



# SV 2000

## ADS-B RECEIVER

### 1090 MHz (ES)

INTEGRATED EQUIPMENT WITH HIGH ACCURACY AND GREAT COVERAGE FOCUSED ON ADS-B TECHNOLOGY



EFFICIENCY & QUALITY, OUR WAY!



# Technical specifications

Performance	
Frequency Receiver	1090 MHz
MTL	-88 dBm
Dynamic Range	-90 dBm to 0 dBm
Internal GPS Receiver Resolution of Timestamp	12.5ns
FPGA + ARM Based Platform	Real-Time Data Processing Dual Core ARM Cortex-A9 (up to 667 MHz) 512MB DDR3 64 MB Flash
Interfaces	
RF antenna Input	1N Female Connector; 50 Ohm
RF GPS Input	1N Female Connector; 50 Ohm
Ethernet	x1 RJ45 1000Base-T; ADS-B Data x1 RJ45 1000Base-T; Control (Web Server)
Serial Port Control	USB-C ; USB 2.0 (Maintenance)
SD card	Secondary storage support (Debug files, statistics, ...)
LEDs	Fault indication (Power Supplies, GPS and Status)
General	
Power Supply	x2 Universal 85-264Vac; 47-63Hz x2 48Vdc x1 5V (USB-C)
Power consumption	< 10W
Operating Temperature	-10°C to 45°C
Humidity	90% Max. (no-condensing)
Dimensions	1U rack unit
External LNA	
Frequency	1090 MHz
BW	30 MHz
Max level	0 dBm
Gain	Selectable: 14dB±1dB (@5V DC) 30dB ± 1dB (@9V DC)
Current Consumption	Max. 150mA
Operating Temperature	-40°C to 85°C