AES-201

Airborne Equipment Set for Accord-201 Airplane

The airborne equipment set (AES) is intended for installation on a light airplane or helicopter with one or two engines. The set enables VFR flights to be performed by crews of one or two pilots. The equipment se meets FAR-23 requirements.

The flight control displays provide a clear presentation of the airplane attitude, altitude and speed parameters as well as of the necessary navigational information from the ADF and GNSS system during the enroute flight. They also provide backup display of the engine and common aircraft equipment operation parameters should the MFD fail.

If additional equipment is connected, information on the course and glideslope from the ILS system, VOR and DME is displayed, along with a display in the synthetic vision mode if an infrared camera (EVS) is installed.

The multi-functional display shows necessary operations parameters of the engines, oil, fuel and electrical systems. A navigation frame contains a moving electronic map or the area or terrain with the current aircraft position, information on the current route, aeronautic objects and man-made obstacles overlaid on it.

All the information is sunlight readable.

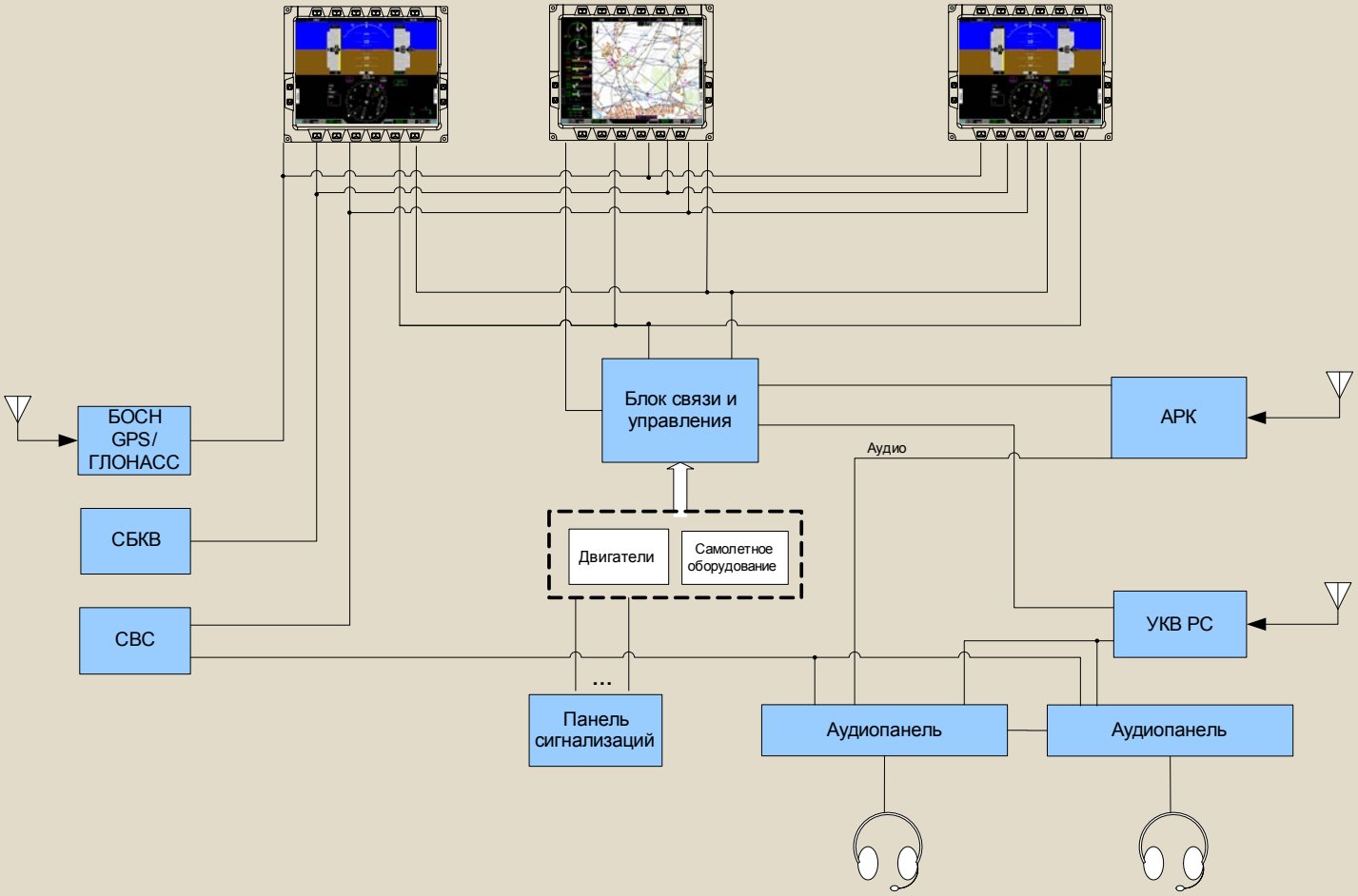
The reliability of receiving and displaying information is ensured by the use of a fully redundant engine communication unit with independent measurement channels, by the information display redundancy.

The equipment set has a mass of 25 kg (without cables) and consumes 300 W. All the equipment is fully incorporated in the dashboard.

ZAO TRANSAS performs complete integration of the airborne equipment set in the aircraft including adaptation of a communication unit and display facilities for a particular engine type.

THE SET INCLUDES:

- electronic display system of 3 TDS-12 MFD's (two MFD's if there is one pilot);
- TEM-201 communication and control unit with a backup;
- TSS airborne GPS/GLONASS satellite navigation equipment
- two TAP-201 audio panels;
- LT-4000 enunciator panel;
- AHRS500 attitude and heading reference system with the magnetic heading sensor;
- AC32 air data system;
- RT 3209 radio station;
- automatic MF RA 3502 ADF;
- ADF signal converter.



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