



FLV-10 Flight Viewer

2nd edition

Product Overview

The Filbico Flight Viewer FLV-10 2nd edition with TAPAS software (Tailored Application Platform for ATC Solutions) is modern application designed to support flight controllers (TWR, APP, ACC) in their activities.



Radar data processing and presentation

- Automated radar detection and configuration
- Automated and manual scenario configuration (receive, recording, presentation etc.)
- ASTERIX data graphical and tabular presentation
- Radar data, ADSB, MLAT (including Mode S), weather data analysis and presentation
- Radar sensor performance analysis (probability of target position detection)
- Surveillance data received in ASTERIX protocol presentation (icons, labels)
- Monoradar service messages processing
- Mode S data processing (GICB and Extended Squitter)
- Plots, tracks, stobes presentation and labels configuration
- Online and offline data processing and filtration
- Presented tracks, plots, stobes and radar sources colors adjustment
- Statistical data concerning received tracks, plots, stobes data presentation
- Independent recording of multiple data sources/streams
- Simultaneous recording and presentation of currently received data
- Export of recorded data to external formats

Map background

- Presentation of vector and raster map data sets
- Import of vector maps (shp, geojson, kml, etc.)
- Supporting tools:
 - cursor coordinates display and distance measurement
 - map layers display and description configuration
 - map operations (scroll-in, scroll-out, zoom-in, zoom-out etc.)



FLV-10

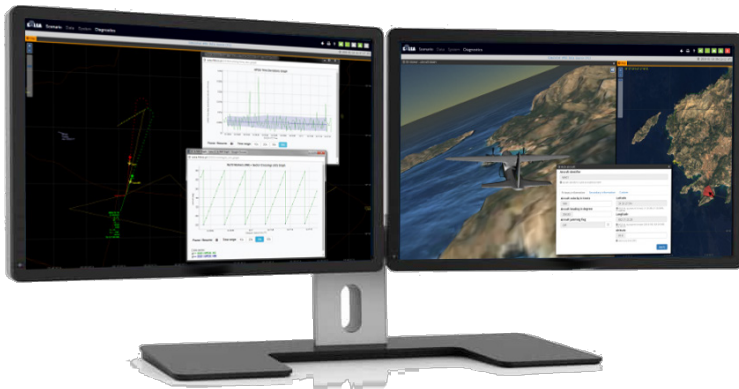
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Flight Viewer

Training capabilities

- Radar data simulation:
 - 2D & 3D visualisation
 - Simulated trajectories graphical editor
 - Customizable ASTERIX output
 - Realtime modification of simulated aircraft parameters
 - Surveillance data in the form of targets, monitoring messages etc.
- Radar data reply:
 - Independent replay of multiple data sources/streams
 - Import of recorded data from external formats



System architecture

- Single or multi workstation deployment
- User privileges (user, administrator)
- Per user display customization

Software environment

- Operating system Linux CentOS 7

Interfaces&Protocols

- Interfaces:
 - RS-232/422
 - Ethernet 10/100/1000Base-T
 - Ethernet IEEE 802.3ab
- Protocols:
 - RFC768 UDP
 - HDLC FRAME [1]
 - HDLC LAPB [1]

Single workstation HW recommendation

- GeForce GTX1060, Processor Intel® Pentium i7, 512GB SSD, 16GB RAM

Multi workstation HW recommendation

- GeForce GTX1060, Processor Intel® Pentium i5, 256GB SSD, 16GB RAM

Software development standards

- Quality ISO 9001
- AQAP-2110
- AQAP-2210 Per user display customization

Delivery

- HW & SW (single or multi terminal) with OS and TAPAS installed
- Date of delivery:
 - up to 4 months for single terminal
 - after detailed requirements agreement for multi terminal
- Software license
- Software recovery DVD

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ISO 9001:2015
AQAP 2110:2016
AQAP 2210:2015
Certificate of ICS
NCAGE
License of MOIA
FSC 1st Level Secret
FSC 1st Level NATO SECRET

