

640 Watt
Solar Panel

High Capacity
Battery Backup

Tough, Wide
Track for
Maximum
Stability

Operates in
Extreme
Environmental
Conditions

Remotely
Monitored and
Controlled

24 / 7
Unattended
Operation

On Board
NVR for Video
Storage

MST-SERIES

MOBILE SURVEILLANCE TRAILER

POWER, SURVEILLANCE & COMMUNICATION TECHNOLOGY SOLUTIONS DELIVERED WORLDWIDE



Total Connectivity Solutions
One Trusted Partner

Reliable Remote Surveillance...Everywhere

Tri-M's MST-Series [Mobile Surveillance Trailer] is compact, rugged and customizable to your organization's specific security requirements. Portable and powerful, the MST-Series features a renewable energy system capable of operating under solar, generator or grid power. Remotely control and monitor your critical infrastructure 24/7, even in extreme environments. Tri-M has security solutions for your business, no matter where opportunity takes you.

Tri-M Connectivity Solutions, powered by The Tri-M Group, LLC, gives you the power to successfully connect people, equipment, networks, applications, knowledge and resources around town or around the globe. Our emphasis on providing proven engineering best-practices for performance, reliability and security allows us to efficiently complete your project on time and on budget.



1 5' x 7' Aluminum Frame
Designed and Fabricated by Tri-M | Customization Available

2 15' Telescoping Aluminum Mast
System Supports up to 30' Mast

3 160 Watt Glassless Solar Panels
System Supports Up to Four 160 Watt Panels | 320 - 640 Watts of Solar

4 Standard 400 ah Battery Bank
Additional Battery Capacities Available

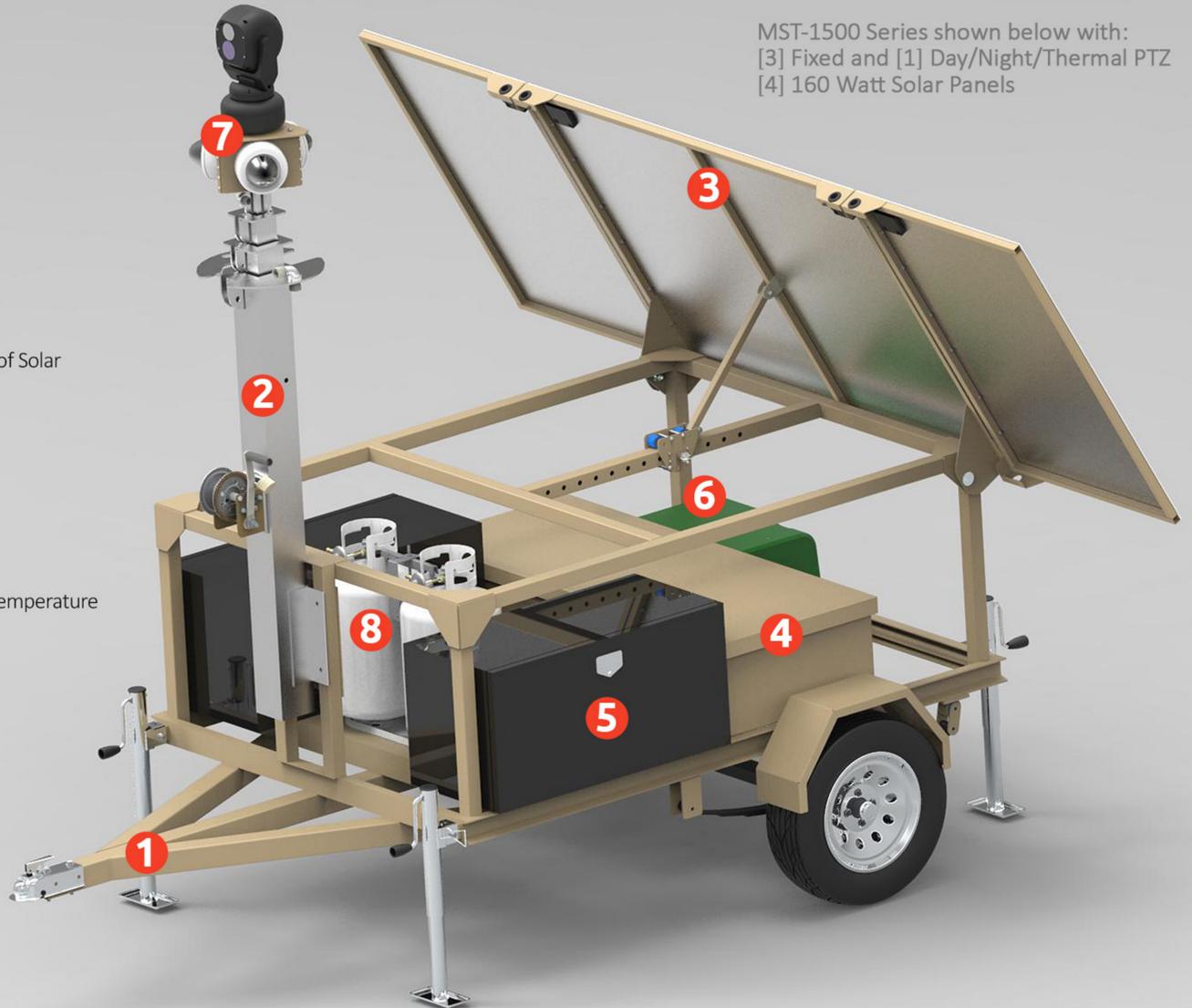
5 Rugged NVR and Data Components
Pre-Installed Network Video Recorder | -25° to 70°C Operating Temperature

