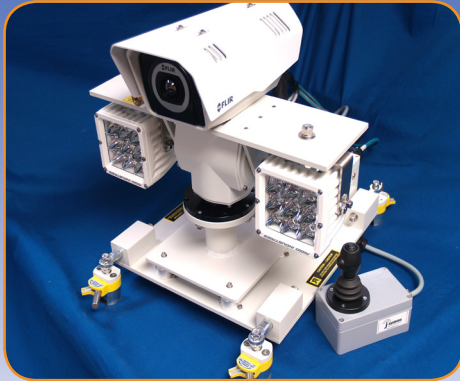
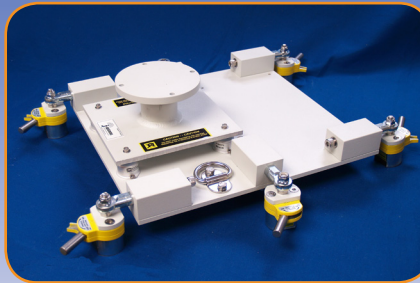


Mobile Mount System (MMS) For Rapid Deployment

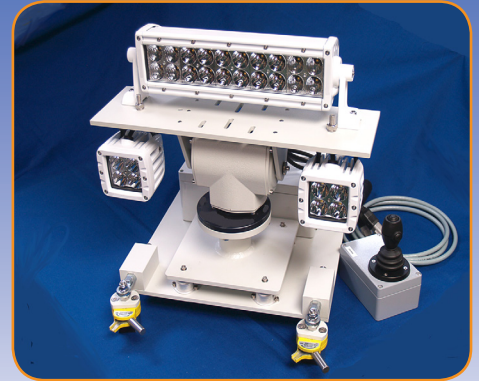
Steerable, variable speed mobile pan / tilt mounting platform for high intensity LED lights, camera, or antenna.
Available with On-Off magnets, shock isolated mounts, and joystick microprocessor control system.



Thermal or 32X HD Color
Camera w/ Spotting Laser (Opt),
High Intensity LED Lights or
IR Illuminators (Opt)



Basic Mobile Mount w/ Gimbalbed
On-Off Magnets, Shock Isolated
Riser Pedestal. Powder Coated
Aluminum and Stainless Hardware



Steerable High Intensity LED Light
Plant. Control Lights and Pan/Tilt
Position Using Joystick

Mobile Mount Systems

Originally developed for a US Government Agency, the Mobile Mount System (MMS) is a highly engineered roof top platform allowing rapid deployment of steerable speciality cameras, high intensity spot lights, IR illuminators, or an antenna.

With its' powerful gimbalbed ON-OFF magnets the system can easily be mounted to a vehicle's steel roof. A wired joystick can be mounted inside the cab of the vehicle for easy variable speed operation of the pan and tilt positioner, as well as, control of the LED spot lights and optional green spotting laser.

A variety of cameras are available for this solution. These range from thermal cameras which offer heat signature identification in total darkness to 32X AutoFocus HD IP cameras. IEEE 802.3af/at PoE+ is available to power the camera. An optional 5.8 GHz radio allows wireless viewing of the video.

Mobile Roof Top Mounted Pan/Tilt Camera and Lighting Systems Ideal for Rapid Deployment

FEATURES

- Easy Deployment - System Weighs Approx 34 lbs (fully loaded)
- Rugged Design - Shock Isolation Provided (Pan/Tilt & Ctrl Encl)
- IEEE PoE+ Power For Camera
- Features the Rugged JPTH-13M Pan/Tilt Head
- Micro Processor Control System, variable speed and Presets
- Joystick Controls Pan/Tilt, LED Lights, and Spotting Laser
- Super Strong, Gimbalbed ON-OFF Magnets
- LED Spot Lights to 11,000 raw Lumens (Opt)
- 30mw Green Spotting Laser (Opt)
- 12VDC Operation, -30C to +70C Operation

Ideal For
Utility Repair Crews, Rail Yard Security,
Law Enforcement, Fire & Police
Deployments, Construction Site Security,
Search and Rescue, Wildlife Monitoring

J-Systems, Inc.

