

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



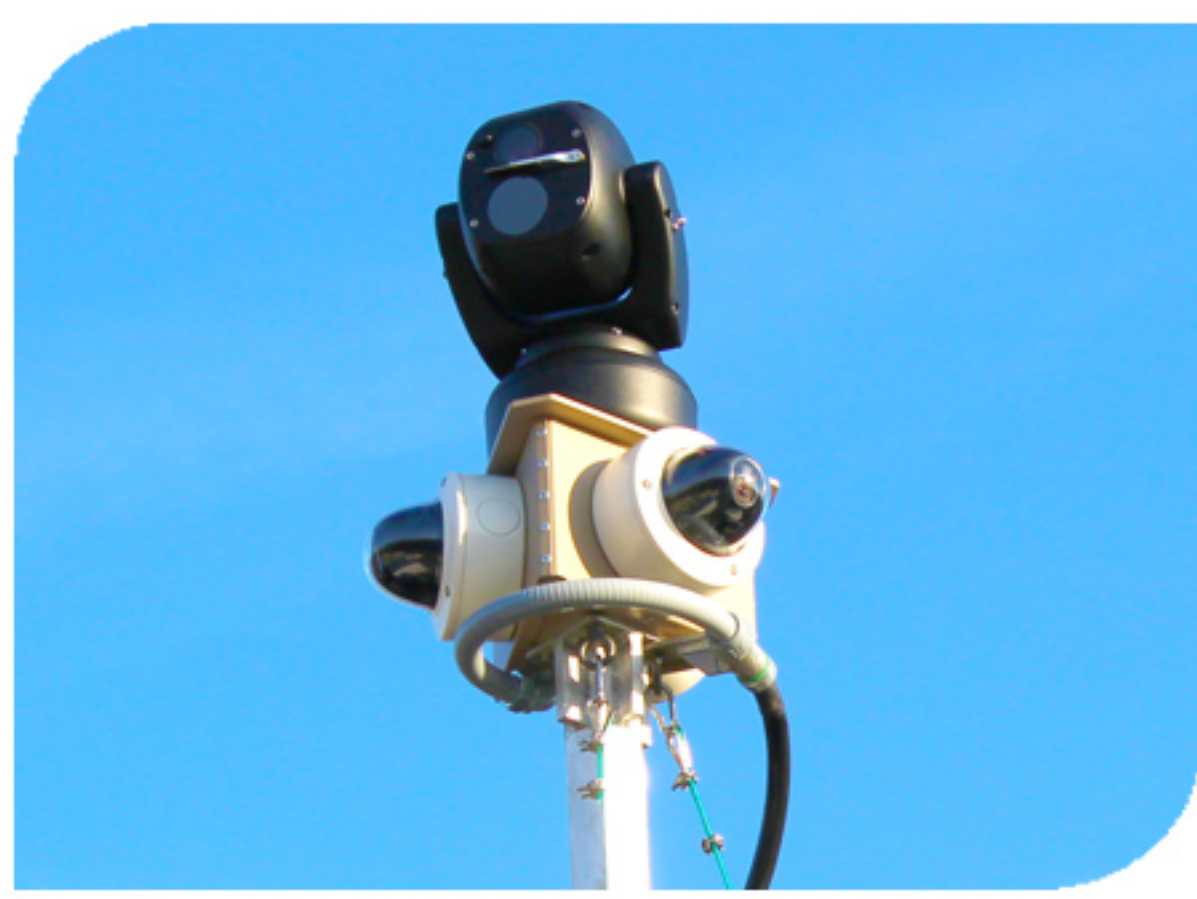
Total Connectivity Solutions  
One Trusted Partner

