

LM-30-8.75-5S-FM-ALU-EW-IDCMR-IP-4MP-R1

30' Outdoor Security Mast - 8.75' to 30' Tower - (1) 4MP Camera - Aluminum Mast/Adaptor Plate

Product ID: 274842

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.

LM-30-8.75-5S-FM-ALU-EW-IDCMR-IP-4MP-R1 - 30` 5 Stage Telescoping Security Tower

Mast Specs:

Length: Telescoping from 8.75` to 30`

Weight: +-360 lbs

Capacity: 150 lbs

Materials: Aluminum

Finish: Powder Coated - Gloss Blue

Operation: (1) 3,500lbs Electric Winch, Manual Optional

Winch Voltage: 120V or 240V AC 50/60 Hz

Cable: 3/16" Aircraft Cable

Base Mounting: 1/4" Thick, 18"x18" Base Plate

Anchor Bolts: (6) 9/16" Bolts

Top Mounting: Adaptor Plate

Quick Summary

8.75` to 30` Mast

Aluminum Construction

Powder Coated Finish

Adaptor Plate

125 mph Wind Resistance

Manual or Optional Electric Operation

NRTL Certified to UL 508A

65` IR LEDs Range

Sun Shield

Alarm

IP66 Weather-rated Enclosure (Camera)

Camera Specs:

Unit Type: Security Camera

Dimensions: 2.625" H x 6.0" D

Weight: -

Total Watts: 10.5W (Maximum w/ IR On)

Voltage: 12V DC

PoE: 802.3af

Image Sensor: CMOS
Connectors: Ethernet, Power
Effective Pixels: 2688(H) * 1520(V)
Min. Illumination: 0.01 Lux (F2.0, AGC On), 0 Lux w/ IR
Shutter Speed: 1/3 ~ 1/10,000
Lens: 4mm Fixed, Manual Focus Lens
Angle of View: 83° (Horizontal)
Day/Night: ICR
Video Framerate: 20 fps @ 2688 x 1520
Language: English
Ambient Temperature Range: -22°F ~ 140°F
Housing Materials: Aluminum w/ Plastic Sun Shield
Mounting: Tower
Color: White
Shipping: Common Freight
Shipping Dimensions: 9.5`-L x 4`-W x 5`-H
Shipping Weight: +-1250 lbs
Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics LM-30-8.75-5S-FM-ALU-EW-IDCMR-IP-4MP-R1 Outdoor Security Mast provides a safe and effective way for operators to quickly deploy one surveillance camera to elevations up to thirty feet. Capable of collapsing down to 8.75`, this system features an articulating boom that allows for 360° of rotation and a 4MP camera secured on an adaptor plate at the top of the mast.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS OR LIGHT TOWERS

The LM-30-8.75-5S-FM-ALU-EW-IDCMR-IP-4MP-R1 is an effective surveillance solution for outdoor locations, operating sites and remote areas. This system consists of an adjustable mast capable of extending to 30 feet and an outdoor security camera secured at the top of the tower (adaptor plate). The aluminum mast is powered by electric winches.

Camera Features: The security camera provides operators with crisp, high resolution images in industrial work sites. This lightweight unit operates on 12V DC, with optional PoE (802.3af). A 4mm fixed, manual-focus wide angle lens with 83° field of view offers comprehensive monitoring in large areas. Integrated long-range IR LEDs enable the camera to see distances up to 65` in dark locations. True WDR and 3D-DNR help boost image quality during low-light conditions. Operators can setup and integrate alarms to serve as notifications with the unit. The cutting-edge security device is constructed of aluminum for reliable operation at the industrial facility. A plastic sun shield protects the unit from persistent UV rays during daytime monitoring. This IP66-rated weatherproof unit resists the negative effects of non-corrosive liquids. The IP camera is capable of operating in temperatures between -22°F - 140°F.

Wiring: The camera features ethernet and power connectors, which are located at the back of the unit and fed through the mounting base via a drop cable. It is possible to make horizontal adjustments to the device by configuring a set screw. Our cameras with Power over Ethernet (PoE) features enable data transfers and power to be passed through a single Ethernet cable that is usually a Cat 3/Cat 5 cable or better. There are several types of PoE, which come with their own respective standard and maximum power to port capabilities. The IEEE 802.3af PoE standard, with a voltage range of 44.0 - 57.0V, offers 15.4W of DC power for each port. The IEEE 802.3at PoE standard, with a voltage range of 50.0 - 57.0V, provides up to 30W of DC power per port, which is ideal for surveillance cameras, antennas and network access points. The IEEE 802.3bt PoE standard, with a voltage range of 50.0 - 57.0V, provides 60W of DC power for each port. In order

to utilize PoE properly, the components, such as the receiving unit and sending device, must be PoE compliant.

Security Tower: This telescoping five stage aluminum mast from Larson Electronics is designed to allow operators to quickly and safely deploy the outdoor camera in locations where this equipment must be elevated to heights up to 30` for effective coverage. This boom can be extended to 30` for maximum area coverage and collapsed to 8.75` for applications where a smaller footprint is required. The tower has a base section 6.6` in length and 6" by 6" by 3/16" thick, lower section 6.78` in length and 5" by 5" by 3/16" thick, middle section 6.93` in length and 4" by 4" by 1/8" thick, upper section 7.08` in length and 3" by 3" by 1/8" thick, and top section 7.58` in length and 2" by 2" by 1/8" thick. Each section has a 1` overlap. The mast is extended to its full height using an included 3,000 lbs electric winch with 3/16" galvanized steel cable.



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The electric winch on this mast is offered in 120V or 240V AC 50/60 Hz. Additional voltage options are available at an additional charge. Larson Electronics can offer single phase and three phase AC winches, or low voltage DC winches.

The LM series of telescoping towers are powder coated with glossy blue finish for corrosion resistance and aesthetics. These light masts are typically mounted to trailers or other stable surfaces via a 18" by 18" by 1/4" thick mounting base-plate which has been drilled to accept six 9/16" anchor bolts. An adaptor plate is attached to the upper section of the mast which provides a strong and stable platform for the outdoor camera.

The LM family of telescoping towers feature a proprietary mast guidance system, which provides increased stability during high winds. When lowered to 8.75`, the mast can withstand winds up to 125 mph. 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 with ease in either direction. The mast can be positioned in one of four different directions, and locked back in place by re-tightening the T-handle. The mast itself spins freely, and can typically be rotated with a single hand.

This light tower weighs approximately 450 lbs. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 9.5` long, 4` wide, 5` tall and weighs approximately 1250 lbs. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. We also offer a choice of either the manual 3,000 lbs hand winches included standard or optional electric winches.

Applications: Security systems, remote surveillance, general locations, law enforcement, police, indoor/outdoor facilities, commercial establishments, monitoring, military, industrial sites and more.

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)

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Product ID: 274842

Export Control Classification Number (ECCN): EAR99

Options:

LM-30-8.75-5S-FM-ALU-EW-IDCMR-IP-4MP-R1-Winch Voltage

Example: LM-30-8.75-5S-FM-ALU-EW-IDCMR-IP-4MP-R1-120V

Winch Voltage	
120V	-120V
240V	-240V

Links (Click on the below items to view):

- [HigResPic1](#)
- [Video1](#)
- [Video2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)