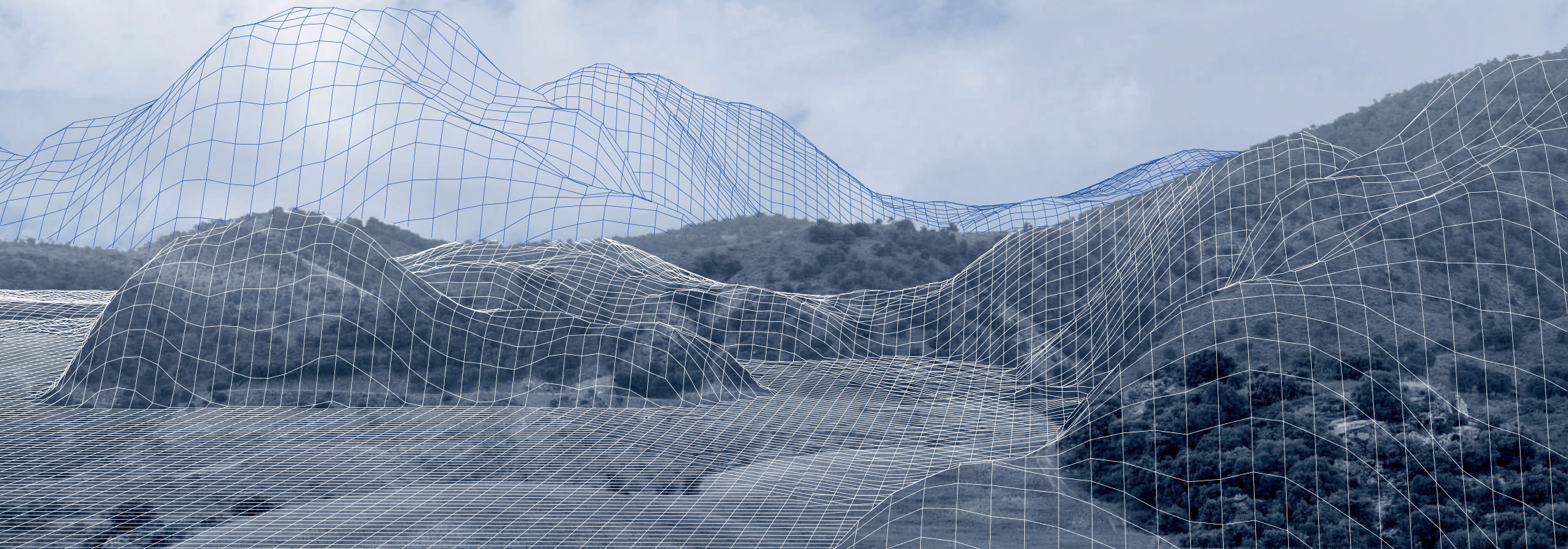


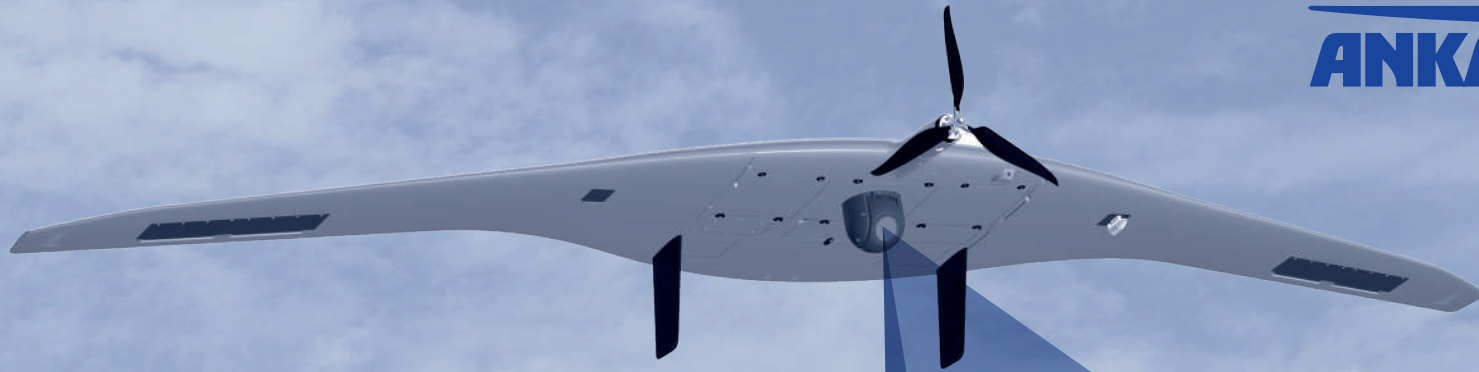


Contacts

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ALAZERA A35X
RELIABLE AND PROVEN

