

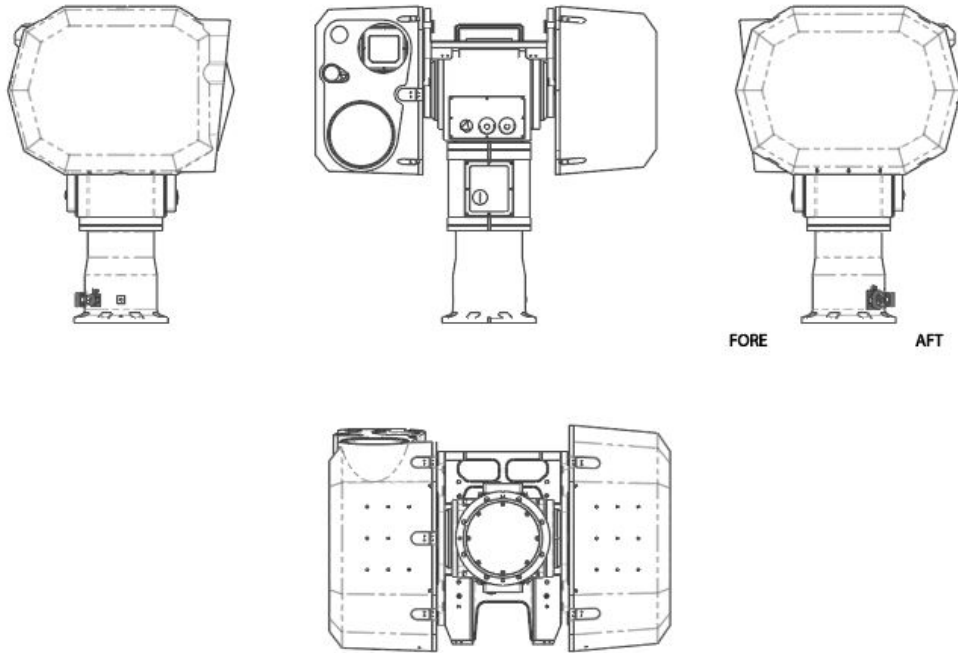
Hawkeye Multi Sensor (MS) Data Sheet



Hawkeye MS Multi Sensor

The Hawkeye MS is Chess' latest electro-optical surveillance, reconnaissance and targeting system for the land domain in the land domain, building on the combat proven Hawkeye Vehicle Systems for long range detection, reconnaissance, surveillance and targeting. Designed for easy installation, this system can be integrated on to any tracked or wheeled vehicle and is suitable for fixed or mobile installation. The modularity also allows for additional payloads to be added, therefore expanding the systems capabilities. Hawkeye MS can be configured at an operating base for different mission fits and profiles using the common core positioner and control system and selecting mission-specific sensors or sensor pods.

- High definition optical sensors (TV, thermal imager) and Laser range finder
- Built-in tracker and modular design supporting mission configurability
- TLE Cat 1 capability and designator pod option



Platform	Viper	TV Camera	36 to 0.75 degrees FOV 720P Resolution at least
Mass	105kg	TI Camera	Horizontal FOV 23.9 to 1.7 degrees Vertical FOV 13.6 to 1.0 degrees 720P Resolution
Size	H: 800mm W: 875mm D: 400mm	Video Processing	Yes
Swept Radius	Azimuth: 1060mm Elevation: 625mm	Designator Pod (Option)	The Laser Designator is in accordance with STANAG 3733, SWIR TI
End Stops/Range of travel	Azimuth: 360° Elevation: +65° to -45°	Typical use	Vehicle installation - High accuracy target observation and tracking for land based targets
Voltage	18-32VDC MIL-STD1275E Compliant		
Power	1.5 KW peak		
Control interface	Ethernet		
Sensor suite	TV, TI, LRF with additional options for SWIR, Laser pointer, Laser target designator or integrator with mast mount surveillance radar		Rugged PC (GRIP) MIL-1275 Junction Box Surveillance Radar