

VIMA - Virtual Mast

Rapidly deployable tactical mast for unlimited aerial surveillance and enhanced radio coverage



Ready to
take off in just
5 minutes



24/7
operation



Autonomous
take-off
and landing

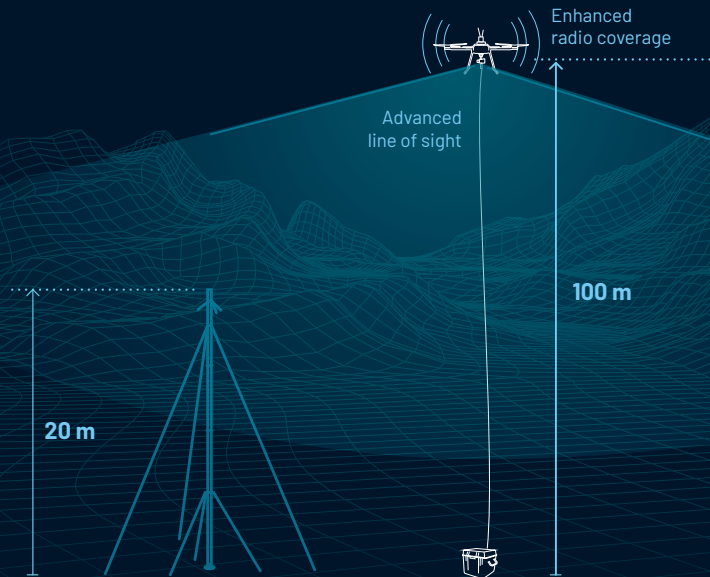


Possibility
of integrating
various devices

VIMA provides support for risky operations, battlefield surveillance and command, and control of border areas. However, it can also be used in civilian applications, such as traffic monitoring, tracking the spread of fires or crowd control at events, demonstrations, etc.

UNMANNED SYSTEMS

VIMA (Virtual Mast) is the next step in the evolution of classic mechanical masts, compared to which it is easily portable and can be rapidly installed and stored. The physical tactical mast is thus replaced by a high-strength drone connected to a power source that flies at a height of up to 100 metres (conventional tactical masts reach approx. 20 m) and can carry the same equipment as a mechanical mast (radio, cameras, thermal vision, etc.).



Usage

- rapid setup of communication and sensory infrastructure
- increase of radio coverage in areas of interest
- implementation of various types of sensors such as daytime camera, thermal camera, etc.
- in times of floods, earthquakes, fires, industrial disasters, etc.
- command posts of military units, special operations forces, immediate reaction units, fire brigades and rescue teams, object and border protection

Features

- max. height of flight: 100 m
- max. speed of wind: 12 mps
- max. payload: 3 kg
- camera system:
 - EO camera 1080p / 10x optical zoom
 - IR thermal camera
 - the possibility to integrate different types of cameras
- radio technology:
 - high speed data radio
 - the possibility to integrate different types of handheld radios
- the possibility to integrate various sensors and devices (loudspeaker, LED lighting, air quality sensor)
- ready to fly: within 10 minutes
- weight:
 - aerial segment: 8 kg
 - ground segment: 40 kg
- transporting dimensions:
 - ground segment: 521 x 521 x 489 mm
 - aerial segment: 673 x 673 x 641 mm