

ARTIM

Augmented Reality Tactical Interface Module (ARTIM)



AR Interface



ARTIM



CLIPIR XD Thermal Clip-on System

Intelligent battery pack for ClipIR XD, delivering AR head-up display and ATAK capability for enhanced situational awareness

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ARTIM intelligent battery pack module mounts on the back of the helmet connecting to ClipIR XD to deliver AR and ATAK capability



ClipIR XD Thermal Clip-on System



ATAK on Android End User Device (EUD) with Thermoteknix ARTIM plugin

ARTIM integrates with existing digitalised soldier systems, as well as secure soldier and law enforcement communication networks to offer real-time data sharing and instant situational awareness for collaboration across teams

ARTIM



Operation with Network

Configuration with MANET radio

- ATAK EUD connected to ARTIM to provide pre-loaded or real-time data during mission
- WAN provided using MANET radio via hub
- Real-time data/updates shared with the team across WAN network

Configuration with cellular network

- WAN provided using cellular network



Operation without Network

Pre-mission

- ARTIM pre-loaded with ATAK data prior to mission via ATAK EUD

During mission

- ATAK EUD not required to be connected during mission



Key Features

- ARTIM is an intelligent battery pack for ClipIR XD Thermal Clip-on Systems
- ATAK Plugin unleashes Android Team Awareness Kit (ATAK) capabilities for enhanced situational awareness
- Operates using ATAK either as standalone unconnected or as a fully networked system
- Internal data storage to operate with or without connection to EUD
- Displays real-time routes, markers and Blue Force Tracking in AR
- ARTIM features an AR processor and smart computer
- Very low latency with 60Hz update rate
- AR displayed to user via ClipIR XD fitted to NVG
- Requires 4x or 8x AA batteries – two 4-way carousels with hot-swap for uninterrupted operation
- Up to 24 hours battery life
- External power supply for NVG

ARTIM

Technical Data

Size	102 x 134 x 47mm
Weight	<320g, excluding cable and batteries
Battery	Either 4x AA or 8xAA in two 4-way battery carousels
Battery Life	24 hours
Compass	Integral
GPS	BeiDou, Galileo, GLONASS, GPS/QZSS
Update Rate	60Hz
Interface	USB2
Supported Software	ATAK products (ATAK-MIL & ATAK-CIV) Not included with ARTIM
Compatibility	ClipIR XD



Thermoteknix ARTIM ATAK Plugin



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AR overlay using ATAK data

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