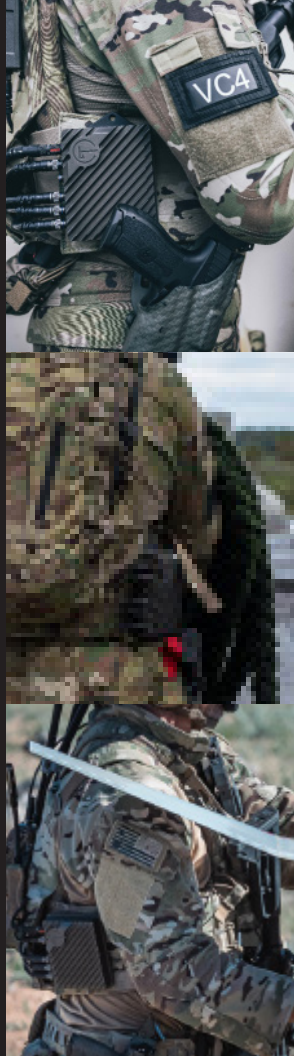
KINESIS

COMMON CONTROL SYSTEM

Kinesis unlocks the power of 20+ unmanned systems from over a dozen manufacturers. Viewable on a single “pane of glass” and controllable from a common UI - all upgraded with new AI capabilities and connected to the tactical network. Kinesis is the next step in body-worn, common control for all your unmanned systems - air or ground. Built to work with your existing kit, Kinesis unifies your unmanned systems fleet into a common operating picture that is networked for team collaboration and enhanced by powerful AI.

KEY FEATURES

- Hands down the smallest, lightest, and most rugged control system hardware available today
- Intuitive, common, and simultaneous control of all your unmanned systems from one “pane of glass”
- Dynamic handoff between multiple connected users unlocking true “many-to-many” control
- Advanced networking delivers all UxV video feeds to connected TAK/ATAK users (KxM required)
- AI processing at the edge provides real-time video analytics of all connected UxVs (KxM required)



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GRIP S20

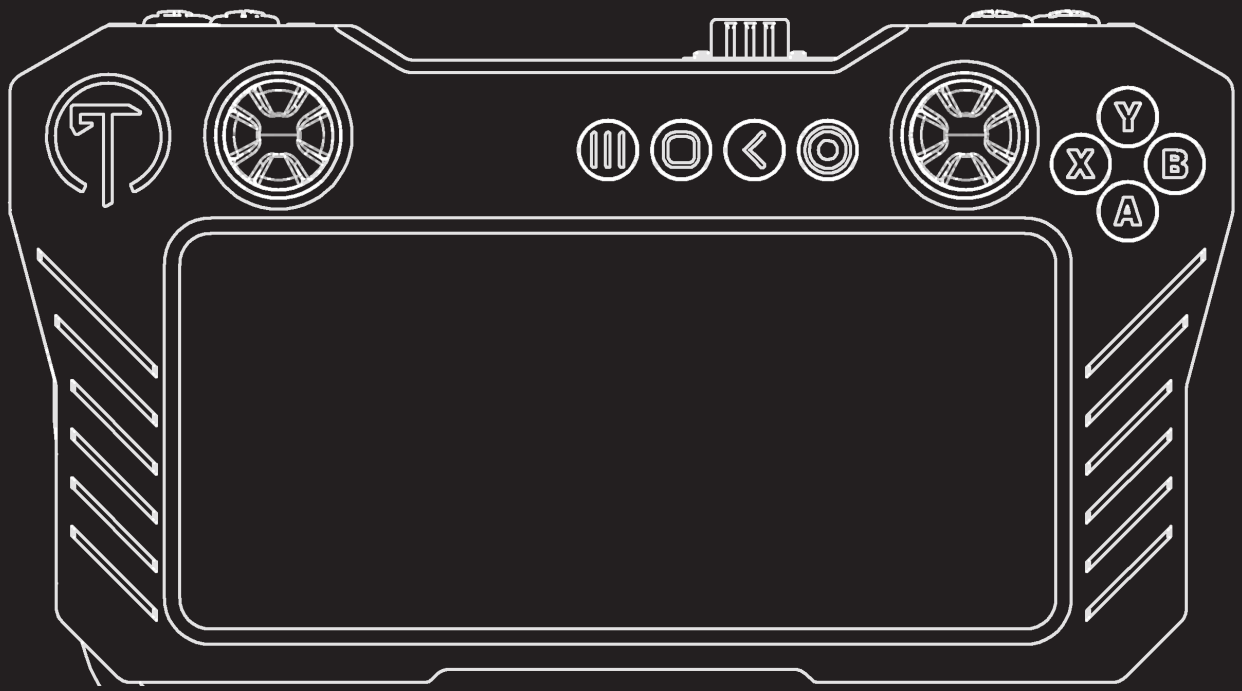
SAMSUNG S20 TE CONTROLLER CASE

Tomahawk Robotics is proud to offer the Grip S20 universal controller with our partners at Samsung, makers of the military smartphone tested and proven by operators – the Galaxy S20 Tactical Edition. Grip S20 is a rugged, metal- clad, controller case for the Samsung Galaxy S20 Tactical Edition smartphone. Grip S20 includes all the military- hardened physical buttons and joysticks you would expect plus the addition of an integrated USB hub that eliminates the need for special cables that charge and pass data in Nett Warrior loadout configurations. Even better, Grip S20 includes an integrated hardware unlock for Kinesis Pro at no extra charge. Simply download the latest version of Kinesis from account.tomahawkrobotics.com and get started with the Kinesis Ecosystem, the most advanced common control system for all your tactical needs.

