

SUSS™

SUSS™ is a breakthrough wireless multi-modal surveillance and security system and can be deployed as a stand-alone Unattended Ground Sensor (UGS) or a payload to a UGV (such as Dragon Runner). The primary application for this portable and reconfigurable system is local area tactical military applications for local area security and reconnaissance. The system integrates audio- and motion-detection with a high-power electro-optic day-and-night video-surveillance and motion-detection system. Pan and pitch capability provide for a full hemispherical field-of-view. An external battery-based (BB-xx90 compliant) power-supply allows for extended operations in remote areas, bolstered further by the use of a solar-panel supply for indefinite operational endurance. The ability for rapid multi-unit deployment and control off a backpack with a small handcontroller makes this system ideal for highly mobile and covert operations. Due to its ruggedness and design, it is well suited for outdoor operations with camouflaging/clandestine operations. Additional (e.g. pointing/illumination) payloads can be mounted (Picatinny) & controlled.

The SUSS™ system consists of a thermoplastic shell housing a high-power color zoom camera with motion-detection capability, as well as a heat-sensitive FLIR-camera. The addition of microphone(s) and motion-detectors, give the electro-optic head a wide-range of multi-modal detection, alarm and monitoring capabilities. A wide field-of-view is possible through pan/tilt actuator control. All electronics are housed and mounted for rugged deployment and rated for environmental temperature/moisture extremes. The use of small, high-power cost-effective RF-gear, allows for real-time video and command-and-control links in both commercial and non-commercial frequency-bands. Deployment of multiple units by a single operator is

possible through the use of a small backpack control unit. Automatika's handcontroller (PortaCon) on the same backpack allows for real-time pan and pitch control of the electro-optic head, while monitoring real-time video-feedback and motion and audio-alerts using vibratory and audio-alerts (earbud). External power-units (PowerHaus-compatible) provide for long-duration deployments. Multiple units can be deployed and controlled by a single operator from a single control-unit in a dedicated frequency-band without worry of interference.

SUSS™ is available to law-enforcement and DoD agencies, and is ITAR controlled and subject to U.S. State Department export control regulations.

Specifications

System: Self-contained

- Size: 7.5" Dia x 7.2" H
- Weight: 7 lbs
- Rating: IP-64; 0 to 120°F

Sensors: Multiple

- Color Daylight 10x optical
- FLIR: 320 x 240
- Sound: FWD Mic
- Motion: 3 x PIRs; to 20m

Comms: Analog: Video; C&C

- Modular: Power/Frequency select
- Range: 300m (NLOS) to 1km (LOS)
- Sound: FWD Mic
- Motion: 3 x PIRs; to 20m

Operational Modes: RealTime/Sentry

- Real-Time Video and Sound
- Sentry: Sound and Motion Alerts
- Scout: Video Motion Alert

Power: External: 9-18 VDC; Battery and Solar

- Multi-unit PowerHaus compliant
- Uses any MilSpec xx90 style battery

Deployment: Multiple: Backpack Carried

Control: Hand Controller (PortaCon)

- RT video; graphic overlay; LCD

Payloads: External; Pointer/Illuminator



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