ECSI International

Mobile Smart Tower (MST)

Description

Durable, compact lightweight trailer platform that can provide standalone power via multiple power solutions to include solar and fuel cell generator. This rapid deployment trailer system can be used to operate surveillance systems, communications, radar, wifi and more to support operational needs in remote off grid areas limited by a power source. The trailer system can be deployed rapidly for any length of time as operations require.

The mobile platform features a rugged reinforced polymer 7.26m (23 foot) tower capable of supporting over a 450Kg (1000 lbs.) of customized equipment and withstands up to 257.5 Km/h (160 mph) wind load. The lightweight tower is equipped with low glare, impact resistant rugged solar panels that are wrapped around the length of the tower providing upwards of 770 watts of autonomous solar power.

The removable tower and drawbar make it easy to ship and deploy. The lightweight rapid deployment trailer system weighs less than 635Kg (1400 lbs.), allowing the system to be towed or transported by most vehicles, allowing support for numerous C41SR (Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance) operations.

Features

Smart Pole

- Light weight reinforced polymer 7.26m (23’ 10”) tower, able to support over 450Kg (1000 lbs) of equipment
- **Weight:** 54.43Kg (120 lbs)
- **Wind load:** 257.5 Km/h (160 mph)
- Able to conceal electronics inside the tower, concealing and securing equipment required for remote operations.

Surveillance System / Cameras

- Bullet camera 5 mp, Infrared wlth advanced analytics, motion detection, trigger alert notifications
- License plate reader with advanced analytics, motion detection, face detection, audio detection
- Auto Tracker Pan/Tilt/Zoom (PTZ) auto tracking, intelligent analytics, motion detection, infrared Thermal Imaging
- Gun-shot recognition and notification

Smart Pole

- Rugged lightweight metal trailer
- **Empty Weight:** 635Kg (1400 lbs)
- **Width:** 221cm (87 inches)
- **Length:** 223.5cm (88 inches)
- Stabilizers at all four corners

Communication / interface

- **Cellular:** 3G/4G/LTE - multiple carriers
- Wi-Fi
- Satellite

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Specifications subject to change

Mobile Smart Tower (MST)

Applications

Weapons Detection, Drone Identification, Communications, Components and Surveillance.

These are examples of the types of customized solutions thatcan be powered by the Mobile Smart Tower (MST).

Continuity of opersations are ensured by multiple power sources that include military grade solar panels which are wrapped around the length of the tower and a fuel cell generator. This unique hybrid system will enable long-term deployments, without the need to re-fuel for up to 12-18 months of continuous operation.

The lightweight mobile platform can easily be transported by most vehicles and its user-friendly-design allows for rapid deployment, even by just one person, to support operations in urban or remote off-grid areas.

The **Mobile Smart Tower** supports:

- Military
- Law Enforcement
- Fire Service
- Medical Infrastructure
- Road Crews
- Construction Sites
- Commercial operations

Multi-Tool, Eco-Friendly, Autonomous and Rugged

The Mobile Smart Tower is a multi-tool system. Designed for numbers of commercial and military operational requirements. It offers multiple uses to provide solutions to operate in areas that were once not feasible.

- **Surveillance**
- **Satellite Communications**
- **Fuel Cell & Solar Power Systems**
- **SCADA**
- **HDMI Plugs**
- **Weapons Detection**
- **Drone Detection**
- **Intrusion Detection**
- **Emergency Lighting**
- **Security Camera Systems**
- **Disaster Relief Support**
- **USB Ports & Electrical Outlets**

Hybrid System of Solar and Fuel Cell Generators

Providing power for 12 - 18 months or longer without power interruption or loss, without the need to refuel/maintain the system. This makes the Mobile Smart Tower a HUGE SAVINGS in work hours.

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