ANKA TECHNOLOGY

The Anka Technology is a serial producer of unmanned aircraft vehicles (UAVs), including the cutting-edge ALAZERA A35X aircraft

Our company operates in the field of advanced thermal imaging and drone-assisted video surveillance solutions, developing high-performance optical and monitoring systems that enable real-time data transmission. Our solutions allow for the effective tracking of distant targets and provide rapid and accurate assessment of on-site conditions, aiming to enhance operational efficiency and strengthen decision-making processes.

Committed to continuous development and the integration of innovative technologies, our company delivers reliable and sustainable solutions in areas such as emergency management, environmental analysis, and the protection of critical infrastructure.

Our solutions are primarily used in the following areas:

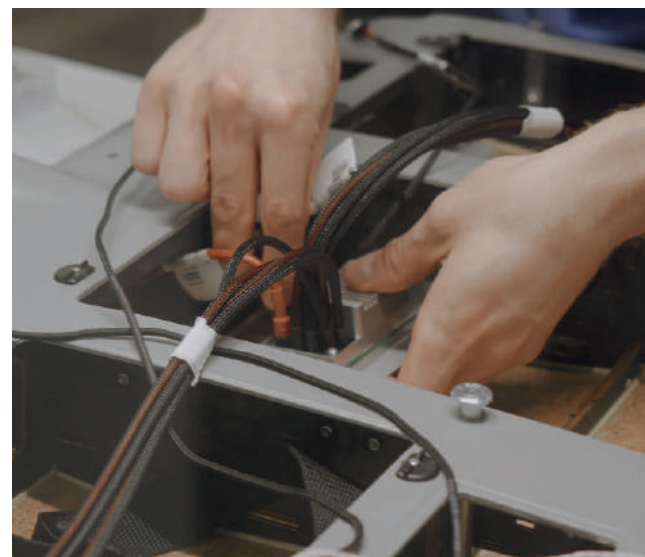
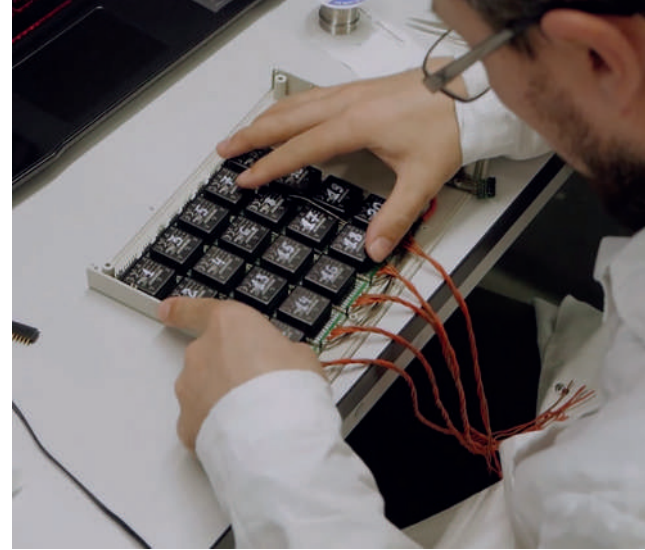
- Forestry and agricultural applications
- Emergency response and search & rescue operations
- Environmental monitoring and analysis
- Construction and land management
- Monitoring of energy transmission and high-voltage lines
- Oil and gas industry

6000 m²
Production Area

9333 m
Fight Altitude

150+
People
Engineering Staff





COMPOSITION OF THE COMPLEX

The design of the UAV is a reinforced flying wing adapted to parachute landing. There are no protruding or brittle elements that are susceptible to damage during landing. The wingspan is 3.2 meters. Similar design features of the **ALAZERA A35X** allow you to perform tasks at different heights.

