

TECHNICAL DATA

ADS-B Messages:

- Message format: DF=18 (non-transponder)
- Code format: CF=1
- Address: 24-bit non-ICAO address
- Messages: Surface Position Identification
- Average Transmission Period:
 - Surface Position: 0.5 s when moving
5 s when stationary
 - Identification: up to 8 letters/digits

Power Supply:

- Voltage: 10.0 to 32.2 V DC
- Current: max. 0.2 A @ 12.0 V

GPS Receiver:

- Type: L1 Frequency, C/A Code, SBAS
- No of channels: 50
- Signal acquisition: 40 s (typical value, good sky view)

Transmitter:

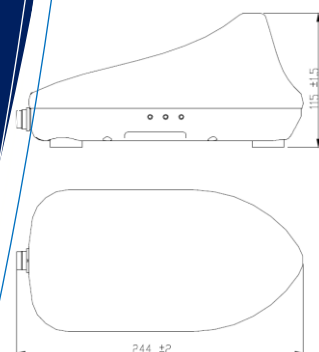
- Frequency: 1090 ± 1 MHz
- Power: ≥ 10 W

Environmental:

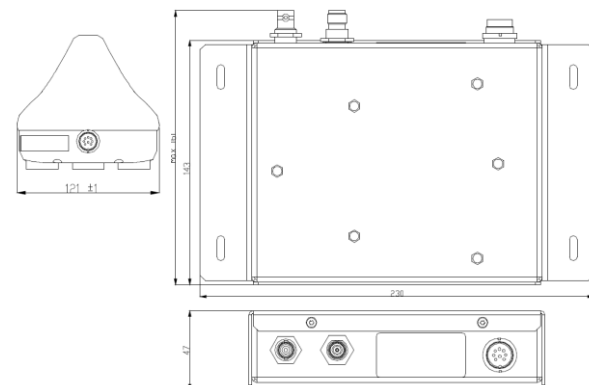
- Operating temperature: -40°C to +70°C BAV6215-(20)/(30)
-20°C to +70°C BAV6215-(21)
- Storage temperature: -55°C to +85°C

Physical:

- Dimensions: approx. 244 x 121 x 112 mm
BAV6215-(30): 230 x 161 x 47 mm
- Weight:
 - BAV6215-(20) approx. 625 g
 - BAV6215-(21) approx. 800 g
 - BAV6215-(30) approx. 600 g



BAV6215-(20) and -(21)



BAV6215-(30)

BECKER
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BAV6215 Vehicle Tracking Systems

Efficient surface traffic management for your airport

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AREAS OF APPLICATION

SITUATIONAL AWARENESS IMPROVEMENT

GROUND TRAFFIC MANAGEMENT

RUNWAY INCURSION PREVENTION

VEHICLE OPERATION COORDINATION
AND OPTIMIZATION



compatible with
ATLASS



ADS-B TRAFFIC LOCALIZATION
& SURVEILLANCE SYSTEM

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INNOVATION FOR YOUR MISSION

GLOBAL AIR TRAFFIC IS INCREASING AT AN EXPONENTIAL PACE. EXCELLENCE, QUALITY AND RELIABILITY IS BECKER'S RESPONSE TO THIS DEMANDING CHALLENGE.

Becker Avionics has been developing, producing and servicing Air Traffic Control equipment and ground communications systems worldwide for over 45 years.

Becker's development activities are driven by a quest for Excellence, Quality and Reliability and pre-requisite knowledge, derived from many years of field experience. Factory and on-site training is always kept in focus to offer customers the highest reliability and availability for their system.

AIRPORT SURFACE TRAFFIC

Made visible for your mission

COMPACT ADS-B EQUIPMENT

The BAV6215 unit is a **compact and fully autonomous ADS-B Transmitting Subsystem** intended for installation on **ground vehicles operating in airport areas.**

The unit periodically reports the position and speed of the vehicle, thus providing **valuable information for airport ground traffic management.**

BAV6215 can be easily positioned on the car roof with magnets, or it can be permanently fixed. Maintenance and configuration is done via a USB interface.

