



# Hawkeye Land Systems





System head is mission POD agnostic allowing for modular expansion and in-field swapping of sensor PODs.

Output data can be integrated into existing battlefield management systems or be used with Chess' existing GUI and C2 systems.

Surveillance POD houses daylight and thermal cameras, long range LRF, laser pointer and edge computing. The edge computer allows processing of the data at the edge giving the user image classification, target tracking and auto-prioritisation modes.

GNSS and UNI provides system with highly accurate navigation and targeting data. The system can revert to 'UNI' mode and still achieve highly accurate target data in GPS denied environments.

Digital architecture provides efficient and timely management of data providing the use with essential decision-making information.

Target designator mission POD provides space for a designator and SWIR camera allowing the user to prosecute targets up to 10km away.

Highly accurate and responsive azimuth and elevation actuators give unprecedented levels of targeting accuracy. The system is certified to TLE CAT 1 as a result.

Power and data management via digital outputs allowing data to be sent to the where it's needed as quickly as possible.

# HAWKEYE LAND SYSTEMS

Having a visual image of both hostile and friendly forces, at a range that enables the commander to make informed decisions and is an essential element of modern ground operations.

Hawkeye is a family of advanced multi-sensor surveillance and targeting systems from Chess Dynamics that provides this visualisation capability. The systems provide comprehensive 24-hour surveillance and target identification in a broad range of operational scenarios and tactical applications.

The Hawkeye family of systems employs the latest image processing and system automation techniques to reduce dependence upon operator time and skill, thereby reducing workload and training requirements.

Based upon common system architecture, the Hawkeye family provides a flexible approach to surveillance that enables different applications to be accommodated, whilst employing standard operating procedures, a low training burden and an integrated support philosophy.





## SURVEILLANCE

- Target Classification
- Joint Fires Terminal
- Mast Mounted
- Target Location
- Video Tracking
- Video Analytics
- Image Processing
- Video Recording
- Georeferencing
- Laser Range Finder
- Ruggedized processing

## COMBAT

- Long Range
- Track & Engage
- Target Handoff
- Low Power
- Networked Video
- Georeferencing





### Hawkeye Fixed Surveillance (Fixed Electro Optical Surveillance System)

Hawkeye Fixed Surveillance is a heavy duty, extreme range surveillance system. This system has been specifically designed for use in the harshest environments to provide 24 hour long range surveillance. Ideally suited to land and coastal surveillance applications, it is easily integrated into a range of leading ground surveillance radars providing reliable long-range detection and positive identification.



### Hawkeye Vehicle Surveillance (Mobile Electro Optical Surveillance System)

In this configuration, Hawkeye's cameras and director are mounted on a hydraulic/pneumatic mast. If ground surveillance radar is specified, this can be mounted together with the director on the mast orzz separately. Control is achieved through the use of ruggedized processor PCs with TCP/IP outputs, allowing for local and/or networked control.



### Hawkeye Air Defence (Air Defence Electro Optical System with optional radar)

Control of the system is achieved through the use of ruggedized processor PCs with TCP/IP outputs, allowing for local and/or networked controlsurveillance.





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