

AirScout - LSA Digital Map System



Light and Sport

Overview

AirScout-LSA is an integrated single-block digital map system for supplementary navigation purposes, featuring a 6,5" high contrast active matrix VGA-display and 32-channel GPS-receiver.

Based on professional databases and zoomable aviation, topographical and approach charts in North-up or track-up mode, the pilot is provided with all relevant flight information including dynamic terrain warning, navigational parameters and, if interfaced with TCAS or FLARM, traffic information.

Also, if not certified for primary navigation, this cost-efficient and easy-to-install tool significantly increases situational awareness and flight safety.

All functions are intuitively and directly accessible via 10 backlit, high tactile feedback buttons with functional assignment and status visualization on the display legends.

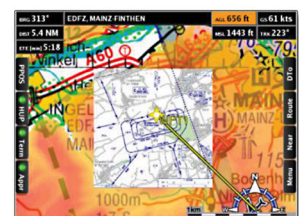
Flight plans can be filed on the system or being imported from external devices by using the front USB-port, which is dedicated to map uploads and software updates also.

The operational temperature range from -30° to 55°C and DO-160G qualification including extensive resistance to vibration and shock enabling operation of the system also in harsh environmental conditions.

Switching in between metric and imperial units, implementation of customer-specific maps and data bases besides options for software customization supporting efficient utilization of AirScout-LSA at nearly any place on the world.



ATC-MODE



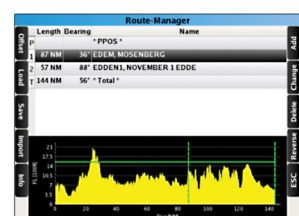
APPROACH-MODE



FLARM/TCAS-MODE



FLIGHT PLANNING-MODE



ROUTE MANAGER-MODE

AirScout - LSA Digital Map System



Light and Sport

GENERAL

Supply Voltage	9...32,5VDC
Current Consumption	1.6A @ 14V 0.8A @ 28 V
Internal Fuse Protection	5A
Operating Temperature	-30...+55°C/+70°C short time
Storage Temperature	-55...+85°C
Operating Altitude	< 25,000ft / 7.620 m
Qualification	DO-160G
Certification	none

COMPUTER

CPU	Intel Embedded Atom N455 1.66 GHz Single Core
DRAM	2 GB DDR3
SSM	SSM: 16GB SATADOM

DISPLAY

Type	6,5" Active Matrix TFT
Screen Resolution	640 x 480
Supported Colors	16.2M / 262k Colors
Surface Treatment	Glare AR, Anti Reflective

GPS

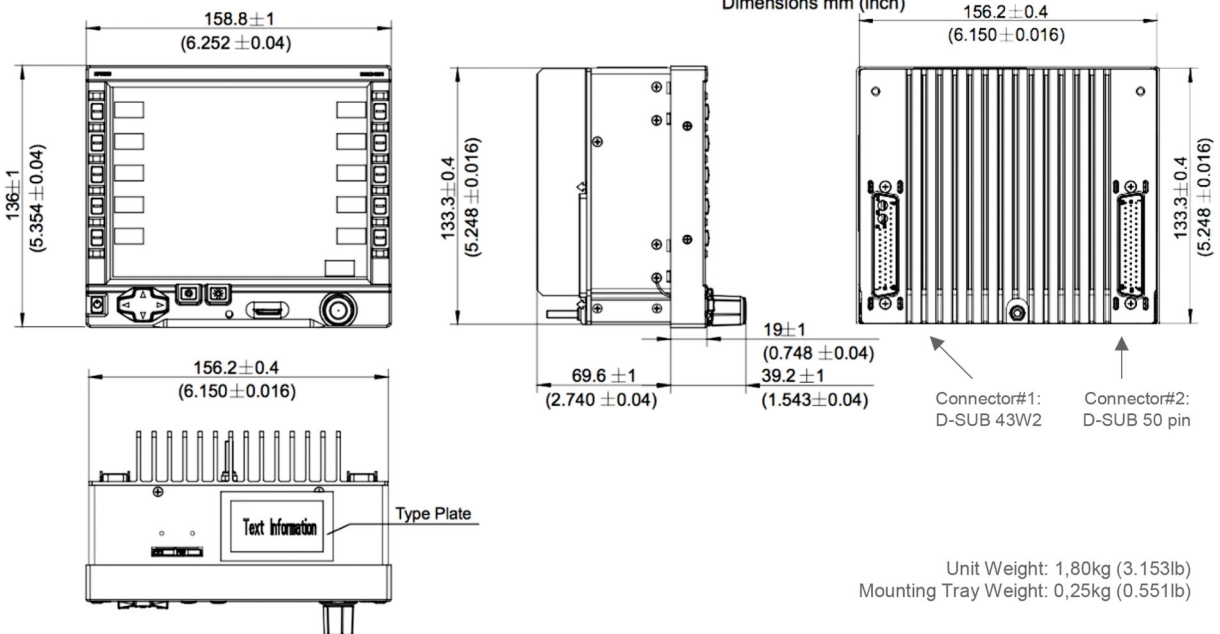
Frequency	1,575.42 MHz L1 C/A Code
Channels	32 Parallel
Sensitivity	-158 dBm
Position Accuracy	3.3 m CEP
Ext. GPS Antenna	2,5VDC Airborne Antenna
Nominal Impedance	50 Ohm

GSM

Transmit Frequency	GSM 850/900/1800/1900
Maximum RF Power	2 W
Receiving Sensitivity	< -106 dBm
Protocol:	GSM / GPRS Phase 2/2+
SIM Card Size	Standard SIM

ACCESSORIES:

Connector Kit (crimp)
Connector Kit (Solder)
Mounting Tray
Ext. GPS Antenna
Cockpit GPS Antenna



Unit Weight: 1,80kg (3.153lb)
Mounting Tray Weight: 0,25kg (0.551lb)