INNOVATIVE DESIGN

The unit includes a GPS receiver with patch antenna which provides position and velocity data for the unit. Position and velocity data is processed and transmitted according to DO-260B standards at 1090 MHz.

This makes the **vehicle visible to ground stations and to aircraft equipped with 1090 MHz ADS-B receivers.**

In addition to position, speed and heading data, each unit also reports its identification code, thus allowing easy recognition.

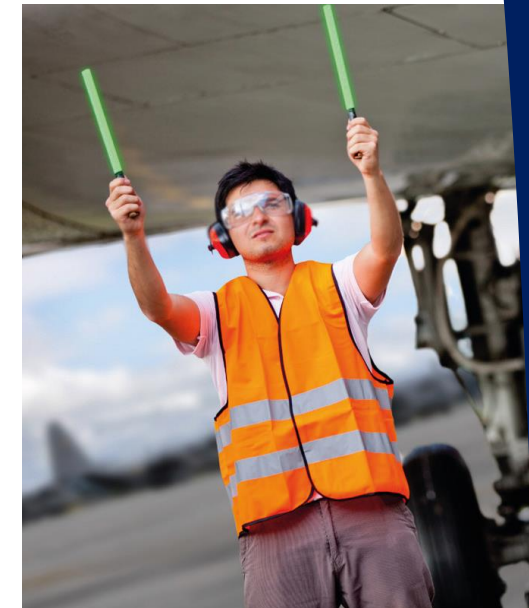
COMPATIBLE WITH ATLASS

The **integration** with the Becker Avionics **ADS-B Traffic Localization And Surveillance System (ATLASS)** constitutes a complete and ready-to-go system, when combined with the ATLASS SURFACE solution package.

Every ADS-B Out equipped aircraft and ground vehicle periodically transmits information about its identity, position, altitude, speed and status.

ADS-B makes flying significantly safer for the aviation community and paves the way for extended air traffic surveillance coverage, and also gives the ability to efficiently track surface traffic on airports.

Becker's solution in this field is the new series of BAV6215 vehicle tracking units.



BAV6215 VEHICLE TRACKING UNITS

Your solution for efficient ground traffic awareness

INSTALLATION SOLUTIONS TAILORED TO YOUR NEEDS

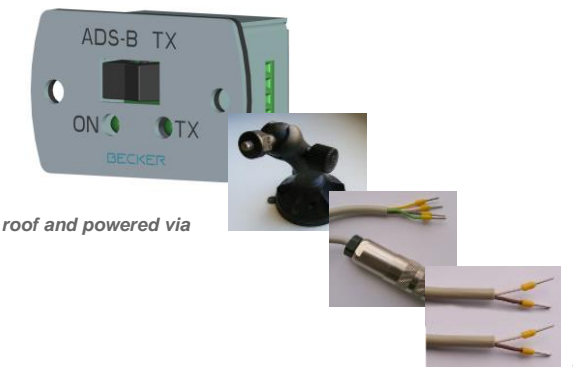


BAV6215-(20)

Intended for semi-stationary installation, positioned on the car roof and powered via the vehicle electrical system.

A complete ready-to-go set includes (P/N IS6215-20):

- Transmitting unit in plastic housing
- Control panel (to be installed in the vehicle cockpit)
- Window mounting with suction cup for the control panel
- Cabling



BAV6215-(21)

Transmitting unit in plastic housing intended for mobile applications, positioned on the car roof and powered via the internal battery.

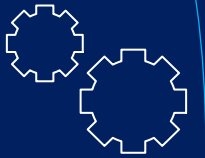


BAV6215-(30)

Intended for stationary installation, positioned inside the car and powered via the vehicle electrical system.

A complete ready-to-go set includes (P/N IS6215-30):

- Transmitting unit in metal housing
- Control panel (to be installed in the vehicle cockpit)
- Window mounting with suction cup for the control panel
- External antennas and cabling



INTEGRATION

Air traffic services require efficient, secure, modern and user friendly communication systems. Rely on our integration capability and wide network of partners.



SYSTEMS

Fast, secure and reliable communication solutions are the basis for safe flight operations. Use Becker's expertise for your system design.



PROJECTS

Benefit from Becker's multiple references in ATC systems for your project.