SWITCHBLADE® 300 SENSOR TO SHOOTER KIT

Switchblade® Sensor to Shooter (S2S) combines the superior ISR capabilities of Puma™, Raven® and Wasp® with the precision strike capabilities of the Switchblade loitering missile system. Through S2S software, target coordinates are instantly transferred from the small UAS (SUAS) to Switchblade, reducing engagement timelines and cognitive load on the operators. S2S provides Switchblade operators with real-time video downlinks for a clearer view of the area of operation and the ability to scene-match SUAS ISR and Switchblade 300 camera feeds on one screen.

The Switchblade 300 Sensor to Shooter Kit allows operators to quickly update FalconView® with the S2S software on a ruggedized laptop, such as a Toughbook CF-33, and connect to the included pDDL™. The Switchblade 300 operator simply taps the screen to initiate machine-to-machine target coordinate transfer, creating an automated mission plan and confirming launch sequence.

DISTINCTIONS

≫ PORTABILITY
Backpackable

≫ LINK RANGE
10 km

≫ SETUP TIME
Under 10 min

≫ WEIGHT
Operational: 0.6 lb (2.95 kg)**

SPECIFICATIONS

SOFTWARE

APPLICATION	FalconView®: Sensor to Shooter Software Update
OPERATING SYSTEM	Windows® 10

HARDWARE

DIMENSIONS	Pelican Case: 16.9 in x 13.2 in x 4.5 in (42.9 cm x 33.6 cm x 11.4 cm)
WEIGHT	System: ~6.5 lb (2.95 kg)* Operational: 0.6 lb (0.27 kg)**
COMPATIBLE UAS	Puma™ LE, Puma™ 3 AE, Raven®, Wasp® AE
COMPATIBLE ANTENNAS	pDDL™
REQUIRED HARDWARE	Ruggedized Laptop

SYSTEM PERFORMANCE

FREQUENCY BANDS	M1/2/5

*System consists of all kit components
**Operational setup consists of pDDL, antennas, USB Y-cable

KIT COMPONENTS

A	Pelican Carrying Case (1)
B	Antenna, M1/2/5 pDDL (2)
C	RFU, M1/2/5 pDDL (1)
D	Pouch pDDL (1)
E	Assy, SSD Hard Drive Software Installation (1)
F	Velcro tape hook and loop (2)
G	USB Y-Cable (1)
	Quick Reference User Guide (2) *Not Shown*
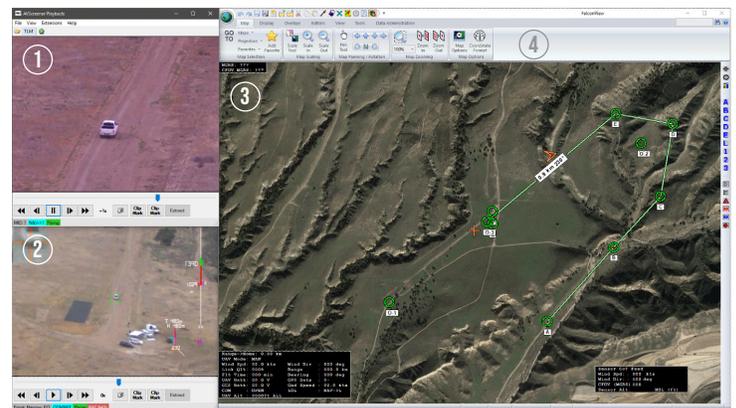
1. UAS Live Video Downlink Window
2. Switchblade 300 Live Video Downlink Window
3. Mission Map Data Points
4. Switchblade 300—FalconView

KEY FEATURES

≫ *Reduced Engagement Timelines— Instant target coordinate transfer from SUAS to Switchblade 300*

≫ *Streamlined Operations—View ISR and TMS downlink, FalconView UI and Mission Map on one screen*

≫ *Scene-match SUAS ISR and TMS camera feeds—Instantly access BDA to reassess targets and mission plan*

≫ *Force Multiplier—Identify threats at greater standoff range; find, fix and prosecute high-value targets with lethal effects*

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