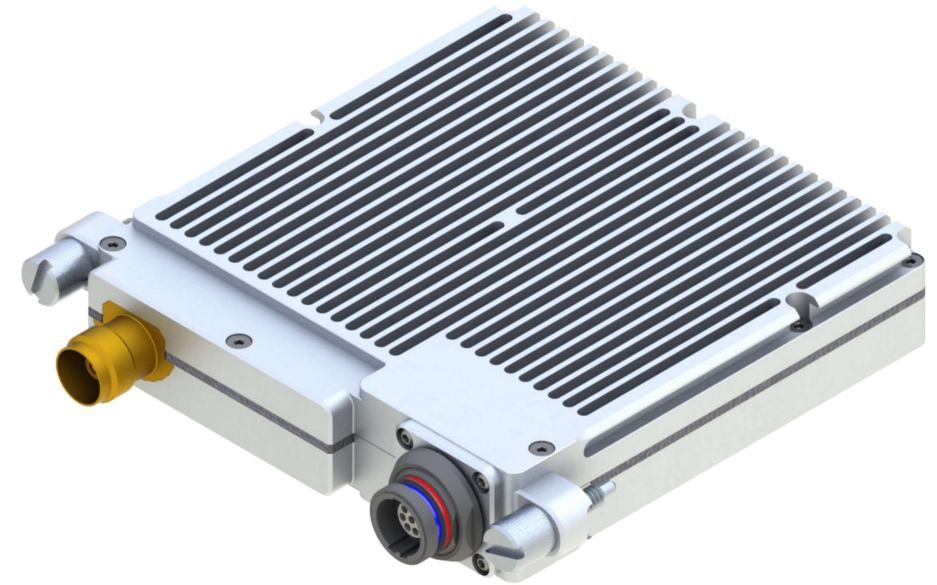




ZPX-R

Mode 5 Receiver

The uAvionix ZPX-R is a passive Mode 5 Identification Friend or Foe (IFF) and civil Automatic Dependent Surveillance – Broadcast (ADS-B) receiver system which provides situational awareness of civil and military aircraft in the airspace or on the battlefield. The low Size, Weight, and Power Consumption (SWaP) characteristics make the ZPX-R ideal for airborne and shipboard deployments, as well as temporary or permanent ground-based installation. The system's design is based on common hardware and software deployed in the AIMS Certified uAvionix RT-2087/ZPX Mode 5 nanoIFF transponder.



Specification	Value
Input Voltage/Power	37-57 VDC POE 350mA Max
Size	88 x 79 x 20 mm
Weight	100 grams
Operating Temp	-45° to 71° C

Transponder	
ADS-B MTL	-76 dBm ±2 dB
Mode 5 MTL	-86 dBm

Altimeter	
Range	TSO-C88b compliant to 35,000 ft. 35,000 – 60,000 ft, ±1% max error

Host Interface	
Rate	802.3 af 10/100Mbps
Protocol	VRS, JSON, ASTERIX CAT021

Position Interface	
Baudrate	115,200 bps RS-232
Protocol	uAvionix OEM Protocol

KIV Interface	
AIMS 04-900(A)	Option B

Options	
uAvionix ZPX-G SIL 3 Position Source	
NSM Crypto Emulator	

