



EMEREC DEVS – “Command and Control” installation

EMEREC DEVS is an integrated system aimed at support the driver of a vehicle under poor visibility conditions and meets or exceeds the following standards:

- NFPA 414/2012
- FAA advisory circular 150/5210-19a
- FAA advisory circular 150/5210-25

The DEVS system consists of three main functions:

- Navigation with moving map display
- Tracking including incursion detection, warnings & geo-fences
- Vision Enhancement

EMEREC DEVS runs on a ruggedized EMEREC Tablet computer mounted in the cab of the vehicle. The “Command and Control” version provides an uplink to the EMEREC datacenter via 3G/4G or WLAN and supports a fully automated synchronization of available static and dynamic data in the rescue organization. This allows a smooth communication between all EMEREC DEVS installations and the headquarters.

Additional included features:

- synchronization to EMEREC datacenter (allows communication between applications)
- EMEREC Office administration software for central data management
- EMEREC Pilot tracking application for installation in the headquarters
- live tracking of all equipped trucks in digital map
- interactive map for situation control including drawing function & measurements
- Embedding & sharing of additional data sources, like Hazmat procedures, building plans, crash tables, etc. (no additional external readers required)
- Aircraft database (as provided by ARFFWG)
- Intelligent search function for all content (e.g. aircraft types, locations, etc.)
- Webcam feature & recording for documentation
- Digital checklists and messaging function
- Full screen FLIR integration possible
- Dual screen support
(e.g. driver sees navigation instructions while officer is looking for different content)

Hardware installation

- Getac F110 rugged tablet PC
 - Intel i5-6200U 2.30GHz CPU
 - 4GB RAM & 128GB SSD
 - Resistant against shock and vibration
 - MIL-STD-810G, MIL-STD-461F and IP65 certified
 - Extended operating temperature from 6°F to 140°F
 - 11,6" LumiBond sunlight readable display (800cd/m2)
 - Multitouch Touchscreen & Digitizer
 - 2x battery (hot swappable)
 - 8 megapixel camera & HD webcam
 - Embedded WLAN, LTE modem and GPS receiver
 - Windows 10 Professional preinstalled with 3 years warranty
- Vehicle docking station for Getac F110 tablet PC
 - Vehicle Dock & Replication and 11-16V, 22-32V DC
 - External antenna switch for LTE, WLAN and GPS (auto-switch-over)
 - Interface extension (VGA, 4xUSB, 2xCOM, LAN, Audio-Out, Microphone)
 - RAM mount
 - roof antenna for signal enhancement
- High accuracy GPS/GLONASS receiver and roof antenna
 - Including required cables
 - allows GPS accuracy +/- 40" (exceeds standards)
- Video server for FLIR streaming
 - Live view of FLIR video with up to 30fps
 - MPEG-4 compression
 - Allows video embedding into DEVS application
- 2nd dashboard screen as additional information source



The tablet installation allows the working and situation control even the truck is not powered. The screen size is the perfect compromise of usability without covering the windscreen area and limiting the driver's view.

Note: SIM card for 3G/4G data communication is not included in this package

System integration

An onsite training at the airport is included with an overall training time of 24h covering the following main topics:

- system installation, activation and documentation
- Administrator training for data management
- User class room(s) for all included features
- Hands-on training on live application

The customer has to provide airport specific data for map preparation, based on geo referenced satellite images and CAD files of the airfield and surrounding (up to 1 mile) area, including the local routing information and restricted areas. If no customer supplied files are available, the system will be enabled with files a default routing network based on Google Maps and Open Street Maps.