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.

Declared by:

P3

System Description (MRSS System Component)

Mobile Tactical Video (MTV) Kit

SYSTEM DESCRIPTION (MRSS SYSTEM COMPONENT)

MOBILE TACTICAL VIDEO (MTV) KIT

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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

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**Triggered Mode**

Run time > 100 Hours depending on # of sensor activations.
(MTV receiver, LCD and cameras only power on when sensors activate.)

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**Continuous Mode**

Run time ~ 7 Hours
(MTV receiver, LCD and cameras on continuously. No sensors required.)

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Up to 4 Video channels can run simultaneously.
Operator selects channel to view.

Master power switch selects between ‘Triggered’ and continuous ‘ON’ modes.