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WCDE-6K-25FT-4X2MP-M1

25' Telescoping Mobile Security Tower - 6 kW Diesel Generator, (4) Cameras

Product ID: 305213

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.

WCDE-6K-25FT-4X2MP-M1 Telescoping Mobile Security Tower

Genset Specs:

Engine: Kubota D1105-BG-ET01
Engine Type: Vertical, liquid-cooled, 4-cycle diesel engine
Engine Speed: 1800 RPM
No. of Cylinders: 3
Generator: Marathon Pancake 6KW 4-Pole Brushless
Voltage: 120/240V Single Phase
Battery: 12V
Fuel Cell Capacity: 30 Gallons
Fuel Delivery: Electric
Noise Level: Db level 63 @ 23 ft
Breakers: (1) 30A 3P [120/240V], (1) 20A 1P [120V]
Receptacles: (1) L14-40R [120/240V], (1) 5-20R Duplex [120V]

Features/Specifications

6 KW Kubota Brushless Genset
30 Gallon Fuel Cell
External Grounding
Low Oil, High Engine Temp Auto Shut-Off
Hour Meter - Alternator Warning
Withstands 50 Mph Winds at Full Extension
IP66 Camera
492` IR Recording Distance
Padlocks for Security
Metal Trailer Enclosure
Internal Mast Head Storage

Mast Specs:

Mast Type: Manual Crank-Up
Boom Height: Up to 25`
Materials: Galvanized Steel
Operation: Manual Hand Crank Winch
Winch: 2500lb, Self-Braking
Stages: -

Security Camera Specs:

Camera Type: Security Camera
Dimensions:14.38" H x 7.12" D
Connectors:1.0Vp-p, 75 Ohm, BNC
Effective Pixels:2.1 MP, 1920 x 1080 Resolution
Power Supply: 24V AC (PoE - 802.3at)
Sensor: CMOS
Viewing Angle: 58.3° (Wide) - 3.2° (Tele)
Connectivity: IP/Network Wired
Infrared Range/Wavelength: 492`/850 nm
Minimum Illumination: 0.02 Lux @ F1.6 AGC On, 0 Lux w/ IR
Electronic Shutter: 1 ~ 1/10,000s
Lens: 4.7-94mm Varifocal Lens
Optical Zoom: 20x
Day/Night: ICR
Video Framerate: 1080p @ 30fps
Video Offload: MP4
Support: ONVIF Profile S, H.265 Codec
Ambient Temp Range: -22°F to 149°F
Video Output: (1) BNC
Housing: Aluminum
Lens: Polycarbonate

Trailer Specs:
Dimensions: 14' x 6.5'
Internal Storage: Mast Head
Materials: Metal Enclosure
Trailer Hitch: 2" Ball and Pintle Hitch
Tongue: Foldable
Jacks: Rear Stabilizing
Mount Spare Tire: Included
Tires: 15"

Shipping Dimensions: -
Shipping Weight: -

Special Orders - Special Requirements
Contact us for special requirements

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Made in Texas

The WCDE-6K-25FT-4X2MP-M1 Telescoping Mobile Security Tower from Larson Electronics is a security surveillance package with remote monitoring, powered by a water cooled diesel engine turning a single bearing 6,000 watt generator. There are four, PTZ day/night IP cameras mounted at the top of the mast. Protected by a heavy-duty trailer with metal enclosure, the entire system is secured to a portable trailer.

The WCDE-6K-25FT-4X2MP-M1 tower is a self-contained security tower package that is capable of reliable monitoring in outdoor locations. This unit contains a water cooled diesel engine powering a 6,000 watt generator, which supplies the current to four pan tilt zoom cameras. For optimal positioning, the unit includes a telescoping mast, which can elevate the four cameras and 4 LED lights to a height of 25 feet.

Generator: The WCDE-6K-25FT-4X2MP-M1 mobile light tower incorporates a long list of impressive features. The diesel engine is a water cooled Kubota that operates at 1,800 rpm. This engine features key operated electric starting, a full twelve volt electrical system, automatic low oil pressure and high temperature safety shutoffs, dual fuel filters and easy access oil and radiator drain ports to facilitate maintenance. A 30-gallon fuel tank allows the engine to operate continuously. The 6,000-watt generator is a single bearing design and produces 120/240 volt current at 60 Hz. The generator uses a four wire hookup system with an external ground allowing for setting up both electrical and mechanical safe grounding systems.

Cameras: The WCDE-6K-25FT-4X2MP-M1 features four IP security monitoring devices providing operators with crisp 1080p full-HD high resolution images. Each camera includes a 4.7-94mm varifocal lens that automatically adjusts focus, providing operators with precise 20x optical zoom levels. Integrated long-range IR LEDs, with a wavelength measurement of 850 nm, enable the day/night cameras to see distances up to 492` under nighttime conditions. This units offload videos in MP4 format and feature H.264 and MJPEG video compression. The devices support ONVIF Profile S and H.265 codec. These IP security cameras are designed to perform in outdoor locations and rainy conditions with the addition of de-fogging features. This IP66-rated units resists the negative effects of non-corrosive liquids and capable of operating in temperatures between -22°F and 149°F.

Telescoping Boom: The telescoping boom extends up to 25 feet through the use of a manual self braking winch and allows for rotating the cameras 360 degrees. The telescoping boom is constructed of galvanized steel to resist rusting and corrosion and is capable of withstanding 50 mph winds when extended to its full height and with the stabilizing leveling jacks deployed.

Controls: The operating system for this unit is a centrally located control panel within the tower enclosure. An individual hour meter tracks unit operating time. Also included is an alternator warning light, fuel primer system, preheating switch, and a 120 volt GFCI duplex receptacle for auxiliary power takeoff.

Trailer: The entire assembly is mounted on a 14'-L x 6.5'-W trailer, which is equipped with a folding trailer tongue and 2" ball and pintle trailer hitch. A metal

enclosure stores the mast head during transportation. For compact transportation, the mast folds over the trailer and enclosure. Rear stabilizing jacks are available for stable deployment. Heavy-duty 15" tires enable seamless mobility around the site.



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Applications: Security, monitoring, outdoor surveillance, covert operations, concerts, large events, law enforcement, military, perimeter security, commercial safety, industrial facilities 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)