

HeraLink

The Most Powerful NDAA Compliant Controller

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HeraLink is not just a controller; it is the key to unlocking the full potential of your unmanned systems, providing an unmatched level of AI computational power, precision, versatility, and reliability. HeraLink is the trusted partner for critical missions whether for commercial, defense, or research applications.



HeraLink Key Features

Unlimited Operation Time

With HeraLink's innovative dual hot-swap battery system, experience uninterrupted control with limitless operation time. Power through extended missions without the worry of downtime, ensuring your focus remains on the task at hand.

Versatile RF Data Link System

HeraLink's exchangeable RF data link system supports leading technologies including Microhard, DoodleLabs, RFD900, and Silvus Technologies, offering unparalleled flexibility and compatibility with a wide range of unmanned systems.

Simultaneous Multi-Link Connectivity

Seamlessly manage direct RF and cellular network links with HeraLink. This simultaneous data link capability ensures reliable, real-time communication and data transmission, even in the most challenging environments.

Integrated RTK Base Station

Precision is paramount. HeraLink comes equipped with a built-in RTK base station, delivering centimeter-level accuracy for navigation and positioning, essential for high-precision tasks and operations.

Advanced Video Management

Command up to eight video streams simultaneously with HeraLink's robust display capabilities. Monitor and control multiple perspectives in real-time, enhancing situational awareness and operational efficiency.

Rugged High-Performance Computing

At the heart of HeraLink is a rugged, high-end Intel CPU-based computer, Getac UX10, built to withstand the rigors of the field while delivering exceptional performance, including the capability to run sophisticated AI algorithms.

External GPU

External GPU such as Nvidia Titan, Nvidia Geforce RTX (RTX 4090) can be seamlessly connected to HeraLink to run heavy AI programs at the edge.

Sunlight Readable Display

Visibility is never an issue with HeraLink's sunlight-readable display, ensuring clear, crisp visuals even under direct sunlight, enabling operators to maintain operational awareness in all conditions.

NDAA Compliance

With NDAA compliance, HeraLink guarantees a secure and trusted solution for all your operations, meeting the strictest standards and regulations.

Innovative Dual Mode Operation

Double your capabilities with HeraLink's dual mode, allowing two controllers to operate simultaneously on one drone. One HeraLink can control the drone, while the other manages payloads, offering unmatched flexibility in mission operations.

Enhanced Training Capability

HeraLink's trainer feature revolutionizes how operators are trained. A trainee's commands pass through a trainer's HeraLink, with the ability for the trainer to take control at any moment, ensuring safety and comprehensive learning.

Customizable Control Layout

Designed with the operator in mind, HeraLink features an extensive array of controls including 7 buttons, 2 joysticks, 2 mini joysticks, 4 switches, 2 wheels, 2 dials, and 2 tactile buttons, all customizable to fit the specific needs of any mission.



HeraLink Specifications

Screen size	A 10.1" touch screen, Wide Viewing Angle TFT LCD WUXG, 1200x1920 resolution, 1000-nit brightness, sunlight readable
Processor, RAM	Intel Core™ i7-1255U Processor Max. 4.7GHz with Intel® Turbo Boost Technology - 12MB Intel Smart Cache, 8GB RAM
External GPU	External GPU such as Nvidia Titan or Nvidia Geforce RTX (RTX 4090) can be connected to the HeraLink to run heavy AI programs at the edge.
Operation time	Unlimited (with two hot swap batteries)
Operation time before hot swapping batteries	3 hours
Computational power	Display up to 8 video streams, 1080p for each QGroundControl, Mission Planner, UgCS, RtR RAGAS
Wireless Connectivity	4G, Wifi, Bluetooth Dual band 2.4GHz, 5GHz
Storage	256GB PCIe SSD Upgradeable SSD: 1TB
NDA Compliant	Yes
Battery charge - Standard mode	Standard mode
Battery charge - Quick charge	Quick charge Up to 3 batteries at a time
Programmable inputs	Trim Limit up, down Dead zone Invert RC Channels assessment
Conventional connector Interfaces	1x USB-C with Thunderbolt 1x USB 3.0 3.5mm Microphone + Headset/Speaker 1x Ethernet
External interfaces	1x UART 1x Ethernet 1x USB 2.0 SPI, I2C
OS	Windows, Ubuntu
Dimensions	14.8" x 9.4" x 3.5" (378mm x 240mm x 89mm)
Weight	6.2 lbs (2.8 kg)



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