ADSB SUPPORT

FLIGHT TRACKING

VIA ADS-B NETWORK SOLUTION

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Flight Tracking

VIA ADS-B NETWORK SOLUTION

With a dedicated ADS-B network solution covering an airport, highly useful terrestrial data can be provided for tracking ground movements:

- On/off block times
- Take-off/landing times
- Parking locations
- Taxi movements

The ADS-B network solution is specifically made for short-range, high-precision flight following and accommodates the most optimal collection of terrestrial data. The industry-grade ADS-B receiver utilizes a special filter, which can filter out frequency interference from other sources, such as cellular networks etc.

Proprietary Information

The ADS-B Network Solution is owned and operated by ADSB Support. All issues regarding ADS-B network management, ADS-B network updates- and monitoring and faulty equipment are handled by ADSB Support.

Certifications

- CE
- FCC
- CAN ICES-003(B)
- EN IEC 62368-1:2020+A11:2020
- ESTI EN 300 440 V2.2.1 (2018-07)
- ESTI EN 301 489-1 V2.2.3 (2019-11)
- ESTI EN 301 489-3 V2.3.2 (2023-01)

Environmental compliance

Disposal of the ADS-B network solution is made by ADSB Support in compliance with WEEE environmental regulations.

Security

The ADS-B network solution utilizes security levels comparable to other industry standard security solutions based on a hardened Linux operating system. Public access to the network is not possible and data is delivered to a secure, redundant ADSB Support server (plug'n'play security). ADSB Support will cooperate with you as an ADS-B network solution partner on any security-related issues.

Installation

Installation of the ADS-B network solution is made by ADSB Support or an by ADSB Support appointed subsidiary.

Technical specifications

Hardware

- External power supply 100 ~ 240V, approx. 5 watts operating consumption
- ADS-B antenna input impedance: 50 Ohms, SMA connector
- ADS-B antenna surge protection (external): max. surge discharge current 10 kA (8/20 µs)
- Hardware platform: Raspberry PI 4 BCM2711B0 quad-core A72
- Ethernet type: Cat. 5e, 10/100/1000 TRXCOM RJ45 connector