

HONEYWELL VERSAWAVE

The world's lightest and most compact satellite
communication system for UAV, UAM, and vehicles



Honeywell

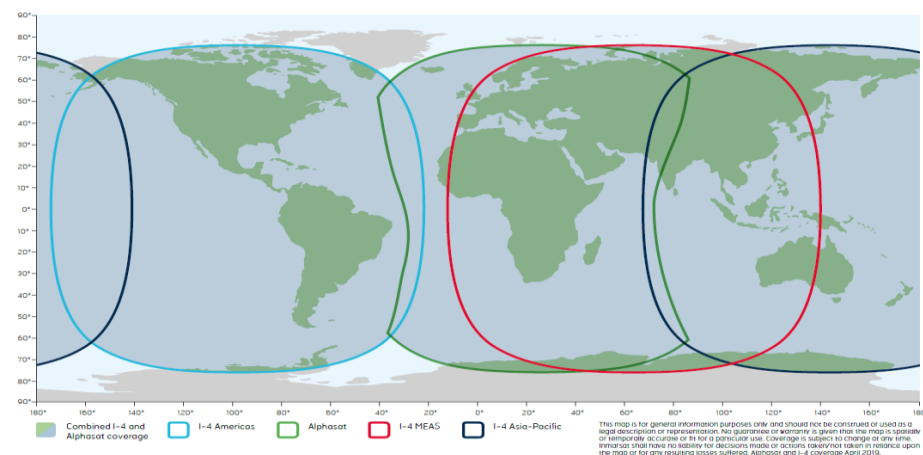
VERSAWAVE TECHNICAL SPECS

SPECIFICATIONS	
Terminal Class	15
Max Data Rate	200 Kbps
Tx Power	11.4 dBW
Coverage	Immersat Broadband Global Area Network (BGAN)
Internal GPS	Yes
Satcom Connectivity	IP Background Data Streaming 8, 16 and 32 Kbps
Cellular, WiFi, BlueTooth	Yes (Global Cellular)

POWER	
Standby (Connected to Network)	17 W
Typical (100 Kbps)	44 W
Maximum	53 W
Recommended Power Supply	28 V
SIZE	
SATCOM Data Unit	5.1" x 3.4" x 1.9"
Antenna	5.6" x 4.4" x 2"

No hosted video compression

VersaWave + 5G Hardware	
	
WEIGHT	
SATCOM Terminal with Antenna	VW+5G - 1.07 KG (2.3 lbs) Legacy VW - 1.0Kg (2.2 lbs)



INTRODUCING VERSAWAVE

- Smallest and lightest airborne SATCOM terminal on the market
- Utilizes Inmarsat's worldwide L-band network for resilient BVLOS connectivity in any environment
- Cellular (5G, 4G, 3G) capability for low latency, low-cost connectivity when available
- Global cellular capable (eSIMS)
- On-board processing available
- Added Wi-Fi & Bluetooth connectivity for remote configurations
- Auto-failovers between networks
- Single LRU design and small antenna
- Low-cost Connectivity solution in production today.
- Increased shock/vibe/cooling

**SMALL, LIGHTWEIGHT, WORLDWIDE
COMMUNICATIONS TODAY**



A pair of hands is shown from the bottom, gently cradling a glowing Earth globe. The globe is illuminated from the right, showing the Americas and parts of Europe and Africa in a golden-brown hue. The background is a dark, starry space with a bright, out-of-focus light source on the right side, creating a bokeh effect. The overall mood is futuristic and protective.

The world's smallest and lightest SATCOM solution
HONEYWELL VERSAWAVE

KEY BENEFITS

FEATURES AND BENEFITS



Stream real-time video in 720p HD and 1080p HD still images

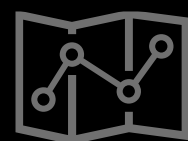


Improved mission situational awareness



World-wide coverage enabled by five Inmarsat GEO satellites

- Supports airborne, maritime, desert, austere and mountainous operations
- Environmentally resilient L-band comms
- 2023+ polar region coverage (I-6 constellation)



Internal GPS for position data

Cellular Connectivity supporting LTE (5G, 4G, 3G)

Wi-Fi & Bluetooth Connectivity for Remote Configuration



Small, lightweight Equipment – 1.1 Kg TOTAL

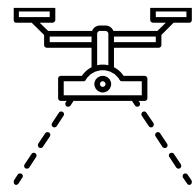


Simple integration with user platforms

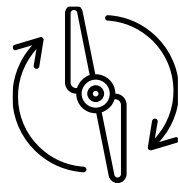


VERSAWAVE APPLICATIONS

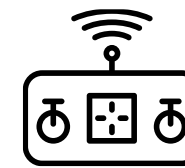
SIMPLE TO INTEGRATE TO ANY ASSET OR PLATFORM THAT REQUIRES BLOS COMMS



Small UAS BLOS communications for C2 and Data



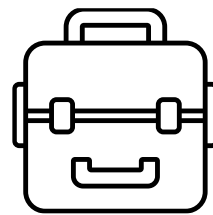
Small Manned ISR or special mission platforms such as Caravan or King Air



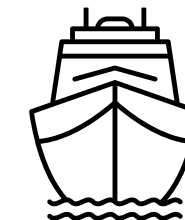
Tactical or Non-standard vehicle communications



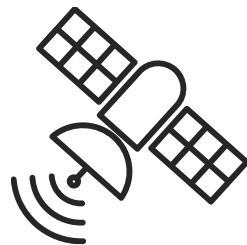
Wildfire C2 and remote survey aircraft communications (rotary and fixed wing)



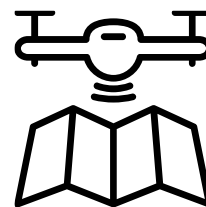
Small Fly-away communication kits (Pelican case)



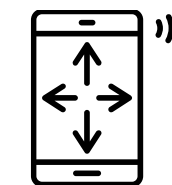
JADC2/ABMS BLOS connectivity for ground, air or maritime assets



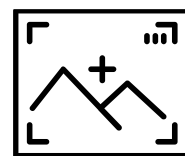
BLOS connectivity for range/lab testing and demonstrations (e.g., unattended sensor)



SATCOM for low signature ground, maritime or airborne platforms



Demonstrated ability to integrate with MANET and cellular networks (USAF demo)



Ability to stream ATAK data, provide BLOS SA



Cellular Connectivity supporting LTE (5G, 4G) and legacy 3G along with Wi-Fi and Bluetooth



On-board processor to seamlessly manage datalink

THANK YOU

For more information contact

Mark Hedden, Honeywell Aerospace
Services and Connectivity
Director Defense Sales
Mark.hedden@Honeywell.com
+1(850) 694-1857

Honeywell Aerospace

1944 East Sky Harbor Circle
Phoenix, AZ 85034
aerospace.honeywell.com

xxx-xxx-xxx-xxx | 08/22
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**THE
FUTURE
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THANK YOU

For more information contact

Mark Hedden, Honeywell Aerospace
Services and Connectivity
Director Defense Sales
Mark.hedden@Honeywell.com
+1(850) 694-1857

Honeywell Aerospace

1944 East Sky Harbor Circle
Phoenix, AZ 85034
aerospace.honeywell.com

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