6 2.5 kW Propane Generator
Auto Starts when Batteries Reach User-Settable Low Percentage

7 Video Cameras
Quantity & Models Customizable to Meet Application Needs
Fixed - PTZ - Day / Night / Thermal, etc.

8 Propane Fuel Tanks

MST-1500 Series shown below with:
[3] Fixed and [1] Day/Night/Thermal PTZ
[4] 160 Watt Solar Panels



POWER MANAGEMENT

SOLAR CHARGER

- Advanced Solar Controller
- Maximum Power Point Tracking (MPPT) Battery Charger for Off-Grid Photovoltaic (PV) Systems up to 3kW
- Maximizes Energy Harvest
- Extremely High Reliability
- Very High Efficiency
- Extensive Networking and Communication Capabilities
- Metering and Data Logging
- Certified to IEC 62093

GENERATOR

- 2.5 kW Propane Generator
- Auto Starts when Batteries Reach User-Settable Low Percentage

GRID CHARGER

- Microprocessor-Controlled, Multistage Charging Algorithms
- Settings for Two and Three-Stage Charging
- Settings for Flooded, Gel, AGM or Lead-Calcium Batteries
- Auto-Ranging Universal Input Voltage (90-265 Vac, 47-63 Hz) also Compatible with a Generator or Other Low-Quality Power Sources
- Power Factor Corrected, Temperature-Compensated Charging
- Battery - Equalization Feature
- Able to Charge Batteries Drained to Low Voltage
- Reverse Battery Polarity Protection
- Over and Under-Temperature Protection
- DC Over-Voltage Protection
- Battery Overcharging Protection

All components are run from native battery power. We do not use lossy (having or involving the dissipation of electrical or electromagnetic energy) power inverters. Each component is individually fused and monitored by our power management system.

VIDEO MANAGEMENT

VIDEO ANALYTICS

- Video Motion Detection
- Motion Tracking
- Object Classification
- Left/Removed Item Detection
- People Counting
- Dwell Time/Loitering
- Wrong Direction
- Auto PTZ tracking

VIDEO VIEWING

- Windows Applications
- Web Based
- Apple
- Android



The MST-Series is sensor agnostic, meaning we can deploy communication, radar, thermal/day/night cameras and many other sensors as needed.



The TRI-M Group, LLC

Kennett Square, PA 610.444.1000
Lehigh Valley, PA 610.289.2420
North Eastern, PA 570.319.9178
North Central, PA 570.748.7515
Baltimore, MD 410.368.3981
Middletown, DE 302.376.0150

tri-mgroup.com