

Hawkeye Electro-Optical Surveillance System Digital (EOSS-D)

Data Sheet



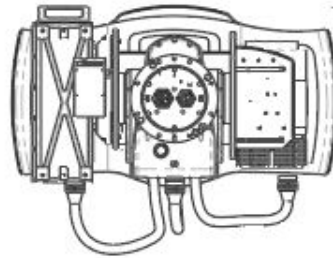
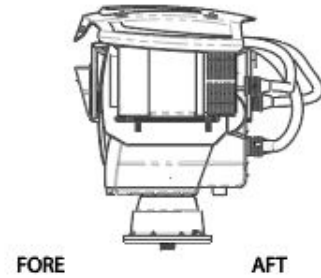
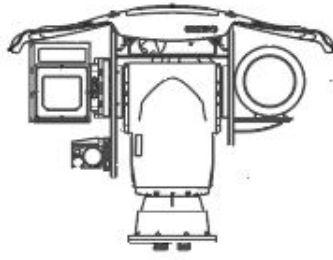
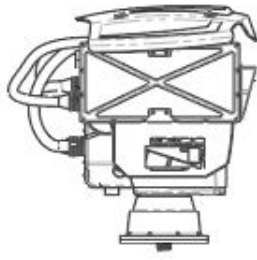
Hawkeye EOSS-D

Electro-Optical Surveillance System Digital

Our Hawkeye EOSS is a powerful surveillance and reconnaissance system that can be mounted in a fixed installation or in a stabilised configuration on vehicles. Its digital architecture allows employment of the latest generation thermal imager and TV camera sensors, and Chess' advanced tracking and target classification algorithms. It delivers superior situational awareness to operators.

Key Features:

- Digital architecture
- High definition sensors
- Options to reconfigure and customise
- Built-in video tracking and target classification
- Reduces operational burden
- Suitable for Fixed or Mobile applications



Voltage	24VDC (18-32VDC)	Classification and Tracking Range (Using either sensor)	Large Drone = 3.2km Helicopter = 10km
Power	<500W		
Interfaces	Power, Ethernet	LRF	Distance = 80m-20km Freq = 1Hz Accuracy = +/- 5m
Components	Positioner & Sensor Payload	Tracker	Integrated within payload. Can track crossing target at 500 m/s. Minimum target distance of 1km
Size (L/W/H)	0.5m x 0.7m x 0.5m	Gyro	Integrated within payload
Endstops/Range of travel	Azimuth: Continuous Elevation: -35° to +65° (Typical - Depends on payload design)	Video streaming protocol	Stabilisation ratio >60 for sinusoidal disturbance of 21°/0.112Hz
Approx Mass	45kg		H264
TV sensor	2.5 to 30° HFOV 1280 x 720p		
TI Sensor	2.5 to 30° HFOV 1280 x 720p		