

Why Not Just Buy Commercial Drones?

“Why wouldn't I just use a commercially available drone as targets? I can buy them new or second hand from sites like Amazon or eBay.”

This is a question we hear a lot at Boresight. The proliferation of drones means that there are a number of options available to provide targets for C-sUAS activities.

If you're only wanting to purchase one or two drones for a demonstration or to simulate a target then purchasing new or used through one of those websites can make sense.

However, if you're wanting to buy drones to use as aerial targets in quantity and to destroy them, then Boresight is the clear winner in terms of capability and cost-effectiveness.

The Boresight Advantage

AERIAL TARGET DRONE TYPES

Boresight has three aerial target drone types available, specifically designed to step through different size, cross section size / signature and targeting complexity, all available from a single source and using the same Ground Control Station, flight management and mission planning software.

RAIDER QUADCOPTER

Similar size and technical specifications to the most popular commercial quadcopters.



Specifications

Range: **2.5km plus**
Speed: **18m per second**
Endurance: **20+ minutes**
Weight: **1.3kg**

HEXCOPTER

Similar size and technical specifications to the most popular commercial hex and octocopters.



Specifications

Range: **2.5km plus**
Speed: **15m per second**
Endurance: **20 minutes**
Weight: **~5kg**

VIKING GROUP 1 VTOL

Flexibility of a large VTOL capability that could also be used as a Group 2 target.



Specifications

Range: **5km plus**
Speed: **30m per second**
Endurance: **25 minutes**
Weight: **7kg**
Size: **2200mm (W)**
x **800mm (L)**

The Boresight Advantage

FORMATION FLYING / SWARMING

Unlike commercially available drones, Boresight has a Formation Flying capability, mimicking swarming, that enables multiple aerial target drones to be controlled by the one Ground Control Station and drone pilot. This enables complex mission profiles and attack vectors to be flown whilst minimising the resource overheads required to conduct the missions.

SUPPLY CHAIN – EASE OF SOURCING

Boresight aerial target drones are available in quantity and at short notice, deliverable almost anywhere in the world, through the one trusted supplier. No more trawling through eBay or Amazon looking for second-hand drones to use as targets and having to purchase from multiple different, unknown sellers.

KNOWN PRICING

Boresight aerial targets have known pricing with discounts for volume purchasing. They are also typically cheaper than second hand drones. This removes budget uncertainty and enables better C-sUAS training planning.

GUARANTEED QUALITY

Boresight aerial target drones are all manufactured under Boresight's strict quality control processes. They are guaranteed to work first time, every time as advertised. This alleviates the issue of not knowing the quality of purchased second-hand drones until they're delivered. You have to take the word of the seller for the quality of the equipment. You can take our word for it.

TRUSTED VENDOR

Boresight is a trusted vendor with a long pedigree of supporting Government agencies and commercial entities. With Boresight, you can be assured that you're getting what you've asked for and when you've asked for it.

NO SOFTWARE UPDATES OR CONFIGURATION REQUIRED

Boresight aerial target drones do not require software updates. One of the great frustrations of using commercial drones is their seemingly continual need for software / firmware updates, often meaning that no flying can be conducted until the update is completed. This can be highly problematic when at remote shooting range locations, for example, where access to the internet may be limited. This can delay or even stop the conduct of training activities. Also, any software / firmware update requirement typically needs to be done for each individual drone to be used, wasting more range time.

NO NEED FOR AN ACCOUNT

Boresight does not require the establishment of a user account or similar for flying missions. The ability to fly a COTS drone often requires the establishment of a relevant user account with the COTS drone company, requiring personal details and a registration process to be conducted. This can be time consuming, invasive and can potentially lead to data leaks.

NO "PHONING HOME"

Boresight aerial targets do not, and will not ever, report any flight activity back to Boresight or other 3rd party. Customers can therefore be assured that their training, testing and other data remains with them only. Commercial drones from some vendors are known to "phone home" with flight data, possibly resulting in data leakage and the exfiltration of sensitive information.

TURNKEY SERVICES

Boresight, through its global reseller network, offers turnkey aerial target drone services. This includes the provision of the aerial target drones themselves, of whatever type or combination of types the customer desires, and the necessary drone pilot(s) to plan and fly the missions.

If you want to know what you're getting. If you need them available when you want them. If you want to fly more than one aerial target drone at the same time. If you want to be able to fly simple through to complex mission plans easily and repeatably. If you want support for the conduct of training to maximise the training benefit for your personnel. If you want to be able to fully train and test your people and systems... **You need Boresight aerial target drones.**



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