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-0.3K-4XMP-60LTL-DNS-1TB-ISGG-W4G-M1

16' Solar Security Tower w/ Backup Generator - (1) 300W Panel, (4) Cameras, (1) NVR, LED Light/DNS (1) Siren, (1) Strobe - GPS, Lockable

Product ID: 305201

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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-0.3K-4XMP-60LTL-DNS-1TB-ISGG-W4G-M1 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: (1) 300W
Method of Deployment: Fixed Mount
System Voltage: 12 Volts
Battery Bank: (1) 40aH Lithium-ion Battery Pack
Battery Capacity: 40aH Total / 40aH Usable
Charge Controller: 20aH
Audible Siren: (1)
Remote or Local Viewing: Wi-Fi/Cell Service
GPS Tracking: Included
Warning Labels: English/Spanish

Backup Generator Specs
Fuel Type: Gas
Capacity: 2,500W (Starting); 2,200W (Running)

Summary
National Defense Authorization Act (NDAA) Compliant
16` Security Mast
Steel Construction
Powder Coated Finish
125 mph Wind Resistance
Manual or Optional Electric Operation
(1) 300 Watt Solar Panel
Backup Gasoline Generator
Lockable Job Box
Audible Siren
Blue Strobe
English/Spanish Warning Labels
LED Lights w/ Day/Night Sensor

Engine Displacement: 98cc
Engine Type: OHV
RPM: Variable
Recommended Oil: 10W-30
Oil Capacity: 0.36 Qt
Fuel Capacity: 1 Gallon
Auto Start: At Low Battery Levels
Control Panel: Fuel Shut Off, Choke, Low Oil Shutdown, Start
Voltage: 120V AC, 60Hz
Receptacles: (1) L5-30R Twist Lock, (1) TT-30R

LED Lamp Specs
Lamp Qty: (1)
Lamp Type: LED
Voltage: -
Total Watts: 60W
Total Lumens: 8,625 lms
Luminous Efficacy: 86.25 lm/w
LED Life Expectancy: 80,000+ hours
Color Temp: 3000K, 4000K, 5000K or 6500K
Color Rendering Index: 80
Beam Angle: 10° Spot, 24° Wide Spot, 38° Narrow Flood, 60° Flood or 90° Wide Flood
Optics Efficiency: 98% - PMMA High Transmittance Optics
LED Drive: 90%
Amps: -
Ambient Temp Range: -40°C to +80°C
Materials: Die Cast Aluminum Housing, PMMA Optics
Mount: Tower
Housing Color: Natural Aluminum
Sensor Type: Day/Night Sensor

Bullet Camera Specs
Camera Qty: (4) 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- Requirements
Contact us for special requirements
Phone: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Made in the USA
The Larson Electronics SPLT-SMJB-0.3K-4XMP-60LTL-DNS-1TB-ISGG-W4G-M1 Solar Security Tower with Backup Generator 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, four bullet cameras, audible siren and blue strobe light. The unit includes one 300-watt solar panel, LED light with day/night sensor, a 40aH lithium-ion battery bank and backup gasoline generator, 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, 300-watt solar panel, backup generator, LED light with day/night sensor, 20aH charge controller, 40aH lithium-ion battery pack, four 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: Four 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-0.3K-4XMP-60LTL-DNS-1TB-ISGG-W4G-M1 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 LED strobe light located at the top of the mast.
LED Light: This solar light plant is equipped one high output LED light fixture. The LED lamp produces 8,625 lumens of high intensity light. Included day/night sensor provides automatic on/off operation. Six high output LEDs producing 1,437.5 lumens each are arranged in rows and paired with PMMA high purity optics to produce a well focused 24° wide spot beam that is ideal for providing far reaching concentrated illumination while still covering a substantial amount of area. We also offer optional optics with 10° spot, 38° narrow flood, 60° flood, and 90° wide flood beam spreads. The spot beams are tightly focused and are designed for high elevation mounting to achieve distance, making spot versions ideal for high mast and spots lighting. The flood beams are designed to provide more light over a larger area nearer the fixture, making flood versions ideal for use as dedicated work and area lights.
The LED lights from Larson Electronics offers IP67 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40° Celsius to +80° Celsius, are waterproof, and resist ingress of dust, dirt and humidity. The housings are formed from die cast aluminum and the optics are high transmission PMMA with 98% light transmittance. The LEDs help these units achieve resistance to vibrations and are rated at 70% lumen maintenance after 80,000+ hours of use. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.
LED Technology: 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 one 300-watt solar panel, generating a total maximum output of 0.3 KW. The panel is mounted to the stationary assembly and can be locked at an angle for optimized light intake. The panel is wired to the solar charger control box, which manages the charging system and hosts a 20aH charge controller. Operators are provided access to a 40aH lithium-ion battery pack (40aH total capacity/40aH usable).

Backup Generator: A 2.5kW gasoline generator is available on the system, which serves as backup power when sunlight is insufficient. We offer models with LPG/LNG or diesel backup gensets (may come with additional costs). An auto start feature automatically activates the backup generator when the battery bank reaches below 30% capacity. This backup generator provides 120V power and features one 30-amp L5-30R and one TT-30R receptacles.

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.

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Frequently Asked Questions (FAQ)

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Product ID: 305201

Export Control Classification Number (ECCN): EAR99

Options:

SPLT-SMJB-0.3K-4XMP-60LTL-DNS-1TB-ISGG-W4G-M1-Beam Config-Color Temp

Example: SPLT-SMJB-0.3K-4XMP-60LTL-DNS-1TB-ISGG-W4G-M1-10SP-30K

Beam Config	
10° SPOT	-10SP
24° WIDE SPOT	-24WS
38° NARROW FLOOD	-38NF
60° FLOOD	-60F
90° WIDE FLOOD	-90WF

Color Temp	
3000K	-30K
4000K	-40K
5000K	-50K
6500K	-65K

Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**