KEY FEATURES

- Streamlined for light infantry, air assault, and special operations
- Optimized for the proven Samsung Galaxy S20 Tactical Edition EUD
- Integrated USB-C for data transfer and charging without EUD removal
- Extends EUD cold temp range with the integrated heater element
- Proudly designed and built in the USA – NDAA/TAA compliant
- Supports Samsung DeX to enable mounted/dismounted operations

GRIP S20



Included in the Box

Grip S20 with install tool (Torx key) - EUD not included

Kinesis Pro - download from Tomahawk Robotics Account Portal

Grip S20 Versions

Grip S20	3000200-101
Grip S20 Gen2	3000500-101

Suggested Accessories

Cable	NW+ to NW receptacle	TS7-116-44
Cable	NW+ to NW plug	TS7-117-16
Mount	Juggernaul MOLLE mount-FDE	3000220-101
EUD	Samsung S20 TE Phone	SM-G981UZAATTC

Scan the QR Code to learn more about the Grip S20 with our online technical data sheet.

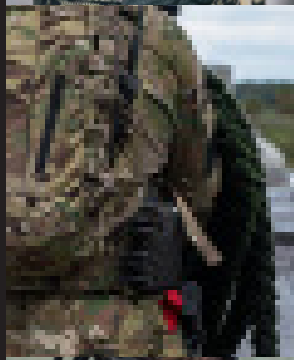
KXM

KINESIS EXPANSION MODULE

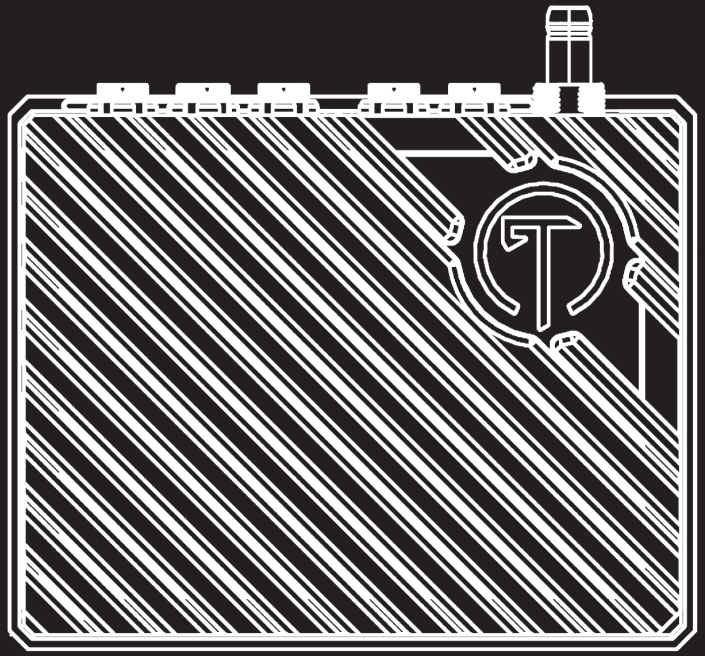
KxM provides users with a ruggedized platform to ingest large amounts of data for high-speed, body-worn computation at the tactical edge, reduce cognitive load, and fuse raw intelligence data for real-time decision- making. Compatible with the Nett Warrior architecture, KxM can host a federated TAK/ATAK server while performing AI-based video classification. Integrate your tactical network and gear with unified power distribution and data management to support a host of ISR, EW, CBRNE, and other critical missions – all from a small form factor, body-worn system.

KEY FEATURES

- Supports the Hyper-Enabled Operator, FCD-W, IVAS, and AISUM program objectives
- Fully managed network switch with Android management app, KxM Config
- Powered Nett Warrior-compliant USB hub with AI edge compute
- Proudly designed and built in the USA – NDAA/TAA compliant
- Kinesis Sim preloaded for unmanned systems training
- Docker Engine for 3rd -party containerized applications



KXM



Included in the Box

KxM with MOLLE mounts (vertical and horizontal) and install kit

Additional software packages and updates available from the Tomahawk Robotics Account Portal

KxM Versions

KxM	3000090-101
KxM Gen2	3000460-101

Scan the QR Code to learn more about the KxM with our online technical data sheet.