## 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

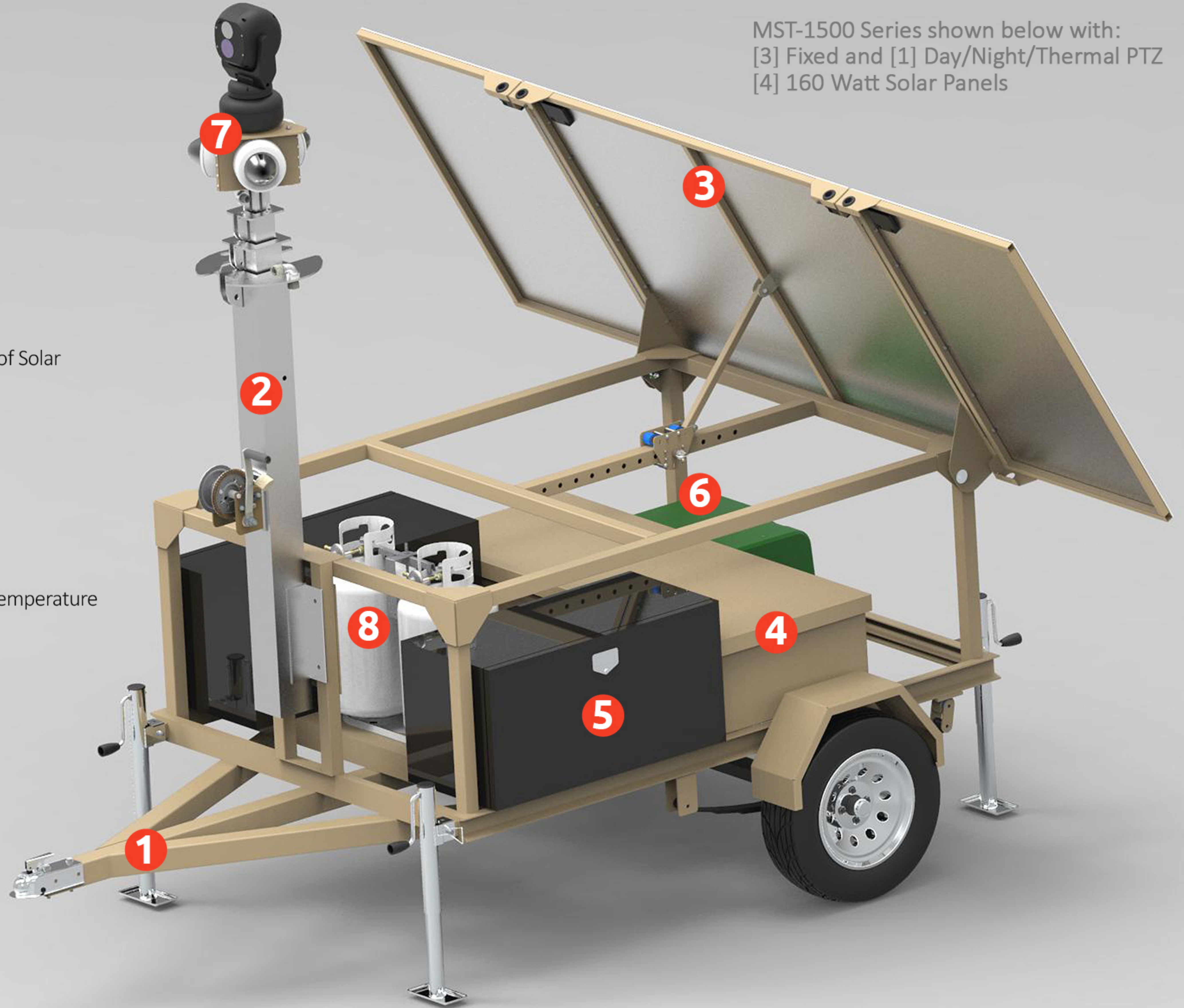
## Video Cameras

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.

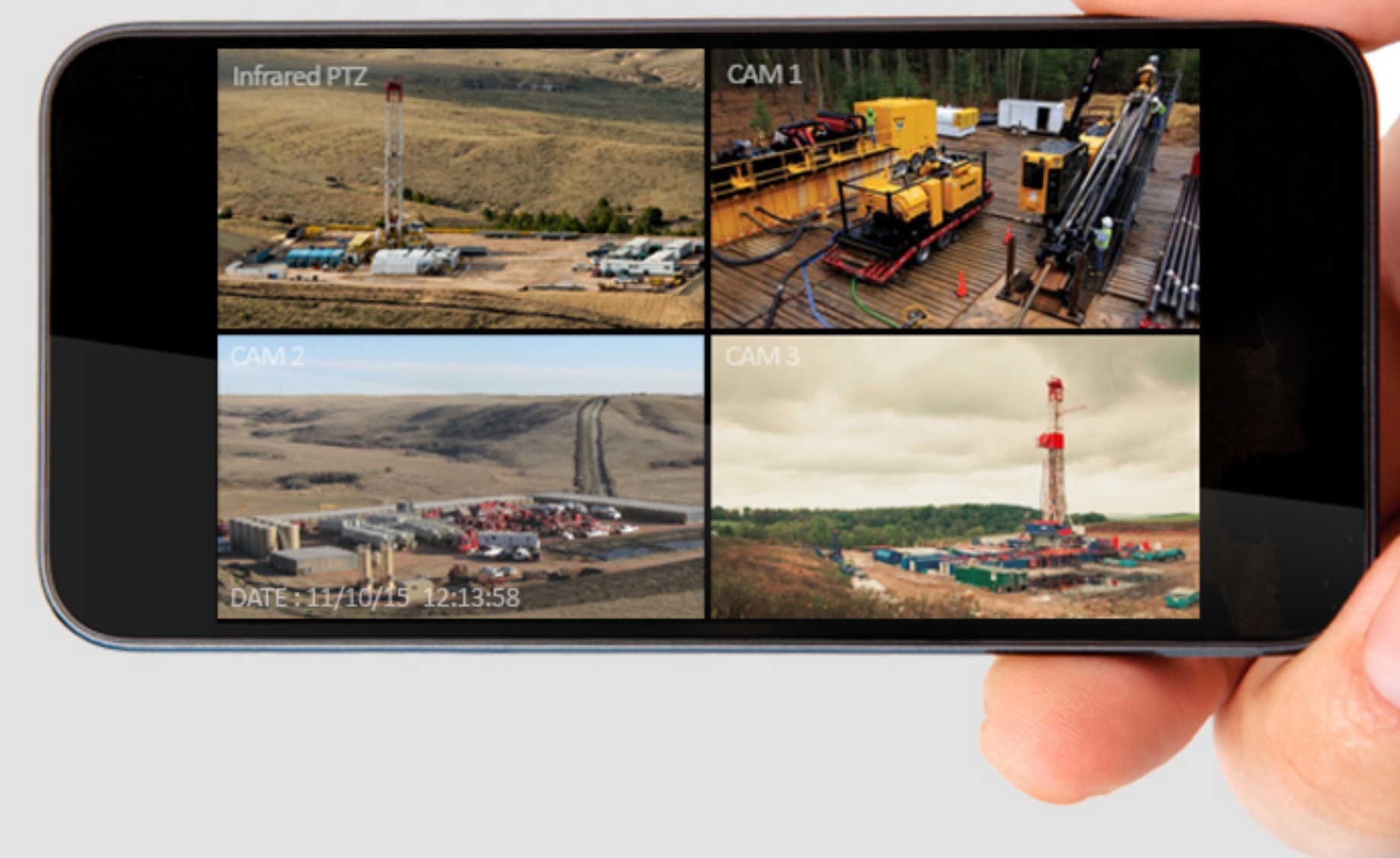
## VIDEO MANAGEMENT

### 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.



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