Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

SPLT-SMJB-0.6K-2XMP-1TB-W4G

16' Solar Security Tower - (2) 300W Panels, (2) Cameras, (1) NVR, (1) Siren, (1) Strobe - GPS, Lockable

Product ID: 310217

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

SPLT-SMJB-0.6K-2XMP-1TB-W4G Outdoor Security Tower

Light Mast Specs
Tower Length: 16 Feet
Stages: 3
Operation: Manual Push Up - Lockable at Height
Materials: Steel
Finish: Powder Coated - Gloss Blue
Mast Cable: -

Solar and System Specs
Panels: (2) 300W
Method of Deployment: Fixed Mount
System Voltage: 12 Volts
Battery Bank: (1) 80aH Lithium-ion Battery Pack
Battery Capacity: 80aH Total / 80aH Usable
Charge Controller: 20aH
Audible Siren: (1)
Remote or Local Viewing: Wi-Fi/Cell Service
GPS Tracking: Included
Warning Labels: English/Spanish

Strobe Light Specs
Lamp Qty: (1)
Lamp Type: LED
Voltage: -
Watts: -
Lumens: -

Summary
National Defense Authorization Act (NDAA) Compliant
16` Security Mast
Steel Construction
Powder Coated Finish
125 mph Wind Resistance
Manual or Optional Electric Operation
(2) 300 Watt Solar Panels
English/Spanish Warning Labels
Lockable Job Box
Audible Siren
Blue Strobe

LED Life Expectancy: 50,000+ hours
Color: Blue
Beam Angle: 360°
Lighting Configuration: Flood Beam
Amps: -
Ambient Temp Range: -
Materials: -
Mounting: Tower

Bullet Camera Specs
Camera Qty: (2) NDAA Compliant
Total Watts: -
Voltage: -
Image Sensor: -
Effective Pixels: 4MP
Rotation: All Directions
Video Output: -
Language: English
Ambient Temperature Range: -
Housing Materials: -
Lens Material: -
Mounting: Tower

NVR Specs
Device Type: Network Video Recorder (NDAA Compliant)
Storage Capacity: 1 TB SATA Hard Drive
Ports: 4
Camera Resolution Support: Up to 8MP
Installation Type: Plug and Play
Incoming Bit Rate: 40Mbps
Outgoing Bit Rate: 80Mbps
FPS: 60fps Per Channel
Compression Format: H.265, H.264, H.264 OVC
Recording Modes: Continuous, Schedule, Event, Motion Detection, VCA
Export Format: MP4
Video Outputs: (1) RCA, (1) VGA, (1) HDMI, (1) USB 2.0 (Front), (1) USB 3.0 (Rear)
Two-way Audio Input: 1-ch, RCA
Power Over Ethernet: = 120W, Supported Standards- 802.3af and 802.3at
Alarm Input: 4x (Rear Panel), Camera Dependent
Alarm Output: 1x (Rear Panel), Camera Dependent
Protocols: IPv4, TCP/IP, UDP, HTTP, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, ONVIF, HTTP Multipart
Monitor: 14" HD Screen w/ Anti-glare Monitor
Mouse: Included
Power Requirements: 100 ~ 240V AC
Housing Material: Aluminum
Operating Temp: 14°F ~ 131°F
Networking Cable: CAT5E

Skid Mount Specs
Materials: Steel
Dimensions: -
Leveling Jacks: (4) 600 lb Rated
Skid Pockets/Lifting Eyelets: NA
Job Box Enclosure: Included, Lockable
Wheels: -
Tires: -
Weight: +-600 lbs
Shipping: Common Freight
Shipping Dimensions: 8`-L x 8`-W x 12`-H
Shipping Weight: +-600 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Made in the USA

