OUR VISION. YOUR REALITY.

Next Generation Augmented Reality



Next Generation Augmented Reality Systems



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battery module with 8x AA **Batteries**

battery module with 4x AA Batteries

VisAR-HUD



Daytime AR HUD

Flexible configurations with or without a network



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Day Operations



Night Operations



Augmented Reality key features

- AR processor and embedded smart computer with GPS providing ultra low latency 60Hz update rate with zero lag
- ARTIM mounts to the rear of the helmet and tracks the user location and direction of sight, delivering a real-time AR overlay to the user
- Real-time routes, waypoints or team members displayed (blue force tracking) •
- Integrates with ATAK and other Battle Management Systems (BMS)
- Flexible configuration options; with or without a network connection
- Internal data storage enables operation with or without connection to End User Device (EUD)
- Displays live BMS video feed from connected sensors, such as a UAV or target location device, either

as Picture-in-Picture or full screen formats

- AR only, or thermal and AR being displayed at the same time







Model	ARTIM	ARTIM-MINI	
Battery	8x AA in two 4-way battery carousels	4x AA	
Size (L x H x W)	134 x 102 x 47mm	112 x 100 x 30mm	
Weight	<320g, ex. cable and batteries	<200g, ex. cable and batteries (additional 100g counterweight optional)	
Operating time (thermal only)	>24 hours	>12 hours	
Operating time (thermal and AR)	>11 hours	>5.5 hours	
Power input	5V		
NVG power output	3V (factory configurable)		
Video input/output	Yes, through ATAK / BMS		
Compass	Internal		
GPS	Internal (BeiDou, Galileo, GLONASS, GPS / QZSS) or external (user selectable)		
AR update rate	60Hz		
Interface	USB 2.0		
Supported software	ATAK / various Battle Management Systems (BMS)		
Environmental	MIL-STD-810G		
Operating temperature	-32°C to +55°C		

FNVG-AR

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mage Intensifier				
Tube Diameter	16mm			
Field of View (FOV)	40°			
Figure of Merit (FOM)	2200 typical (other options available)			
Tube Phosphor	Onyx			
Thermal Imaging				
Resolution	640 x 480			
Pixel Pitch	12µm			
Diagonal Field of View (FOV)	37°			
Man Detection	785m			
Man Recognition	195m			
Man Identification	95m			
Framerate	60Hz			
NUC	Patented XTi shutterless technology with no NUC required			
Operating Modes	Image intensifier only, with or without AR fused image intensifier & thermal, with or without AR			
Fusion Modes	Outline & Full Thermal			
Display				
OLED Display Resolution	800x600			
Thermal/AR Overlay Colour	Full visible spectrum			
Display Side	Right eye			
Weight	<600g (excluding helmet mount)			
Dimensions	103 x 116 x 89mm			

ClipAR

Model	ClipAR
Power supply	Provided by ARTIM or ARTIM-MINI
Size (L x H x D)	92 x 42 x 75mm
Weight	<90g
Display resolution	800 x 600 pixel
Frame rate	60Hz
FOV	40°
Video input	Yes
Compass	Internal
Environmental	MIL-STD-810G
Operating temperature	-32°C to +55°C



ClipIRXD			
Model	ClipIR XD-E	ClipIR XD-B	
Power supply	Provided by ARTIM or ARTIM-MINI	1 xAA battery, ARTIM or ARTIM-MINI	
Size (L x H x D)	95 x 42 x 75mm	108 x 42 x 81mm	
Weight	<110g	<150g (inc. battery)	
Operating time	N/A	>3 Hours (1x AA battery)	
Detector	640 x 480 LWIR		
Frame rate	60Hz		
FOV	40°		
Video input	Yes		
Start-up time-to-image	<1 second		
Compass	Internal		
Man detection	580m		
Environmental	MIL-STD-810G		
Operating temperature	-32°C to +55°C		

Vis<mark>AR</mark>-HUD

Power supply	Provided by ARTIM or ARTIM-MINI	
Size (L x H x D)	110mm x 77mm x 97mm	
Weight	<150g	
Display Type	OLED, monochrome	
Resolution	800 x 600 pixels	
Brightness	6000 cm/m2	
Frame rate	60Hz	
Mount	Left or Right Eye (User Changeable)	
AR Display FOV	40°	
Video input	Yes	
Compass	Internal	
Environmental	MIL-STD-810G	
Operating temperature	-32°C to +55°C	





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