



# Black Swift **E2** UAS

## UAS Designed Specifically for Automated Industrial Inspections

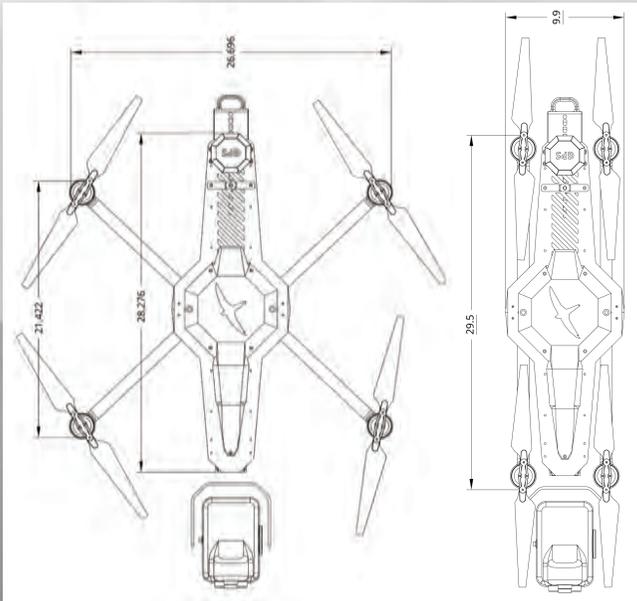
With its advanced navigation technology, the Black Swift E2™ UAS facilitates highly accurate, up-close inspections of infrastructures, even in extreme environmental conditions. Able to leverage advances in computer vision and machine learning, the Black Swift E2 is an intelligent drone capable of completely autonomous flights. The Black Swift E2 provides precise, reliable and safe navigation around complex structures, while delivering real-time actionable data to its operator.



### Forward-Mounted Payload

The Black Swift E2 UAS is designed to carry its payload up front rather than on the belly of the aircraft enabling operators to get full field-of-view (even looking up). Quick change payload bay enables swapping sensor packages with just a screwdriver. Battery pack is also easy to change, while its placement is adjustable depending on payload weight.

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## When Time is of the Essence

Leveraging BST's proprietary Flight Planning User Interface, operators can program the Black Swift E2 UAS in minutes to calculate the area under review and then begin collecting data for immediate analysis and decision making. With its intuitive tab-driven interface, flight planning is simple and easy to accomplish. Mission monitoring and mapping is all done from a handheld Android™ Tablet loaded with BST's SwiftTap™ software. Gesture-based controls enable users to confidently deploy their Black Swift E2 UAS with minimal training while being able to collect data in diverse environments with confidence.

## Specifications

### Vehicle Characteristics

Airframe	Proprietary carbon fiber and polyamide 12
Frame Weight (empty)	1.42 kg (3.13 lbs)
Electronics and Battery	3.83 kg (8.44 lbs)
Maximum Payload Weight	1.99 kg (4.39 lbs)
Maximum Takeoff Weight (MTOW)	8.78 kg (19.36 lbs)
Motors (4)	360Kv
Battery Charge	Custom Li-ion 41.400mAh (6 cells)
Propellers (4)	18.5 inches
Radio Control Frequency	2.4 GHz (FASST)
Telemetry Frequency	900 MHz (ISM)

### Mission Capabilities

Flight Time (full payload)	20 minutes
Max. Winds Endured	15 m/s (30 kts)

## Compact and Easily Transportable

The Black Swift E2 UAS quickly folds down and fits into a custom carrying case for easy transport while protecting the aircraft from potential damage during transit.