



ATR Server

Automatic Target recognition server for STANAG 4609 streams

Neuronics ATR Server, is a field proven flexible ATR solution. The ATR interfaces different detectors modules including interfacing of third party detectors modules. The ATR supports on the fly switching and addition of detectors modules, geo-registration correction and metadata addition according to VMTI / MISB 0601.X metadata standards. The ATR server has tracking capabilities and supports tracking and requiring of hidden targets.

Neuronics STANAG ATR Server Key Features:

- Nvidia accelerated - full support of Nvidia GPU and DLA video processing and neural network acceleration features.
- Airborne configuration - low processing light version operating on the UAV and high-performance version for ground server systems
- Standard compliance: fully compliant with the STANAG 4609 / VMTI / MISB 0601.X metadata standard
- Low latency: real-time processing of the video, which enables detection and tracking without delaying UAVs operation
- Multi-object recognition: simultaneously detection and tracking of multiple targets within a single STANAG 4609 stream. Supports hidden target tracking
- Integration: designed for easy integration with larger C4I systems including third party players DVRs and transmitters and detectors
- Scalability: ability to simultaneously handle a high volume of STANAG 4609 streams
- Alerts and reporting: for specific targets or events of interest are detected