







HORIZON

MULTI-NETWORK RADIO

Horizon is a multi-network radio for attritable unmanned operations, enabling resilient LOS/BLOS control, telemetry, and tasking in contested environments. It keeps your unmanned systems connected and controllable no matter how far they need to go.



KEY OPERATIONAL CAPABILITIES

- 
AUTOMATIC LINK MANAGEMENT
 Automatically transitions from LOS to BLOS within seconds of link degradation for uninterrupted command and control.
- 
MAVLink COMPATIBILITY
 Native MAVLink support to integrate quickly with common autopilots, GCS, and autonomy workflows. Plug & play integration.
- 
BLOS COMMAND & CONTROL
 Send and receive mission-critical data over SATCOM: telemetry, mission plan updates, flight mode changes, and waypoint control.
- 
TAK INTEGRATED
 Automatically routes UxS telemetry and mission data into TAK and other mission systems via API-driven integrations.
- 
MANAGE RF SIGNATURE
 Rapidly configure Horizon to LOS-only or BLOS-only to match posture to mission phase and threat environment.
- 
ATTRITABLE BY DESIGN
 Compact form factor and weight optimized for multi-domain unmanned systems in denied, degraded, and disconnected environments.

ACQUISITION PATHWAYS



DIU / BLUE UAS



SOCOM UxS PROGRAMS



AFWERX / TACFI

SNAPSHOT SPECS

GENERAL			
<i>Dimensions</i>		112mm x 51mm x 18.8mm	
<i>Weight</i>		5.5oz.	
NETWORKING			
<i>LOS / frequency / data rate</i>		LoRa / 902-928MHz, 863-868MHz / 62.5kbps	
<i>BLOS / frequency</i>		Iridium* / 1616-1626.5 MHz <small>*Inquire for alternative satellite constellations</small>	
POWER			
<i>Supply voltage</i>	<i>Peak Current Draw (mA)</i>		<i>Mean Current Draw (mA)</i>
6	925		350
9	650		250
12	500		190
13	465		175
SECURITY			
<i>Encryption</i>	AES-256-GCM	<i>Hardware secure enclave</i>	Arm CryptoCell 312
ENVIRONMENTAL			
<i>Operating Temp</i>	-40°C - 85°C	<i>Shock & vibration</i>	MIL-STD-810H

