



Remote Sensor Control System

AYESAŞ Remote Sensor Control System (RSCS) provides capability to control Remote Radar Heads (RRH) with full functionality on user friendly GUI.



RSCS provides three operational modes

- Degraded Slave Mode (Only monitoring of Radar Data/Plot)
- Slave Mode (Limited Radar Control)
- Master Mode (Full Radar control)

RSCS displays radar plot/strobe/area/sector data on Map and GUI.

RSCS establishes the interface between Radar and RIS LAN using CLF formatted messages.

Specifications

- Runs on PC based Hardware Platform (COTS)
- Linux Operating System
- Consists of two monitors:
 - one for radar control, configuration and status information GUI
 - one for graphical data display/input on/from the Map
- Modular design which allows addition of new RRH types
- Capability to connect to and control maximum 16 radars simultaneously
- VMAP Level 0 detailed map with general map display and management functionalities
- Full logging capability
- Time synchronization
- Message validity checking
- Ability to handle following Message Groups:
 - Command & Control Messages
 - Radar Data & Status Messages
 - Plot & Strobe Messages
 - Master Controller Messages
 - Network Management Messages

Advantages

- User-friendly Graphical User Interface for Remote Sensor Control
- Multiple radar selection from a full list of the RRHs
- Open architecture software
- Easy installation
- Easy maintenance of hardware system
- Reduction in maintenance duration and staff training costs