

Meet
our new, off-grid
Mobile Security Platform





The equipment shown in this brochure
is for reference only and is not included!

About TelescopicMast

TelescopicMast provides advanced mobile surveillance towers, catering to evolving security needs. Based in the Netherlands with a growing U.S. presence, it ensures swift support and access to its flagship, the Mobile Security Box. Adjustable from 13 to 30 feet, this solution enhances surveillance for sites and events. Designed for U.S. compliance, it enables quick deployment and integration with major security technologies.

Towers vs Trailers

Mobile surveillance in the U.S. mainly relies on trailers, but TelescopicMast offers an alternative. The choice depends on deployment speed, transportability, and security.

Deployment

Trailers are ideal for frequent relocation, while towers suit long-term, stationary use.

Transportability

Trailers offer mobility but can be costly if underutilized. Towers, with a smaller footprint, reduce long-term logistical costs.

Security

Towers resist theft with anti-climbing features and are harder to tamper with.

Though trailers dominate, towers provide a secure, cost-effective option for extended deployments.

Transporting your Mobile Surveillance towers

Traditional surveillance trailers add unnecessary costs and complexity. TelescopicMast offers a smarter, cost-effective solution by using trailers solely for transport, eliminating bulky on-site components. This reduces clutter, lowers costs, and allows investment in better equipment.

Designed for single-person operation, these trailers ensure precise positioning on any terrain. With hydraulic lifting, shock absorbers, and a galvanized chassis, they provide durable, efficient, and reliable security deployment for any environment.

Contact

For more information on TelescopicMast's surveillance towers and transportation solutions, contact Gawain Guedry. As a trusted expert in security deployments, he can provide tailored solutions to meet your specific needs.

Reach out via phone at +1(702) 885-2069 or email gawain@telescopicmast.com



Frank Aben

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Compact, off-grid security made simple

The MSB-Edge is a mobile security tower designed for rapid deployment in remote or off-grid environments. Built from galvanized steel, it is transportable with our TMT-1300 and TMT-2500 trailers, making it easy to transport and quick to install. Its three-piece telescopic mast extends up to 16' 4" and provides a stable platform for cameras or lighting.

The unit includes three angled, integrated solar panels to maximize energy capture, as well as internal space for batteries, electronics, and optional fuel cells.

Its plug-and-play setup enables fast, autonomous operation without external power. A lockable steel cabinet and an IP66-rated patch box protect the system from theft and weather.

Developed with input from global system integrators, the MSB-Edge delivers durable, off-grid surveillance in a flexible, easy-to-deploy format.