1S 678 School Ave., Lombard, IL 60148 • T 630-627-3458 F 630-620-0960

Web Site: <http://J-Systems.com> • E-Mail: info@J-Systems.com

Specifications Are Subject to Change Without Notice

CONFIGURATIONS AVAILABLE:

The following options are available for the MMS:

- FLIR FC6185 Thermal Camera 35mm Lens (as shown)
- 32X HD Color Camera w/ Auto Focus in Camera Enclosure
- LED Pod Lights (small LED lights that hang underneath the Pan/Tilt top plate) (as shown)
- 10" Double Row LED Light Bar (cannot be used with camera or green spotting laser)
- LED IR Illuminator Pods (hang underneath the Pan/Tilt top plate)
- 5.8GHz Wireless radio (built inside the electronics enclosure w/ internally mounted short range antenna)
- Green Spotting Laser (as shown)
- Other Cameras (call for selection assistance)



Both the Joystick and Power connections utilize easy to install waterproof tool-less connectors; taking the Mobile Mount on and off the vehicle roof is very easy.

The Joystick is built into a small, rugged Aluminum waterproof enclosure. The main control enclosure is Polycarbonate and tough as nails. The optional 5.8GHz radio and short range antenna are mounted inside the control enclosure. Depending upon the camera selected, either an iPad, Android tablet, or Smartphone can be used to view the camera's live video wirelessly.

The joystick allows for variable speed pan/tilt control, as well as, control of the spotting laser and LED spot lights from inside the vehicle. The microprocessor offers up to 17 preset pan/tilt positions that can be user defined, stored, and recalled. They may also be utilized in an Auto Patrol mode. The Joystick push buttons that control the lights are programmable; momentary ON or true ON-OFF functionality. Position is managed via a closed loop DC servo system.

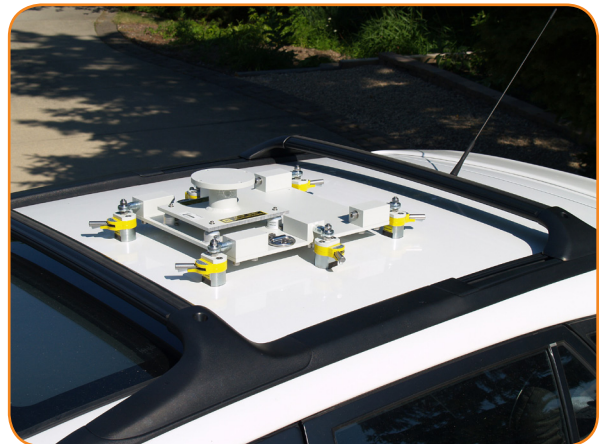
The control enclosure is mounted to a uniquely designed shock isolation pad. The riser pedestal that holds the pan/tilt head and camera / lights, is mounted to four shock isolators to help protect the camera, lights, laser and pan/tilt head from sudden road shocks.

This system is built to last, rugged in every sense of the word!

APPLICATIONS

Depending upon the final configuration of the Mobile Mount System, it will find wide acceptance where ever night time operations must be conducted. The following are just a few examples:

- Wild Life Management
USDA, Ranchers
- US Border Patrol / Drug Enforcement
- First Responders
Police, Fire, Security, Tow Truck Drivers
- Utility Repair Crews
Power, Telephone, Internet Providers
- Rail Road Security
Rail Yards, Repair Facilities
- Search and Rescue
Ground Based Search Teams
- Construction Site Security



Fully loaded, this mobile mount weighs approximately 34 lbs and can be mounted to the steel roof of a vehicle in less than 30 seconds by two people. The On-Off magnets are gimbaled to allow for easy mounting to any roof contour and designed to prevent paint damage to the roof of the vehicle.

When night time operations are required, the Mobile Mount configured as a light plant, provides steerable bright white light to ensure safe operations can take place.

When operations require covert night vision or simply the need to see without visible light, then the Mobile Mount configured with a thermal imaging camera is perfect for locating suspects and missing persons.

Having the ability to steer both the camera and lights is essential from the security of the vehicle's cab. The green spotting laser used in conjunction with a thermal camera offers a perfect combination. In search and rescue operations, you may not be able to use the lights to illuminate a person, but that person will no doubt be able to see your lights from a long distance.

The Mobile Mount Systems have been designed for harsh environments and will last many years.

