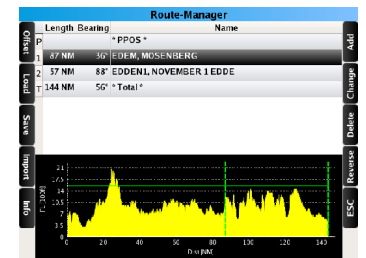
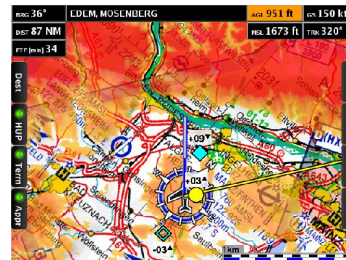




AirScout LSA Moving Map



The AirScout LSA Moving Map is an affordable moving map system for light and sports aircraft (LSA). The AirScout LSA is a self-contained, rugged, panel mount system with a built-in high precision GPS receiver. The system integrates a variety of maps, with user selectable overlays such as ATC, approach maps, terrain, traffic (FLARM, ADS-B). The AirScout LSA increases your situational awareness, improves safety and quickly helps you convey position and target information.

The integrated route planning displays the terrain height along the route. Routes planned with desktop flight planning software can be imported.

The AirScout LSA is easily installed in any standard 160mm mounting system. Only power (28V or 14V-DC) and antenna needs to be connected.

USA

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AvioScout Mission

Technical Data

- Supply voltage: 9VDC to 32.5VDC
Nominal 14V-DC, 28V-DC
- Current Consumption: Typical with max. brightness
1.6A at 14V
0.8A at 28V
- Standby (Off Mode): 0.04A at 14V
0.02A at 28V
- Internal Fuse Protection: 5A Fast-Blow, SMD Nano Fuse
- Operating Temperature: -30°C to +55°C
(short time +70°C)
- Storage Temperature: -55 to +85°C
- Operating Altitude: ≤ 25,000 feet
- Crash Safety: Cat. B
- Vibration Resistance: Cat S Curve M (fixed wing)
- Humidity (RTCA DO-160G):
 - Interfaces: Cat. A / +50°C 95%, 48H
Micro-SD card in the front
D-sub 50W Male: USB, Ethernet, VGA out
 - D-Sub 43W2 Male: Power, GPS, GSM,
external dim-bus inputs for
14V and 28V
4 * RS232, 3 * RS422
- Qualification: DO-160G
- Certification: none
- Dimensions: 136 * 160 * 90mm
(5.35" * 6.30" * 3.54")
- Unit Weight: 1,8kg (3.153lb)
- Mounting Tray Weight: 0.25kg (0.551lb)
- Accessories
 - Airframe GPS Antenna
 - Cockpit GPS Antenna
 - Connector Kit (Crimp)
 - Connector Kit (Solder)
 - Mounting Tray

Computer Details

- CPU: Intel Embedded Atom N455
1.66GHz Single Core
- DRAM: 2GB DDR3
- Solid State Memory: 16GB SATADOM

Display Details

- Type: Active Matrix TFT
- Active Screen Size: 6.5" Diagonal
- Screen Resolution: 640 X 480 (VGA)
- Supported Colors: 16.2M / 262k Colors
- Surface Treatment: Glare AR, Anti Reflective

GPS Receiver Details

- Frequency: 1,575.42MHz L1 C/A Code
- Channels: 32 Parallel
- Sensitivity: -158dBm
- Position Accuracy: 3.3m CEP
- External GNSS Antenna
 - Airborne Antenna: 2.5VDC
(Antenna not included)
- Nominal Impedance: 50Ω

GSM Module Details:

- Transmit frequency: GSM 850/900/1800/1900
- Maximum RF power: 2W
- Receiving sensitivity: < -106 dBm
- Protocol: GSM / GPRS phase2/2+
- SIM card size: Standard SIM