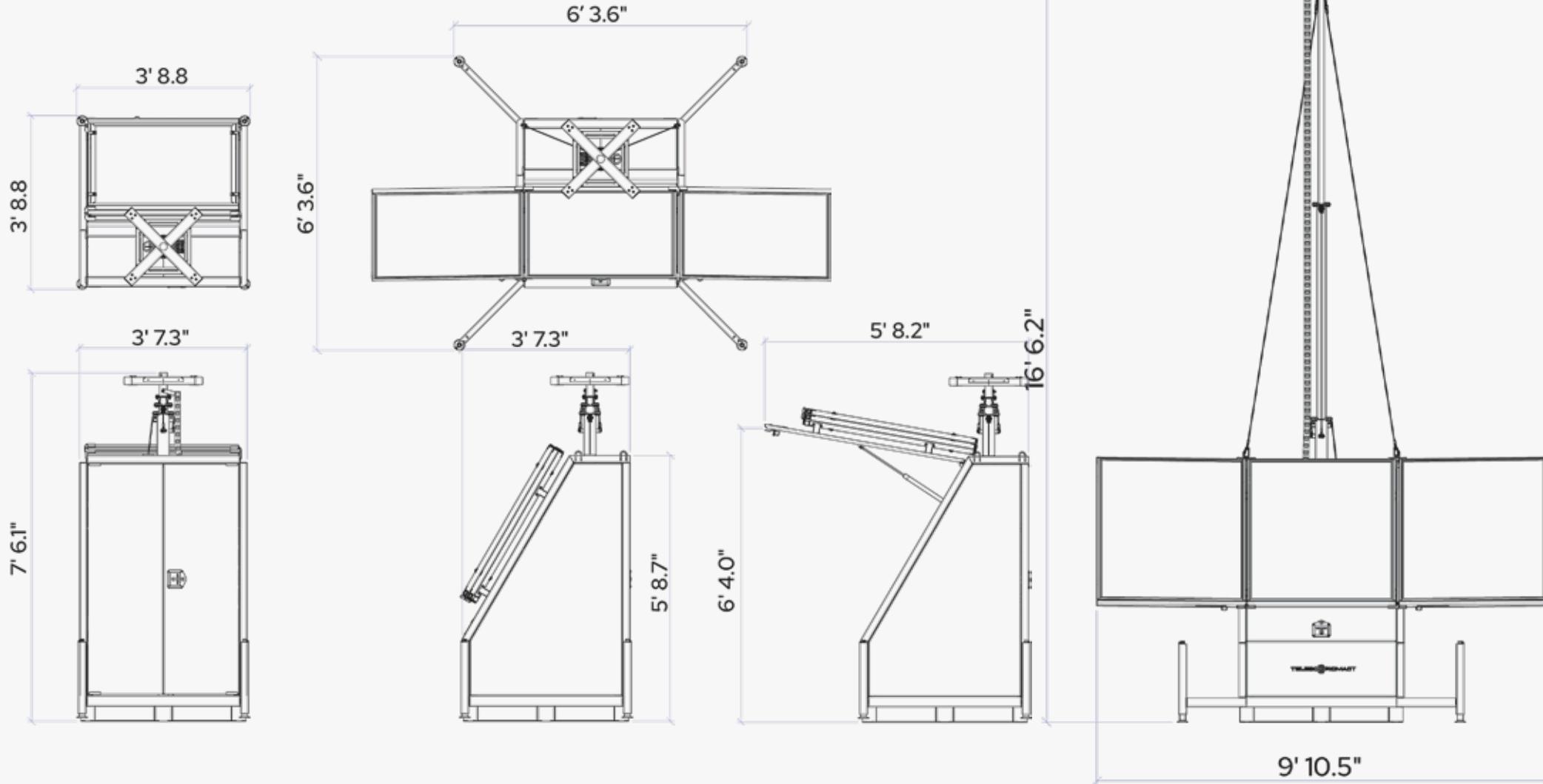


Solar power for reliable off-grid operation

The MSB-Edge features three integrated solar panels that deliver stable off-grid energy for remote deployments. The panels are produced by a certified industrial manufacturer and are built for durability and consistent performance.

Angled mounting maximizes sunlight capture for efficient power generation. When paired with internal batteries and optional fuel cells, the system enables the possibility of continuous operation.

This solar setup enables dependable, autonomous surveillance without the need for external power, making the MSB-Edge ideal for off-grid security.

