



Overview

SkyFYX combines a high precision WAAS GNSS sensor with an integrated RAIM processor. Resilient against jamming, spoofing and GPS range errors—SkyFYX provides reliable navigation in challenging environments. SkyFYX is the most affordable ADS-B rule-compliant position source companion for the echoUAT ADS-B transceiver.

The SkyFYX meets the performance requirements of 14 CFR 91.227. For use in Experimental and LSA aircraft.



Features

- Performs in low sensitivity or high GPS multipath areas.
- Battery backup fast TTFF.
- Directly connects to EchoUAT transceiver.
- UTC timing output for multiple uses including UAT ADS-B medium synchronization.
- Integrated RAIM processor for Security and Integrity Protection.
- Advanced jamming and spoofing detection.
- Uses SBAS corrections and health messages to detect and correct satellite range errors.
- Satellite pseudo-range step errors detected and excluded.
- SBAS fast and long term corrections applied.
- Patents pending.

Technical Specifications

Specification	Value	
Input Power	11-33V DC	
Size	61x65x13mm	
Weight	36grams	
SDA/SIL	2/3	
Operating Temp	-45 to 80°C	
Sensitivity		
Tracking	-166dBm	
Reacquisition	-160dBm	
Cold Start	-148dBm	
Hot Start	-156dBm	
Quality		
SDA	2	
SIL	3	
NIC	7–0.2NM	
NACp	11 – EPU < 3meters	
NACv	1 – 10 m/s	
COM1 Interface		
Protocol	NMEA + RAIM	
Physical	RS232 115200bps	







Typical Configuration

Connections

Pin	Туре	Rate
1	Ground	
2	Power	11-33V
3	RS232 Out	NMEA
Molex 0436450600		

Mechanical Specification



