

amosFoldPro



amosAerospace



Specifications

Payloads

Applications

SPECIFICATIONS - FoldPro

RANGE	4 km
FLIGHT TIME	35 MINS
SIZE	600 MM
MAX TAKE-OFF WEIGHT OF THE UAV	LESS THAN 3.5 KG
RANGE OF LIVE TRANSMISSION (LOS)	3 KM (UN-OBSTRUCTED & INTERFERENCE FREE)
TYPICAL CRUISE SPEED	12 M/S
FUNCTIONAL TEMPERATURE RANGE	-5 DEG C TO 50 DEG C
DEPLOYMENT TIME	<5 MIN
PACKING & STORAGE	SHOCKPROOF CARRY CASE
WIND RESISTANCE	UP TO 20 KNOTS OR 36 KM/H
COMPLIANT TO DGCA POLICIES	YES

PAYLOADS - KEY FEATURES



10X ZOOM CAMERA

- 10X OPTICAL ZOOM
- 360 DEGREES ROTATION
- 10X OPTICAL ZOOM
- 1080P/30FPS
- 1.3" CMOS SENSOR



THERMAL CAMERA

- 10X OPTICAL ZOOM
- FAST-FOCUSING FUNCTION
- ONE KEY RETURN FUNCTION
- CAN WORK IN CONDITIONS RANGING FROM -10°C TO 45°C



MULTISPECTRAL CAMERA

- WI-FI CONFIGURATION
- GPS SUPPORT
- LIGHTWEIGHT @ 72G
- RESOLUTION - 1280P×960P

APPLICATION

- Defence Surveillance
- Disaster Management



APPLICATIONS

Defence Surveillance

Drones are being used for defence surveillance and reconnaissance purposes, offering military forces and security agencies a powerful tool for gathering intelligence and monitoring areas of interest. Drones for defence surveillance provide aerial coverage of large areas quickly and efficiently without putting personnel at risk.

The US military is one of the largest users of drones for defence surveillance and reconnaissance purposes. Other countries, such as China, Russia, and Israel, also have significant drone capabilities





APPLICATIONS

Disaster Management

One of the key benefits of disaster management drones is their ability to quickly and safely access disaster areas that may be too dangerous or difficult for human responders to reach. They can also provide valuable data and imagery that can help responders make more informed decisions and allocate resources more effectively.

Nepalese authorities used drones after the 2015 earthquake to survey damaged buildings and assess the extent of the destruction. The data collected was used to prioritize rescue and recovery efforts and to develop reconstruction plans.



GROUND CONTROL SYSTEM

Ground control systems are a critical component of operating drones. These systems allow a drone operator to communicate with and control the drone, as well as monitor its flight path and status. Ground control systems typically consist of a control interface, a communication link between the operator and the drone, and software that allows the operator to program the drone's flight path and behavior.

Here are some devices for Ground Control Systems:



**PANASONIC
TOUGHPAD**



**SAMSUNG
TABLET**



**PANASONIC
TOUGHBOOK**



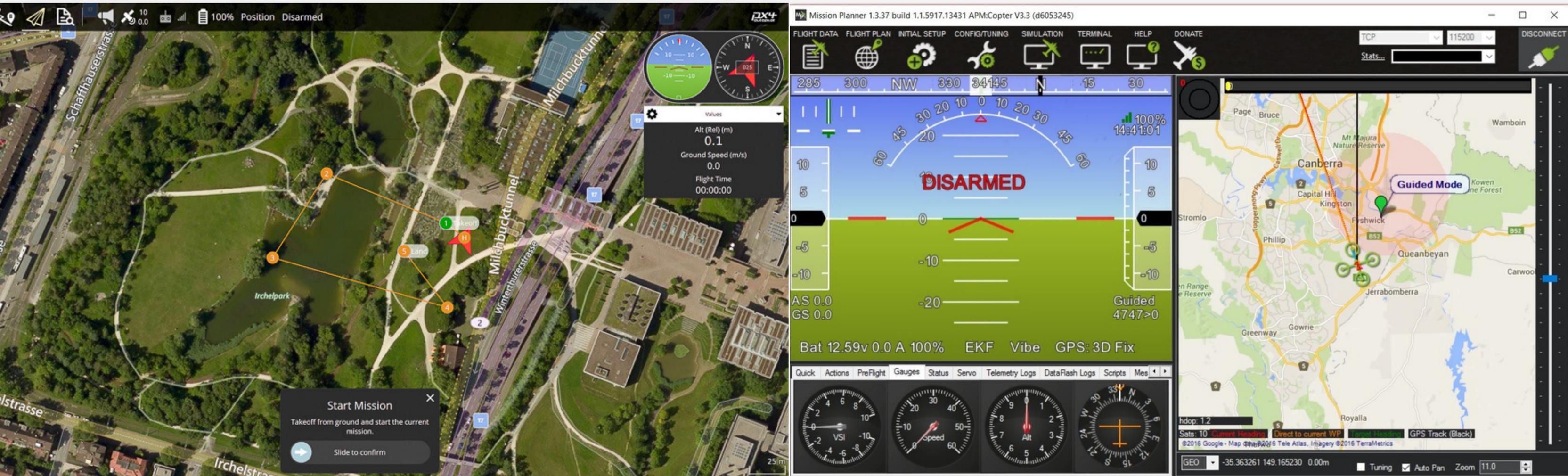
**GETAC RUGGED
WORKSTATION**



**HERELINK
TRANSMISSION
SYSTEM**

GROUND CONTROL SOFTWARE

Ground control software for drones, also known as drone management software, is a crucial component for the safe and efficient operation of drones. This software is used to plan, control, and monitor drone flights, as well as to process and analyze data collected by the drones.



ARTIFICIAL INTELLIGENCE

The use of AI in drones has a wide range of applications, including agriculture, construction, search and rescue, and surveillance. By enabling drones to operate autonomously and perform complex tasks, AI technology is helping to transform the way we use drones and unlocking new possibilities for their use.



WITHOUT AI INTEGRATION

WITH AI INTEGRATION



TRAINING

- To use a drone to its full potential, one must know how to operate it properly, and that's where **Integrated Drone Training Academy** comes in, AMOS's drone training wing specialising in providing comprehensive training on drone operation and engineering.
- At IDTA, we believe that the future of aviation lies in unmanned aerial vehicles, and we are committed to empowering individuals and organizations to harness the full potential of drone technology.
- We offer **7 courses** including -

1. Drone Flying
2. Drone Engineering
3. Drone Technician
4. Drone Journalism
5. Drone Business
6. Drone GIS
7. Drone AI



**Integrated Drone
Training Academy**

www.idta.in

PROJECTS COMPLETED



**TETHERED DRONE
INTEGRATION ON A
TANK**



**WINDMILL
INSPECTION**



**SWARM DRONE
DEMONSTRATION**



**MAPPING OF SAACH PASS
FOR DEVELOPMENT OF A
ROPEWAY**

OUR CLIENTELE



STENUM Asia

STENUM ASIA

ReNew
POWER

RENEW POWER

SYSTRA
MVA

SYSTRA

ALCHEMIST AVIATION
Give Wings To Your Ambitions

ALCHEMIST AVIATION

greenko

GREENKO



INDIAN AIR FORCE



गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS

MINISTRY OF HOME AFFAIRS

grene
ROBOTICS

GRENE ROBOTICS



INDIAN ARMY

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