



BUG 4.2

SUB 250g

Currently the smallest airframe in our fleet, the Bug is compact, lightweight and visually discrete.

The Bug can be deployed for missions of up to 20 minutes, with a removable battery that can be swapped in seconds. The systems come with sufficient batteries for up to 120 minutes of operational time.

Launching swiftly from an operator's hand or a moving vehicle, the Bug 4.2 delivers intelligence, surveillance,

target acquisition, and reconnaissance (ISTAR) capabilities. The Bug has best in class thermal picture quality with ability to stream useful data and spot thermal targets with ease and identify them.

The Bug is capable of reaching speeds of up to 80kph (22m/s), with a transmission distance of 3km from its handheld controller (5.8Ghz). This gives is a wind capability beyond that of much larger systems.

The unique ability of the UAVTEK system means footage can be seen on multiple devices out of the box. With a small amount of integration, it can also be broadcasted securely to multiple locations, allowing users to view the live feed from anywhere in the world. Additionally remote control can be handed off to any location in the world (where county drone regulations permit).

The Bug offers fully autonomous GPS assisted flight, with all the standard functions you would expect including intelligent return-to-launch mode, waypoints, advance mission planning and on the fly dynamic changes to the mission.

This version of our Bug model features a removable GPS, this allows for upgrades in the GPS unit. The bug also performs dead reckoning in GPS denied mode and is still fully capable of Return to Launch (RTL). All UAVTEK products use our unique secure single AES 256 encrypted wireless link to provide video and telemetry.

SPECIFICATIONS

Size	L 205mm x W 250mm x H 62mm, Stalk H 120mm
Weight	246 (±2g)
Flight Time	Up to 20 mins
Windspeed (MAX)	40kts (Gusting 45kts)
Operating Temperature	-30 +50 Celsius
Launch and Recovery Options	Hand / Thrown / Ground / Vehicle / Boat
Frequency	5.8Ghz
Fully autonomous mission capable	Yes - Full mission planning
Daytime Camera & Thermal Camera	EO 5MP Day Camera, Thermal 256 x 192, Video stream 720p -1080P and full night time capacity
Encryption	AES256
Range with full video link	3km+ (5.8Ghz) Up to 7km with optional sector antenna
Data dissemination	Local devices via WiFi or multiple possible connection methods via USB, RJ45 or HDMI connections. StarLink plug and play ready.
UAVTEK Tripltek Controller	The brightest 8" screen on the market at 1300nts