GNS
ELECTRONICS

Product Summary
HULC

World wide first Smart ADS-B Antenna for Raspberry Pi

Top performance ADS-B smart Antenna for professional use

▶ Best-in-class sensitivity & frame rate

▶ No "doughnut effect"

▶ USB connector

▶ Lowest system costs

Low Power

Cost Effective

High Sensitivity

HULC

Operation Mode	
Mode-S	●
ADS-B	●

Interfaces	
USB	1

Compatibility	
Supported Devices	All devices with USB interface running ADS-B feeding SW with USB / AVR support

PRODUCT DESCRIPTION

The GNS HULC (**H**igh sensitivity **U**ltra **L**ow power **C**ombo) smart antenna is the top-notch ABS-B feeding solution at unbeaten price / performance ratio. Reception sensitivity, framerate and range easily exceed competitive solutions at a fraction of system costs. HULC realizes this exceptional performance with a highly matched state of the art active antenna system combined with cable- and connector-less direct link to the ADS-B receiver module. The compact water and dust resistant housing facilitates continuous superior reception quality without weather caused degrading.

The low power consumption makes HULC much more eco-friendly than any comparable solution.

Made in Germany

HULC

▶ FEATURES

Receiver type	Tuned radio frequency receiver for 1090 MHz Mode-S / ADS-B
Sensitivity	-95 dBm
Internal Antenna	Active folded dipole

▶ ENVIRONMENTAL DATA, QUALITY & RELIABILITY

Operating temperature	–20 °C to +70 °C
Storage temperature	0 °C to +70 °C
RoHS compliant (lead-free)	

▶ ELECTRICAL DATA

Power supply (Vdd)	4.0 V to 5.5 V
Digital I/O voltage level	Vdd
Power consumption	75 mA

▶ INTERFACES

Serial interfaces	USB A, (baudrate 3000 kbit/s)
Protocols	ASCII (AVR-Format, HULC protocol)

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Further information
For technical or commercial request, visit www.gns-electronics.com
For more product details and ordering information, see the product data sheet.

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