



SYSTEM DESCRIPTION (MRSS SYSTEM COMPONENT) MOBILE TACTICAL VIDEO (MTV) KIT



Millennium Sensor Mobile Tactical Video Kit (MTV Kit)

A self-contained wireless video kit with up to 4 small cameras and wireless triggers. Carrying case contains integrated 4-channel video receiver, 5" LCD monitor and rechargeable power pack. Cameras and triggers contain standard MRSS internal rechargeable Lithium-Ion batteries. Cameras have integrated 900MHz FM video transmitter (100 mW nominal).

The **MTV Kit** is controlled by a switch on the 4 channel receiver mounted in the lid. The **MTV** can operate continuously up to 7 hours. In the optional Triggered Mode an additional sensor receiver is included and the video receiver and monitor are only powered up when an **MRSS** sensor activation occurs. If sensor activations occur ~3% of the time, run time can approach 7 days.

The **MTV System** is fully self-contained. No operator interconnect is required at time of deployment. Simply open the case lift the monitor, turn on power and deploy cameras.

Triggered Camera/MRT Module Integration

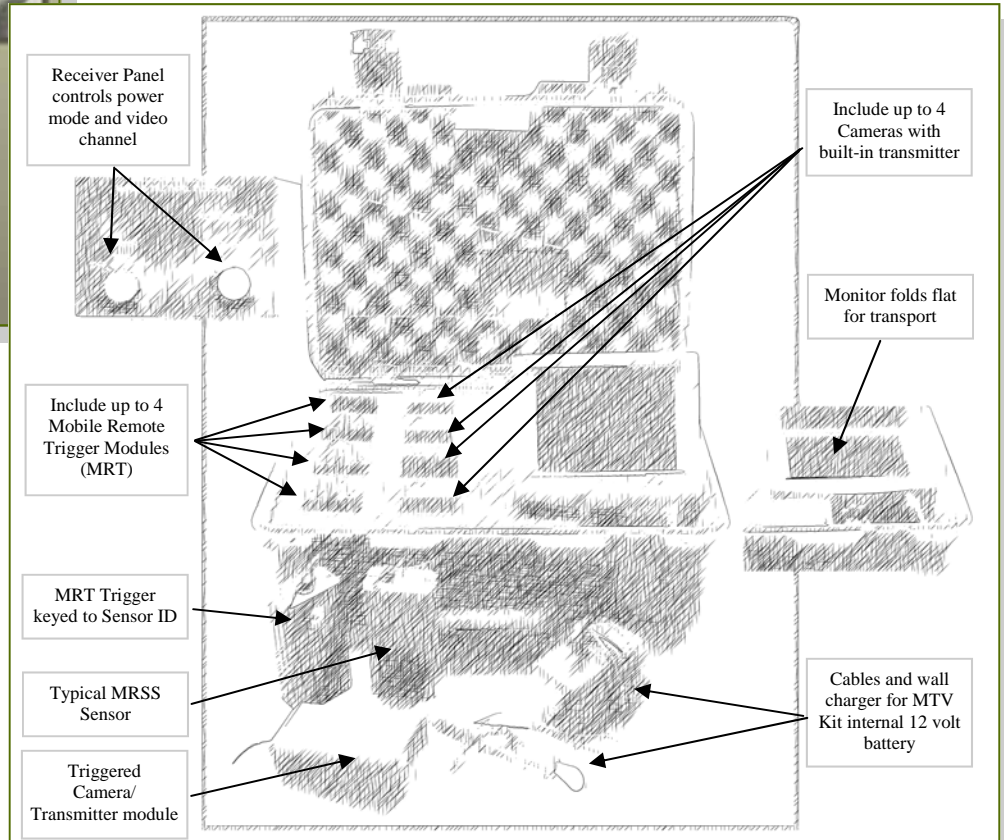
The **Mobile Remote Trigger (MRT)** module is a Millennium Sensor **Mobile Remote Sensor System (MRSS)** component that allows any **MRSS** Sensor to wirelessly activate a camera or other device within 30 m whenever that sensor activates. The **MTV Kit** incorporates small, sensor-sized, cameras that integrate with **MRT** modules and include built-in batteries and 100mW video transmitters.