Flight range: _____
for each operational flight, the **ALAZERA A35X** covers a distance of at least 240 kilometers

UAV – unmanned aircraft

- 32 video transmission channels
- online switching of communication channels
- telemetry transmission channel
- data transmission channel
- automatic target tracking module
- transportation case for UAV
- GPS/GLONASS satellite navigation system
- navigation lights
- course camera. Resolution at least 720x576 pix
- shield consoles





**GBRT –
ground-based receiver
and transmitter**

- 32 video transmission channels
- telemetry channel
- data transmission channel
- rotatable device
- a set of antennas

The GBRT with additional "wave channel" type antennas provides software switching between wide- and narrow-band antennas by an Operator with the GBCS.



**GBCS –
ground-based
control station**

- external battery discharge monitoring device
- laptop with the monitor diagonal of at least 13 inches
- power supply type: 12--36 volts, 220 volts
- mouse manipulator, joystick
- software package
- secure case

The communication line between the GBCS and the GBRT has been increased to 500 meters ensuring safe calculation of the UAV parameters.

WORKING LOADS



Camera

- APS-C matrix
- roller blind shutter
- 20/35/50 mm lens at Customer's choice
- 24 Mpix



HD Visible Spectrum Camera

- gyrostabilized platform
- resolution: at least 1280x720 pix
- optical magnification, multiplicity: at least 30
- shutter type: frame Global shutter



HD Infrared Spectrum Camera

- gyrostabilized platform
- resolution: at least 1024x768 pix
- lens of at least 35 mm

ADDITIONAL EQUIPMENT



Pneumatic starting device

- a compressed air cylinder may be additionally supplied to significantly reduce preparation time for start-up and allow for use of a catapult without a compressor



Spare parts

- spare parts, tools and accessories for maintenance and minor repairs of UAV in the field



Charging station with rechargeable batteries

- battery quantity: 8 pcs Lipo
- capacity: at least 22 A/h
- charger: 2 pcs + cables
- protected case ZS with battery



Elastic starting device

- compact elastic catapult with drill and auxiliary catapult stretching system (block, sling)

MULTIFUNCTIONAL AVIATION COMPLEX "ALAZERA A35X"

Designed for reconnaissance and support of ground operations. The main advantage is its flight time. ALAZERA A35X is capable of staying in the air for up to 4.5 hours. The flight time reserve is a decisive tactical advantage, enabling collection of operational data and implementation of countermeasures.

The ALAZERA A35X aircraft is created with unparalleled reliability and wear resistance. The complex is designed to operate in harsh weather conditions at temperatures from minus 45 to plus 45 degrees. Multiple climatic and flight tests definitively proved the operational capabilities of ALAZERA A35X.

Areas of application:

- Law enforcement agencies:
patrolling, reconnaissance, monitoring of hard-to-reach areas, rescue operations
- Environmental organizations:
identification and assessment of fire sources, illegal landfills, search for poachers
- Oil and gas companies:
pipeline monitoring for leaks or illegal tapping
- Forestry and agriculture:
monitoring and control of large territories, search and air registration of animals, control of crops and optimization of the work of machine operators

They trust us:





**ANKA TECHNOLOGY**



TACTICAL AND TECHNICAL CHARACTERISTICS of "ALAZERA A35X" UAV

Range of receiving/transmitting radio commands to the GBCS	at least 100 km
Video signal reception/transmission range	at least 100 km
Length of the route	at least 240 km
Maximum duration of flight	240 min
Wingspan	3200 ± 10 mm
Length	820 ± 10 mm
Maximum take-off weight	15 kg
Maximum flight altitude above sea level	5000 m
Range of operating altitudes above the ground	from 300 to 2000 m

Speed range	from 72 to 120 km/h
Starting method	- pneumatic starting device (complete with a cylinder for quick fitting-out of 5 seconds up to 12 times) - elastic starting device
Landing method	parachute
Telemetry channel	with PPRF interference immunity, two-stage data encryption, remote control of modem output power and frequency separation of the ground-based and on-board modem
Data transmission channel	with remote channel switching and video transmitter output control
Number of channels	32

