

Industrial Grade UAVs

X6120

Multipurpose Hexacopter

Designed for versatility and portability, Alphaswift's X6120 multipurpose drone series is lightweight, easy to deploy, and ideal for applications such as education, training, scientific research, and light-duty operations. Its modular design supports flexible payload integration at lower operational costs.



Education & Training

Compact and affordable, the drone is perfect for hands-on UAV training and educational use in schools and universities.



Scientific Research

Lightweight and easy to deploy, the drone enables efficient field research and data collection in various environments.



Industry Application

With a portable design and lower operational cost, the drone suits a wide range of industrial tasks including inspection, mapping.

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Specifications

Dimension (Unfolded)	1888*1888*730mm
Dimension (Folded)	608*554*680mm
Wheelbase	1290mm
Weight (w/ battery)	13kg
MTOW	18kg
Flight time	30min@5kg
Max. flight speed	15m/s
Wind resistance	12m/s
Voltage	50V
Battery capacity	35Ah
Propeller	24inch
Transmission range	5-20km
Radar sensing range	Terrain: 0.1-100m
Positioning accuracy	No RTK: horizontal $\pm 100\text{cm}$, vertical $\pm 50\text{cm}$; RTK enabled: horizontal $\pm 10\text{cm}$, vertical $\pm 10\text{cm}$