VC4

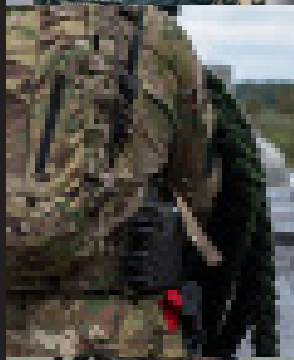
MXC-MINI

MODULAR FAMILY OF DATA LINKS

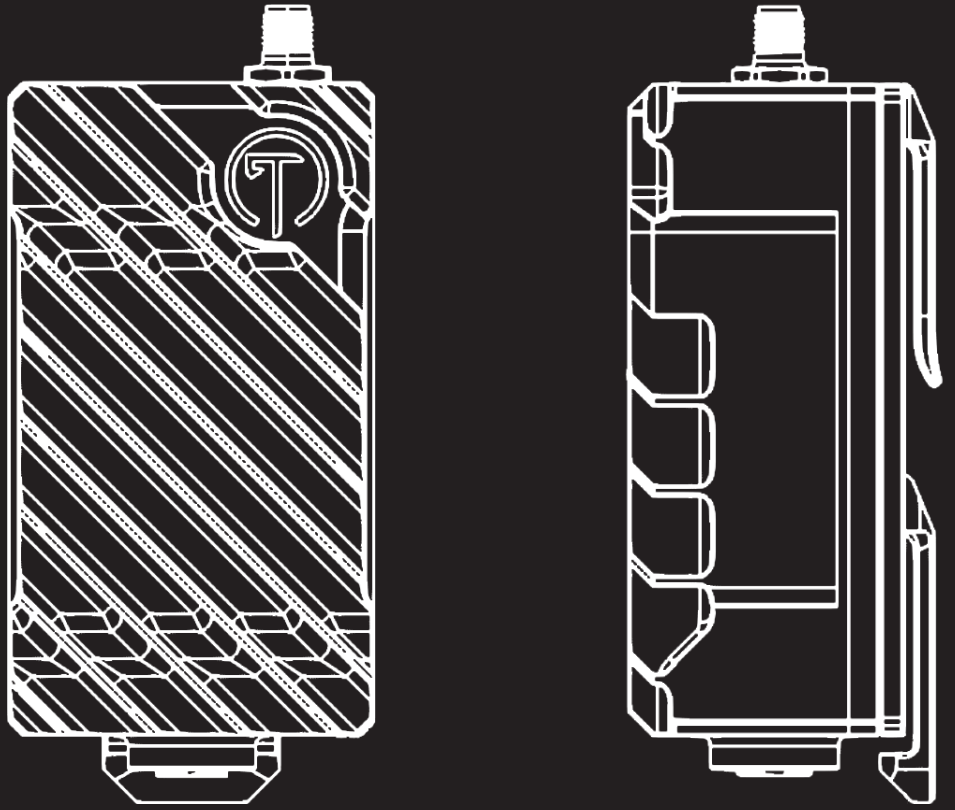
Tomahawk Robotics has extended the Kinesis common control system with a family of Nett Warrior-compliant data links that seamlessly integrate with the leading tactical UAVs and UGVs to create a suite of personal ISR solutions that can be easily tailored to the mission at hand. Pick your unmanned system, strap the corresponding MxC-Mini to your kit, and deploy with the knowledge that your personal ISR system is secure, AI-enhanced, and integrated across the tactical network.

KEY FEATURES

- Streamlined for special operations, light infantry, and air assault
- Nett Warrior compliant for easy mission loadout optimization
- Available with multiple operating frequencies and radio modules
- Proudly designed and built in the USA – NDAA/TAA compliant



MXC-MINI



Included in the Box

MxC-Mini Data Link

MOLLE Mount

Antenna(s)

MxC-Mini Versions

Microhard 1.8GHz - pDDL1800	3000250-1800
Microhard 2.4GHz - pMDDL2450	3000250-2400
Microhard Wi-Fi - pX2	3000250-Wi-Fi

Suggested Accessories

Cable	NW+ to NW receptacle	TS7-116-24
Cable	NW+ to NW plug	TS7-117-16
Cable	NW+ to NW+	TS7-118-24

Scan the QR Code to learn more about the MxC-Mini with our online technical data sheet.

Included in the Box

Mimic
Software updates available from the Tomahawk Robotics Account Portal

Mimic Gen2 Versions

Bluetooth, Nett Warrior Connectivity (EAR99)	3000309-101
Alerion ISW, Bluetooth, Nett Warrior Connectivity (ITAR)	3000310-101
Benchmark ISW, Bluetooth, Nett Warrior Connectivity (ITAR)	3000310-102

Suggested Accessories

Mount	Mimic Gen2 Holster - MOLLE	3000028-101
Cable	NW+ to NW+, Coiled	TS7-190-54
Cable	NW+ to NW plug, Coiled	TS7-161
Cable	NW+ to USB-C	TS7-121

Scan the QR Code to learn more about the Mimic with our online technical data sheet.