



INTRODUCTION

UNIVIANIED SYSTEMS GROUP

ENGINEERING



Design of unmanned aerial vehicles (UAVs) of various types and categories

PRODUCTION



Prodaction of UAVs, ISR systems, autopilots and software

SALES



Worldwide sales for both civil and military purposes

SERVICES



Unmanned surveillance services for leading companies in different fields



Company's headquarters are located in Izhevsk - the heart of Russian UAV technologies



253 employees; 40 engineers



2017 - 560 000+ km 2018 - 700 000+ km



2018 - **376 UAVs** produced



2017 - 95 government contracts
2018 -121 government contracts

Est. 2010

SUPERCAM

Is the biggest
private group of
companies dealing
with design,
devolopment and
research of UAVs
in Russia

OUR LARGEST CLIENTS













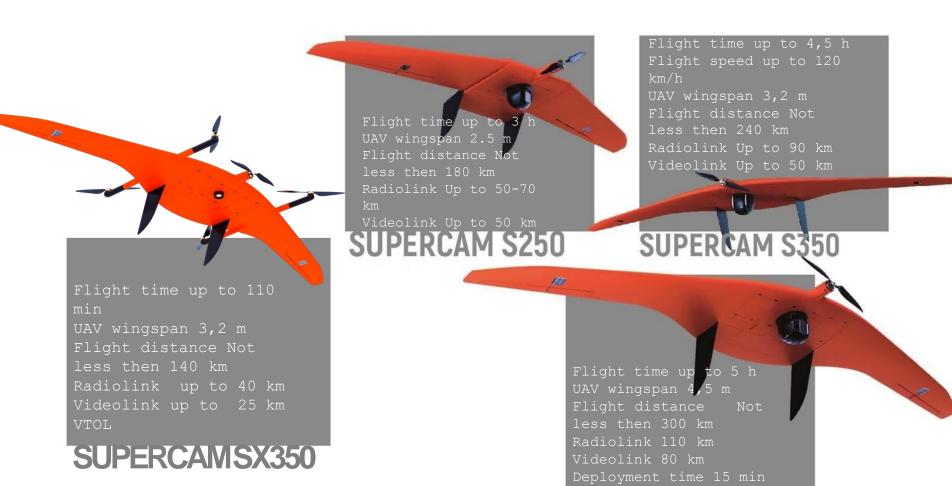






EQUIPMENT DESCRIPTION

UNMANNED AERIAL VEHICLES













STANDART COMPLEX INCLUDES:

- -Supercam UAV in a transportation case
- -Ground control station in a shockproof, dustproof and waterproof case
- Elastic/pneumatic catapult
- -Charger and 2 sets of batteries
- -Payload (HD, PAL, IR camera, Foto camera, Gaz-Analyzer)
- -Ground antenna on a tripod







GROUND CONTROL STATION AND UAV OPERATION

The ground control station (GCS) with present software is used for UAV operation.

The complex may include any number of compact GCSs.

The compact GCS might be used as:

- a main CGS to control all the systems
- A receiver for video and telemetry







HD video camera 10x optical zoom



PAL video camera 10x/28x optical zoom



Thermal imaging camera 640 x 480



Combination in a single payload block



Gas-analyzer



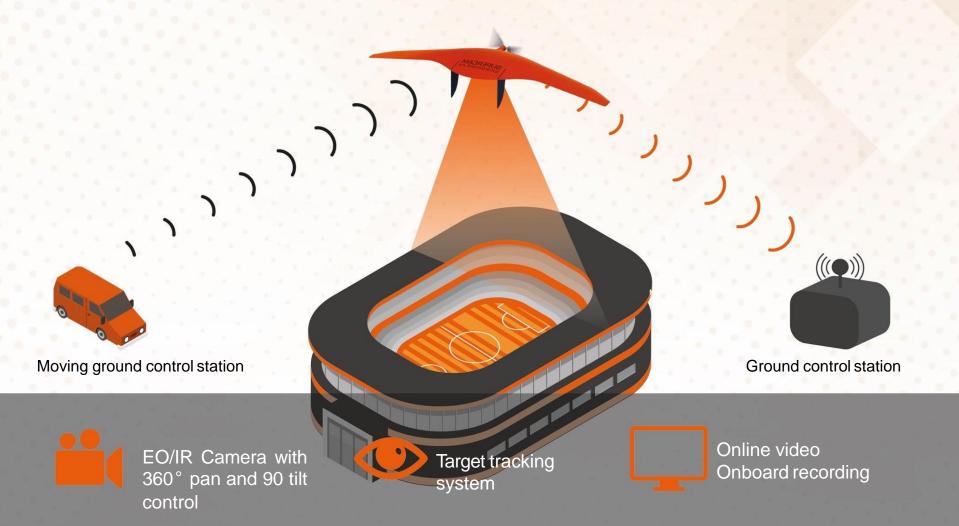


- Automatic wings unhitching system (in case of hard landing the wings are automatically detached from the center in order to mitigate the risk of damage of the UAV elements)
 -Parachute landing with automatic cords
- -Parachute landing with automatic cords unhitching system
- ADS-B Transponder
- -64 bit encrypted radio channel (optionally, the UAV might be equipped by FHSS (frequency-hopping spread spectrum) radio link)
- Video is encrypted and can be decoded only with special software
- The UAV returns automatically in case of loss of communication with GCS
- -Payloads are interchangeable between different models of UAVs
- Vertical take-off and landing (VTOL)





NETWORK STRUCTURE



SITUATION CENTRE