Tower provides a safe and effective way for operators to quickly deploy cameras to elevations up to sixteen feet in remote areas, construction sites and commercial locations. This solar light plant features a manual push up mast, two bullet cameras, audible siren and blue strobe light. The unit includes two 300-watt solar panels and an 80aH lithium-ion battery bank, as well as GPS tracking and Wi-Fi/cell service configuration.
PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS
This outdoor security mast enables wide-area monitoring in remote sites, including outdoor areas, construction sites, parking lots, commercial locations, events, roadway projects and more. This system includes a 16-foot manual push up mast, two 300-watt solar panels, 20aH charge controller, 80aH lithium-ion battery pack, two bullet cameras, 1TB NVR, audible siren, blue strobe light, lockable job box, English/Spanish warning labels, GPS tracking and Wi-Fi/cell service configuration. The entire assembly is mounted onto a skid platform with four leveling jacks, allowing operators to transport this portable security tower from location to location.
Bullet Cameras: Two bullet cameras provide operators with high resolution images. Operators can rotate and point the cameras in any direction when monitoring remote areas.
The outdoor security cameras comply with the 2019 National Defense Authorization Act (NDAA). The regulation bans federal governments, their contractors and businesses with national security interests from buying and using surveillance equipment made by specific major China-based manufacturers, including Hikvision, Dahua and their OEMs. Security products sold by Honeywell, Bosch, Panasonic, ADT, Flir and many more are affected by the ban. NDAA compliance also includes a ban on ZTE, Huawei and Hytera telecommunication equipment.
NVR: The security tower contains a 4-port NVR that can be used with the network cameras. Setup only takes minutes via plug-and-play, which automatically detects, displays and configures system components. With multiple recording modes (Schedule, Continuous, Motion Detection and Event) and 1TB of storage, users could capture hours of footage with ease. The remote configurable network recorder features a bit rate of 40Mbps incoming and 80Mbps outgoing at up to 60fps per channel. To maximize storage, the unit supports H.265, H.264, and H.264 OVC video compression.
The network recorder is compatible with two-way audio streaming (camera dependent) and includes 9 ethernet ports (RJ-45 interface). During recording, the unit handles the following data: activity log, email notification, event log, event notification, video analytics and event search. This device offloads videos in MP4 format. Cameras hooked up to the NVR may use power directly via PoE (802.3af / 802.3at) during operation. The NVR runs on 100 - 240V AC of power and is suitable for use in temperatures between 14°F - 131°F. This unit is supported by a 14" HD screen with an anti-glare monitor and mouse.
NVR Inputs: (1) RCA, 4 Sensor Inputs
NVR Outputs: (1) RCA, (1) VGA, (1) HDMI, (1) USB 2.0 (front), (1) USB 3.0 (rear)
Connectivity: The SPLT-SMJB-0.6K-2XMP-1TB-W4G features GPS tracking for system location monitoring and security. This system offers Wi-Fi/cell service configuration for remote or local viewing of data.
Siren/Strobe Light: This system features an audible siren for audio-based notification and a blue strobe light located at the top of the mast.
Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased

temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.

Light Mast: This three stage steel light mast from Larson Electronics is designed to allow operators to quickly and safely deploy equipment in locations where it must be elevated to heights up to 16` for effective coverage. Once the desired height is reached, the mast can be locked in place. The mast is extended to its full height manually.

When elevated to its full upright position, the mast can be rotated a full 360°. By loosening the T-Handle, operators can rotate the mast in either direction. The mast can be positioned in one of four different positions, and locked back in place by re-tightening the T-handle. The mast itself spins freely with easy, and can typically be rotated with a single hand. The LM series of towers are powder coated with glossy blue finish for corrosion resistance and aesthetics.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. Four 600 lb hand crank leveling jacks are used for leveling. When lowered to a collapsed position, the mast can withstand winds up to 125 mph. Custom builds can be provided for higher wind speed resistance when fully raised.

Solar Panel Assembly: This unit is comprised of two 300-watt solar panels, generating a total maximum output of 0.6 KW. The panels are mounted to the stationary assembly and can be locked at an angle for optimized light intake. The panels are wired to the solar charger control box, which manages the charging system and hosts a 20aH charge controller. Operators are provided access to an 80aH lithium-ion battery pack (80aH total capacity/80aH usable).

Component Control Center: All the electrical components are encapsulated in a job box that is bolted to the skid platform The job box that contains the component control system includes locks for security purposes.

Skid Mount Assembly: All system components are secured on a heavy-duty skid platform. Operators can transport and load/unload the entire assembly with a forklift. There are no skid pockets or lifting eyelets on the unit. Four 600 lb rated leveling jacks are available for stable deployment. The leveling jacks can be rotated (along with folded solar panels and collapsed mast) for seamless storage.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)