

# 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**

# ARTIM



ClipIR XD Thermal  
Clip-on System



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



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

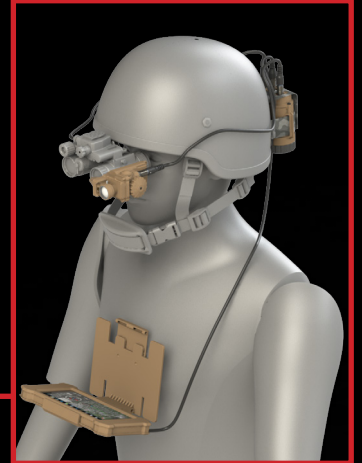
# ARTIM



## 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



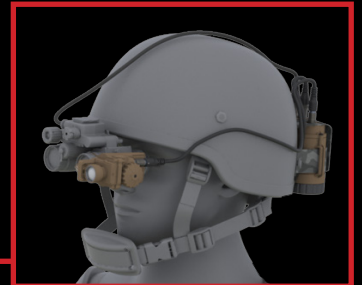
## Operation without Network

### 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

## 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



ARTIM



AR overlay using ATAK data

All trademarks acknowledged. Thermoteknix products are not subject to US ITAR control but may require UK export licence depending on the end-user country and specification. ClipIR XD and ARTIM are designed and manufactured in the UK.

ClipIR XD and ARTIM are not for sale or use in the USA. Specifications subject to change.



### UK Head Office:

Teknix House, 2 Pembroke Avenue  
Cambridge, CB25 9QR, United Kingdom

Tel: +44 (0)1223 204000

Web: [www.thermoteknix.com](http://www.thermoteknix.com) Email: [sales@thermoteknix.com](mailto:sales@thermoteknix.com)