SPECIFICATIONS

Control Parameters

Pan/Tilt Head	Rugged All-Weather JPTH-13M Pan/Tilt Head Operation 10 Degrees/Second Pan/Tilt Variable Speed
Marine Grade LED Spot Lights IP69 Rated (3) (OPT)	Small POD LED's provide 3,120 raw lumens each Large 10in LED provides 11,000 raw lumens
Spotting Laser (OPT)	All-Weather 30mw Green Spotting Laser Generates a 1 Deg. Horizontal or Vertical Line Depending on Mounting Orientation
Joystick	All-Weather 2-Button Rugged Remote Joystick in Alum Enclosure (Controls Pan Tilt, LED's & Laser)
Wireless Radio	Ubiquity 5.8GHz Hardened Radio (Inside Ctrl Enclosure)
Antenna	Embedded 2.4/5.8 GHz Mounted (Inside Ctrl Enclosure)
Control System	Microprocessor Control System - all solid state. Variable Speed P/T, 17 User Defined P/T Presets, AutoPatrol, and Programmable Joystick Light Control Buttons
Control Enclosure	All Weather Polycarbonate Box Mounted on Shock Isolation Pad
Thermal Camera (OPT)	FLIR FC 618 w/ 35mm lens & 4X Zoom
32X HD Camera (OPT)	Samsung SNZ-6320 32X Auto Focus HD IP Camera
Mid-Span PoE+ Injector	IEEE 802.3af/at PoE+ for Camera
Radio PoE Injector	Provides 12VDC PoE radio power (Pins +4/5 and -7/8)
Shock Isolators	Qty 4 Shock Isolators for Camera & Pan/Tilt
3.25 in Tall Pedestal	Special Shock Isolated Pedestal for P/T & Camera
On-Off Magnets (Gimballed)	Qty 6 Each Rated for 150lbs on 10 ga. steel
Tie-Down	2 SS D-Ring tie downs provided

Operating Parameters

Operating Voltage	Nominal 12VDC Vehicle Voltage
DC Bus Fuse	Automotive Blade Fuse Inside Ctrl Encl
Operating Temperature	-30C to +70C All-Weather
Power Consumption	Varies - Depends upon configuration - under 10A
Size	12.5" L x 19" W x 6.5" H (Height w/o P/T & Camera)
Weight	Approx 34lbs Including Pan/Tilt, Camera and Lights

Warranty:

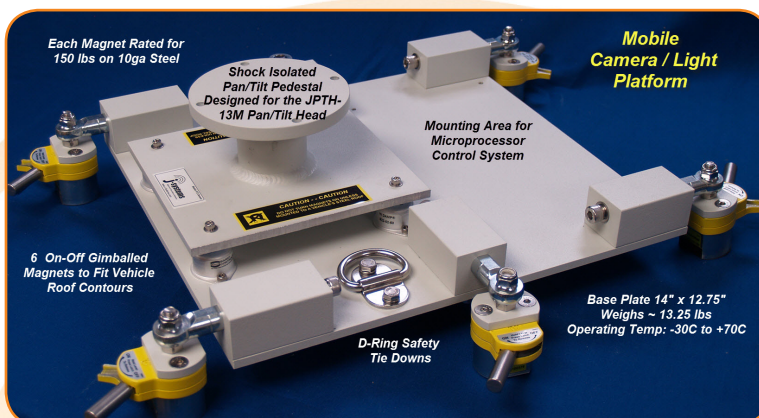
The MMS carries a 1-year warranty. LED lights carry a lifetime warranty from that manufacturer.

CAUTION:

While the MMS has been designed to be mounted to the steel roof of a vehicle, it was NOT designed to be left there permanently or when high vehicle speeds (over 35MPH) are planned. The system is NOT designed to be left on the roof when driving at highway speeds.

The magnets are rated for 150lbs pull off force when mounted to 10 ga. steel. Please note that most ALL vehicle steel roofs are NOT 10 ga. steel, but rather something much less.

Good practice when mounting the MMS to any vehicle roof is to always attach several steel safety lanyards to the provided D-Rings to positively secure the MMS to the vehicle roof.



J-Systems, Inc.

1S 678 School Ave., Lombard, IL 60148 • T 630-627-3458 F 630-620-0960

Web Site: <http://J-Systems.com> • E-Mail: info@J-Systems.com

Specifications Are Subject to Change Without Notice