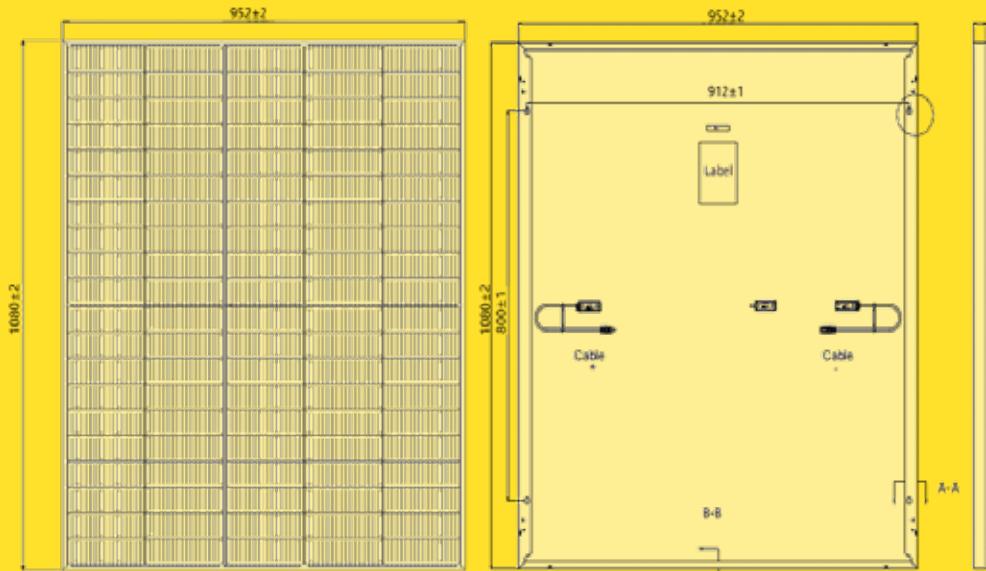


Features and specifications

Features MSB - Edge	Specifications	Electrical specifications
Mobile unit easy to transport to site	Transport size: 3 ft 7.7 in x 3 ft 7.7 in x 7 ft 6.16 in	STC
Easy to store	Required extended floor space (LxW): 6 ft 3.4 in x 6 ft 3.4 in	AM1.5
Basic ground frame	Weight: 881.8 lbs	Temperature 77°F
Easy to install by one engineer	Total height with extended mast: 16 ft 5.6 in	Irradiance 317.1 BTU/hr/ft ²
Forklift slots, for easy transportation	Advised maximum weight on mast top: 132.28 lbs	
Lifting eyes, for easy transportation and deployment	Maximum wind load without stabilizers: 55.9 mph	Power(Pmax)±3% (W) 220
Stable telescopic mast	Maximum wind load with stabilizers: 71.46 mph	Power Tolerance (.Pmax) (W) 0~+5
Automatic safety stop	Manual, CE-approved winch with a 1,213 lbs capacity.	Max.Power Voltage (Vmp) (V) 30.39
Multifunctional mast top bracket; design your own solution.	Steel galvanized construction	Max.Power Current (Imp) (A) 7.24
Four-spoke mast top for CCTV cameras or floodlight	Steel galvanized mast	Open-circuit Voltage (Voc)±3% (V) 35.70
Spirit level for easy installation	Three-part premium telescopic mast	Short-circuit Current (Isc)+3% (A) 7.75
Cylinder locks on all sides		
Prepared for additional security lock	Certifications	NMOT:
Fully lockable cabinet		AM1.5
Vandal-resistant cable conduit	ISO9001	Temperature 68°F
Roof climb protection	CE	Wind speed 2.24 mph
Patchbox / IP66 box installed	TÜV	Irradiance 253.68 BTU/hr/ft ²
4 stabilizing cables, reducing vibration and false alarms	ANSI: pending	
Stabilized by 4 stabilizers		Peak Power (Pmax)±3% (W) 164.56
Sides suitable for branding with logos or messaging		Max.Power Voltage (Vmp) (V) 28.27
Double cabling in mast (safer for people and equipment)		Max.Power Current (Imp) (A) 5.82
Sufficient space for installing batteries or fuel cells		Open-circuit Voltage (Voc) (V) 33.21
Hoisting mast RVS316 stainless steel cables		Short-circuit Current (Isc) (A) 6.27
Hydraulically pressed cable clamp		
Manual included		Operating Temperature (°F) -40 ~ +185
Warning labels		Max. Series Fuse Rating (A) 15
Nylon wheels with bearings		Max. System Voltage (DC) (V) 1000 (IEC)

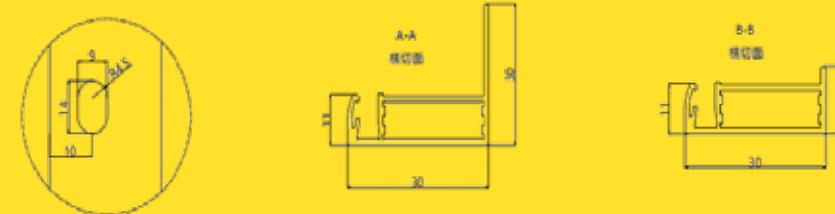
Dimensions of PV module

Module Dimensions:
3 ft 6.5 in x 3 ft 1.5 in x 1.2 in
Module Weight:
23.15 lbs



Mechanical specifications

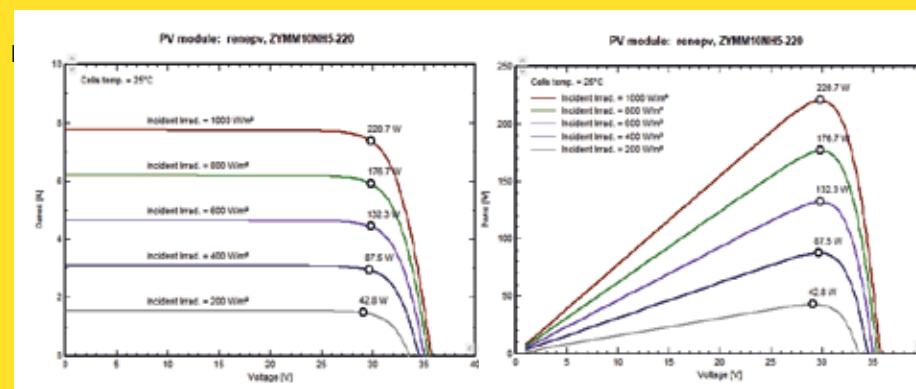
Solar Cells Mono- 7 in x 2 in
Arrangement Type-5*10*2
Front Glass 0.126" tempered glass
Backsheet Fluoride on both sides
Frame Anodized aluminium alloy
Junction Box IP68, 2 diode
Cables 0.157" photovoltaic cables
Connectors MC4 compatible/IP67
Maximum Load Capacity
Snow-3600Pa/Wind-1600Pa
Safety Rate Class II (IEC)
Fire Rate Class C (TUV)



Temperature characteristics

Temperature Coefficient (Pmax) [%/°C] -0.35
Temperature Coefficient (Voc) [%/°C] -0.29
Temperature Coefficient (Isc) [%/°C] +0.046

Nominal Operating Cell Temperature NMOT 111.2°F



Creating global site security

