



X6100




Payload up to 5kg

Customized Drones for your Payloads

Introducing the all new X6100, a light weight long endurance surveillance quadcopter designed to bring various camera payloads to the sky. Suitable for Intelligence, surveillance, target acquisition, and reconnaissance ISTAR missions, the X6100 is the advance technological equipment for the modern day missions.

 <https://alphaswift.com>

 hello@alphaswift.com

 +603 8311 9385



Built-in Safety Features

X6100 surveillance UAV system is a complete solution that is operating via mavlink protocol. The X6100 is light weight, super high strength and rigidity, thanks to the one-piece design makes the drone easy to transport and deploy quickly from a portable backpack. Equipped with 1pcs 22000mAh battery and 18inch propeller, the endurance comes 30minutes with a surveillance 3-axis EO/IR dual sensor gimbal camera

Z10TIR.

Water and Dust Resistant

The multipurpose drones X6100 is built to work in tough environments. Water and dust resistance are designed for these machines. All the core components are shielded, and you can operate your missions in all weather conditions.



Foldable Propeller for Storage

Transporting, unpacking, and assembling is a big part of any drone mission. The X6100 is designed to be deployed without any installation or unfolding, for the quickest deployment and transportation. Get the X6100 working right away, saving mission critical time.

Powerful and Precise

H1600 can reach top speeds of up to 20 m/s, which is one football field in 5 seconds. Get to your destination quickly and hover at the spot with a precision of 5 centimeters with our RTK GPS.

Go the Distance

The H1600, being a hexacopter, has a higher endurance and can reach up to 20 km in a single charge.

Distance and speed matter a lot in an emergency mission, and you can rely on the H1600 to save lives.



Advanced Flight Controller

Powered by Pixhawk Cube Orange, our multicopters are capable of operating autonomously without any pilot input. The Pixhawk Cube Orange is an NDAA compliant, Executive Order 13981 Compliant autopilot flight controller, authorized for usage for the US Defence. Have all kinds of customized unmanned missions and operations built to your specifications.



Heavy Duty Ground Control Station

Go with the Herelink Ground Control Station to ensure the highest data security. Encrypted data only for your information, and not to any other third party apps or unknown entities. Stream datalink and HD videos up to 15 km.



Unlimited Payload Options

A quick-release adapter for interchangeable payloads is available for X6100. Here is a list of example payload options available for your mission. Talk to us about any new payload that you need to perform your mission, and we will design and build the best drone configuration for you.

Payload Supported



Specifications

X6100

Structure

Material

Carbon Fiber

Wheelbase

1000 mm

Propulsion

Motor

Industrial brushless motor

Propellers

18 inch (45.7 cm)

Max Thrust

4 kg per motor

Battery

6S 22000 mAh battery

Autopilot Software

Ease of Use

Autonomous Operation

Easy Calibration

Auto Tuning

Performance

Operating Temperature

-10 - 40 °C

Navigation System

GPS

Obstacle Avoidance (Optional)

Terrain Following (Optional)

Navigation Sensors

GPS Antenna

Camera

Radar

RTK GPS (Optional)

Failsafe RTL Condition

Low Battery

Transmission Loss

Ease of Use

Geofence

Auto Waypoint Following

Real-time Data and Video

Interchangeable Payload

Night Light (Optional)

Max. Payload Weight

5 kg

Max. Take-off Weight

12 kg @ sea level

Max. Cruising Speed

5 m/s

Max. Decent Speed

3 m/s

Max. Climbing Speed

15 m/s

Wind Resistance

12 m/s

Max. Distance

15 km

Max. Hover Endurance

30min (with payload)

Remote Control/ Ground Control Station

Operating Frequency

2.4 GHz

Max Range

15 km

Camera

Weight

800 g

Size

132.6 * 131.4 * 149.2 mm

Yaw / Pan

±290° / ±360°N (IP output version)

Pitch / Tilt

-45° - 90°

One-key to center

Support

Output

micro HDMI(HD output 1080P 50/60fps)

IP(720P/1080P 25/30fps)/SDI(optional)

Control method

UART / PWM / TTL / SBUS



Service

Maintenance, repair and overhaul provided
Spare parts are in stock



Address

07-2A, Kenwingston Business Centre,
Persiaran Bestari Cyber 9,
63000 Cyberjaya, Selangor, Malaysia.



Contact Number

+603 8311 9385



Email Address

hello@alphaswift.com



Scan here to get further details