The **MTV** cameras have continuous run time of 7 hours or when triggered by an **MRT** ~3% of the time, they can operate approximately 7 days.

Built-in cameras are miniature, low power, solid state with field changeable lenses.

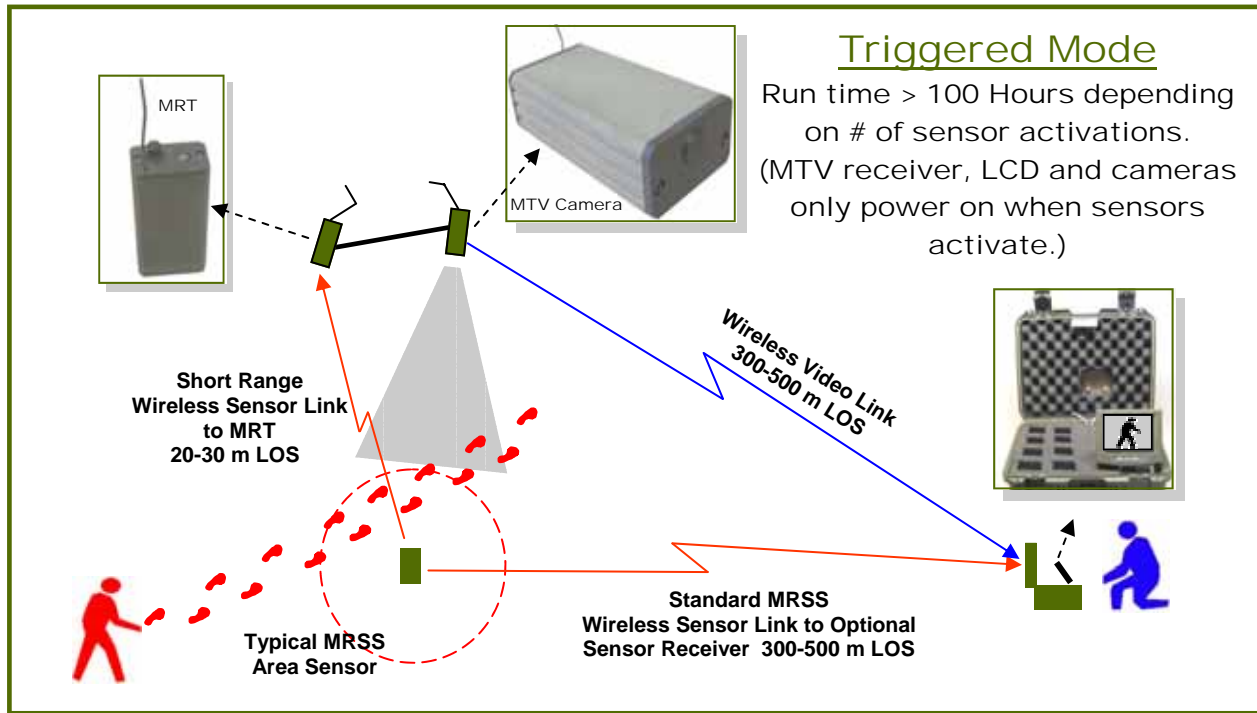
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OPERATIONAL CONCEPT (MRSS SYSTEM COMPONENT) MOBILE TACTICAL VIDEO (MTV) KIT



Up to 4 Video channels can run simultaneously.

Operator selects channel to view.

Master power switch selects between 'Triggered' and continuous 'ON' modes.



Field changeable lenses

Raised 1/4-20 threaded mount serves as field expedient tilt stand.

Power/Charging plug and MRT interface

