

Integra-Planet-4D Integration Platform



Integra-Planet-4D Integration Platform provides for effective comprehensive protection and management through the integration of security subsystems into a single whole. The system is capable of providing real-time centralized monitoring of an unlimited number of facilities, controlling the status of any facility, from a simple sensor to a hardware and software complex, as well as of automatic managing video surveillance, access control and traffic control and other subsystems.

Integra-Planet-4D can be used to work both with small sites, for example, single buildings or mobile facilities, and with geographically distributed or extended sites, such as cities, regions, states. This system is used at railway stations, bridges, hydraulic structures, ports, tunnels and other strategically crucial objects of a State.

It enables unifying an unlimited number of objects into a single security system, which allows for solving the problems of transportation infrastructure and provide comprehensive protection of important state objects.

Technical specifications

- Open-source operating systems*
- Open information exchange protocol
- Cross-platform operation
- 3D picture
- Data transfer channels encoding
- Digital signature
- Unlimited number of objects
- Unlimited distance between objects
- TCP/IP data transfer protocol
- Unlimited number of work spaces

* Russian Federation government decree dated 17 December 2010 No. 2299

Functionality

- 4D measurement: 3D – using three-dimensional object models with reference to their geographical coordinates on the ground; 4D - time. As a result, we get a product, designed to visualize changes of the objects and state of the equipment in time with an ability of both viewing the events to happen before in different time scales and forecasting the future ones
- Integrating any equipment with open protocols
- Connecting an unlimited number of subsystems and modules
- Geographic information systems have a function of layer stacking as a cartographic sub base, which allows for adding GIS data to ranges of interest
- Objects, sensors, cameras and other devices with reference to their geographic coordinates
- Video picture with reference to geographic coordinates
- Tracking
- Displaying underground and overground facilities, monitoring of their state
- Creating managerial reports, data processing and presenting any objects of the system as graphical schemes and diagrams
- Displaying physical and logical connections between all devices of an object
- Dynamic setting of system behavior depending on the situation
- Supporting user authorization via LDAP
- Comprehensive monitoring of subsystems' state

Subsystems



Video surveillance



AMCS



SFA



Perimeter security



Radiation protection



Antichemical protection



Notification system



Lights control



Utility system



GLONASS, GPS



Road traffic control



112 system