

Lapwing (Чибис)



Lapwing is light weight, transportable complex, which includes two platforms, compact ground control station with backup power cells for both UAV and GCS. The complex of two platforms is transported in a backpack weighting only 13 kg. This complex is reliable solution to front line intelligence gathering but also surveillance of both sea and land terrain. It takes up to 5 minutes to setup and launch the platforms. Swift produced on the base of a flying wing UAV and can be controlled in both autonomous and semi-autonomous modes. The apparatus mounted onto the UAV allows to receive the information about the state of the aircraft (speed, altitude, coordinates and position, speed and direction of the wind) and control it from the distance up to 15km.

The ground complex operation is based on PC-compatible notebook-like computer supplied with the specific module for wireless communication. MS Windows XP is the ground complex operational system.

Payload	module of video cameras/ photo camera/ infrared camera
Range	15 km max
Flight endurance	45 - 100 minutes
Altitude	3000 m above sea level
Wingspan	1.5 m
Weight	6.5 kg
Speed	65-130 km/h
Engine	electric
Launch	catapult
Landing	parachute
Wind speed at launch	15 m/s
Navigation GPS	GPS/Glonass
Operating environment	