



ORION

Cost affordable solution to increase tactical dismounted commander's effectiveness & situational awareness

Orion provides lightweight, flexible, agile and familiar solution to enable augmented orientation and enhanced awareness. Orion replaces old-style paper maps, file folders and paper documents, providing self-positioning, mission planning, navigating and terrain analysis with ease and simplicity. Orion also eliminates the need to carry heavy guide booklets and written protocols, having this information digitally available with a touch of a finger.

MAIN ADVANTAGES & FEATURES



Full GIS mapping engine



Positioning & Navigation capabilities



Powerful Terrain Analysis capabilities



Networked and non-networked (offline) full functionality



Built in vector mission planning sketcher



Runs on any commercial or rugged Android hardware



Size, Weight and Power oriented



3D models and Augmented Reality display



TECHNICAL SPECIFICATIONS

HARDWARE

	Orion	Orion plus
Size:	5.7 - 6.7 inches	8 - 10 inches
Weight:	±200g	±450g
Resolution:	1080 x 1920 or better	800 x 1280 or better
OS:	Android	
Memory:	Internal - 32 - 128 GB, 3 - 8 GB RAM microSD, up to 512 GB	
GPS:	Yes, with A-GPS, GLONASS, BDS	
NFC:	Optional	
USB:	Type-C	
Sensors:	accelerometer, gyro, proximity, compass, barometer	
Battery:	Non-removable Li-Ion 3600 - 4500 mAh battery	
Charging:	Fast battery charging	
Battery life	Approximately 72h	

SOFTWARE

Mapping Tools:	Topographic Maps, Orthophoto, Command and Control maps, Geographic information layers
Terrain Analysis Tools:	Line Of Sight Analysis, Range Card, Viewshed, Height points display, Height Map, Shaded Map
Sketch Tools:	Military Symbols, Lines, Arrows, Points, Polygons, Text, etc.
Navigation:	Self Location, Track Planning, Track Analysis, Navigation track logging
3D Capabilities:	3D Geographic terrain model, Photorealistic models, Sketch Display on 3D Models
Augmented Reality:	Map and database entities AR View
Information Storage And Retrieval:	Documents, Training Manuals, Operator Manuals, Database Based search

ADDITIONAL AND COMPLEMENTARY CAPABILITIES

- An ideal solution for large scale deployment
- System updates, deployment and economy fleet management in both online and offline modes
- Supports integration of both in house and third party applications
- Built in data logging and debriefing capabilities
- Optional organic VR module
- A variety of security solutions for every classification level required

This publications is for general information only, Asio Technologies reserves the right to alter the product specifications without prior notice