

## UAS-Connector

### UAS ATC Integration/ BVLOS Surveillance Solution



**The UAS-C securely integrates with existing ATC Surveillance Systems to support ALL UAV operations flying Beyond Visual Line of Sight (BVLOS) including flying in or through Controlled airspace regardless of size or altitude.**

Sunhillo has deployed thousands of ATC surveillance data distribution and conversion systems worldwide and are leveraging their experience and expertise to seamlessly and securely track UAS.

The UAS-C has addressed the major surveillance challenges flying BVLOS and/or in controlled airspace creating a ubiquitous surveillance picture for critical operations in controlled airspace.

**UAV Tracking:** Tracking of UAV's does not rely on Radar or ADS-B. By connecting to the UAS Ground Control System (GCS), Sunhillo's UAS-Connector (UAS-C) converts the positional data that is already being sent from the UAS to the GCS into a radar or ADS-B message using Sunhillo's proprietary software with no equipment required on the aircraft. This message can then be sent to ATC or a local command center and displayed with other radar and ADS-B targets for situational awareness. The UAS-C can be used remotely via LTE or directly connected via Ethernet.

**Situational Awareness:** Both manned and unmanned aircraft pilots have a complete visual situational awareness picture. The UAS-C provides the pilot with a See and Avoid display showing all aircraft (via

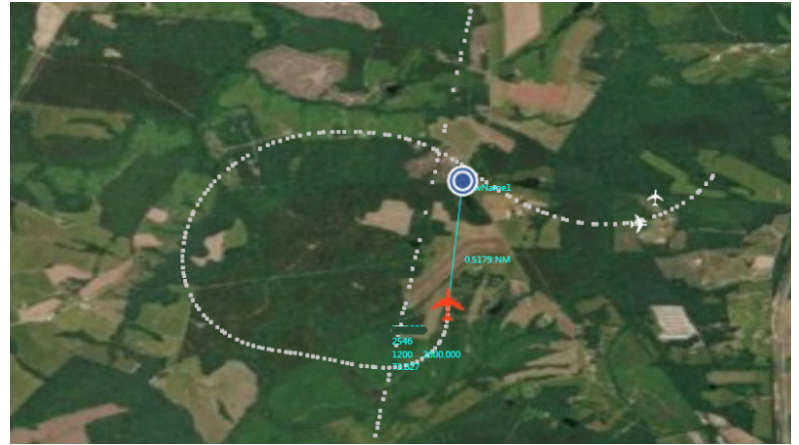
## FEATURES

- Surveillance solution for all UAV operations flying BVLOS or through Controlled airspace regardless of size or altitude
- Does not rely on ADS-B or Radar
- UAV surveillance tracking provided to ATC in standard radar format or ADS-B
- No equipment required on-board the UAV
- Local direct connection or deploy remotely via LTE
- See and Avoid display for Pilot in Command (PIC)

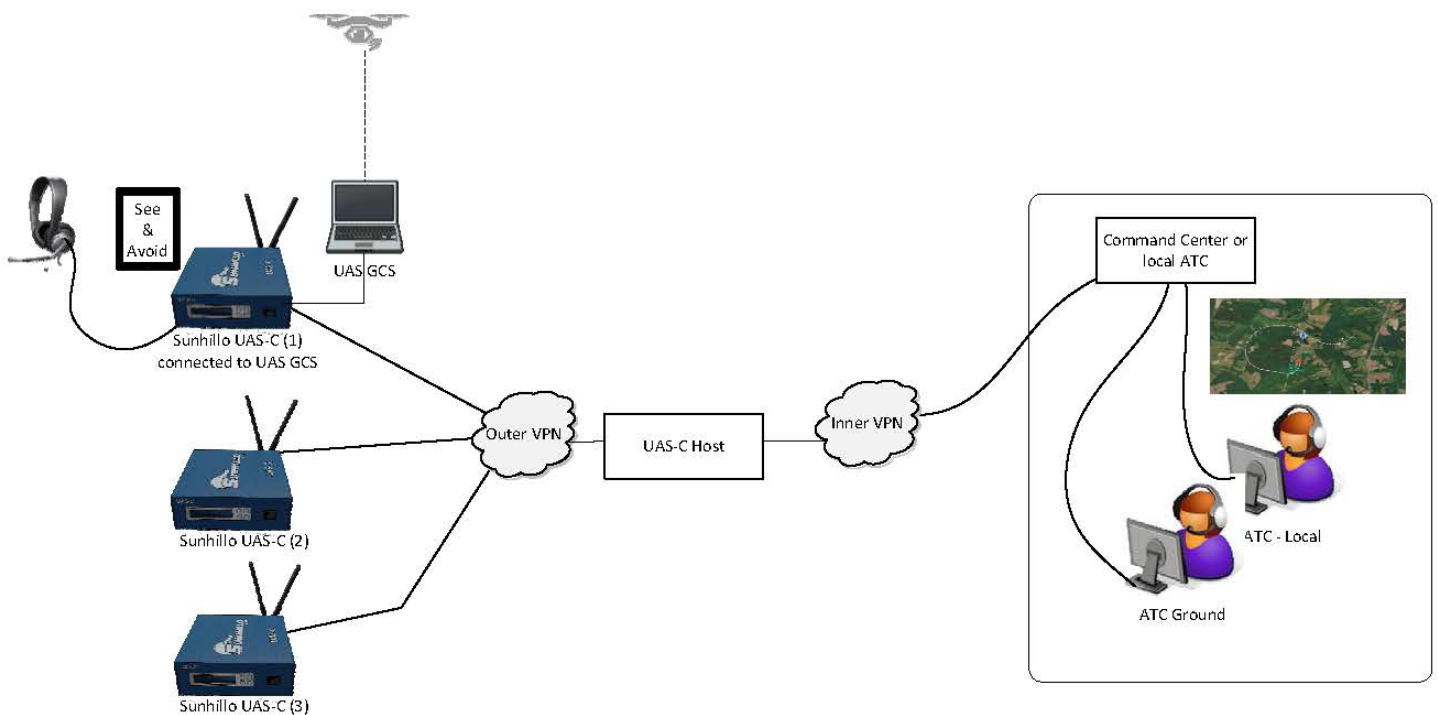
Radar and ADS-B) in the immediate area as well as sending the location of the UAV to ATC or a local command center.

### Who is the UAS-C Solution for:

- PIC looking to track UAV's without any on-board equipment
- Operators who want to track UAV's via a command center
- Full surveillance integration of UAV's and aircraft in a local ATC Tower or command center
- Any PIC looking to fly in controlled airspace or BVLOS
- To track smaller UAV's that cannot be tracked by radar
- PIC who needs a See and Avoid display of all local aircraft for situational awareness



## UAS - ATC Surveillance using the UAS-C



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