation contamination level.



System contents:

- Unmanned aerial vehicle;
- Mobile or stationary ground control station;
- Set of payload (electro-optic and radiation monitoring modules, etc.);
- Ground support facilities;
- Service documentation.



Electro-optic monitoring module
(Television channel, thermal imaging channel, laser range finder)

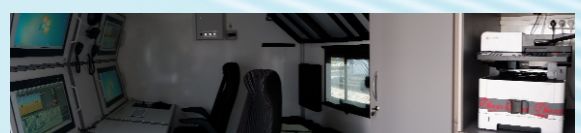
Ground control station



Portable ground control station



Stationary ground control station



Mobile ground control station