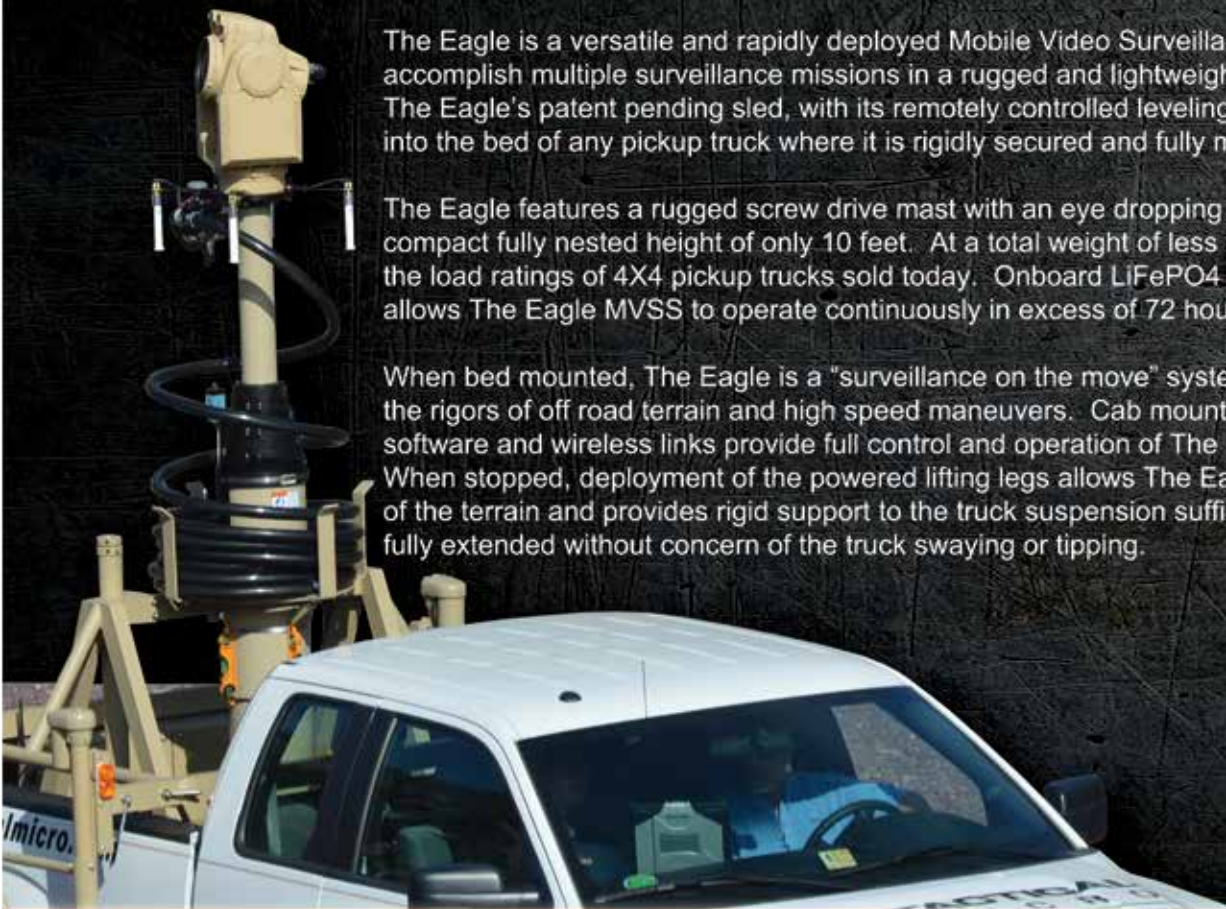


THE EAGLE MVSS

The Eagle is a versatile and rapidly deployed Mobile Video Surveillance System (MVSS) designed to accomplish multiple surveillance missions in a rugged and lightweight pickup truck mounted sled design. The Eagle's patent pending sled, with its remotely controlled leveling and lifting jacks, virtually loads itself into the bed of any pickup truck where it is rigidly secured and fully mission ready within minutes.

The Eagle features a rugged screw drive mast with an eye dropping fully extended height of 35 feet and compact fully nested height of only 10 feet. At a total weight of less than 900 lbs., The Eagle is well under the load ratings of 4X4 pickup trucks sold today. Onboard LiFePO4 batteries and a vehicle trickle charger allows The Eagle MVSS to operate continuously in excess of 72 hours on a single charge.

When bed mounted, The Eagle is a "surveillance on the move" system able to go anywhere and withstand the rigors of off road terrain and high speed maneuvers. Cab mounted Toughbook laptop with surveillance software and wireless links provide full control and operation of The Eagle from the confines of the cab. When stopped, deployment of the powered lifting legs allows The Eagle sled to be fully leveled regardless of the terrain and provides rigid support to the truck suspension sufficient to allow the Eagle's mast to be fully extended without concern of the truck swaying or tipping.



MOBILE VIDEO SURVEILLANCE SYSTEM

MOBILE VIDEO SURVEILLANCE SYSTEM

Long range best in breed wireless links installed on both The Eagle and the cab allow The Eagle to operate completely untethered from the support truck. Within minutes, The Eagle can lift itself up from the bed and the truck can be driven away, leaving The Eagle behind as a remote surveillance pod—controlled and monitored up to several miles away. Multiple Eagles can be deployed in this fashion and all controlled remotely from a single support truck. An add-on solar panel can augment the onboard battery capacity to allow continuous operation when untethered.

Optional man worn surveillance vests allow personnel to patrol on foot and have their point of view video and audio remotely monitored and recorded up to several miles away. Ten or more man worn vests can be connected to a single Eagle MVSS.

The Eagle MVSS can accommodate a host of camera systems and electronics, limited only by the maximum mast head load of 150 lbs. Typical surveillance configurations include long range thermal and day optics cameras in a rugged gyro stabilized gimbal with an eye safe laser range finder and laser pointer.

The functional versatility of The Eagle MVSS coupled with its easy to deploy mobile design, provides military, law enforcement and private security customers a powerful solution for missions of force protection, crowd control, border patrol, facility security, search and rescue and just about any surveillance requirement.



THE EAGLE MVSS

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THE EAGLE MVSS



MOBILE VIDEO SURVEILLANCE SYSTEM

MVSS SPECS

DIMENSIONS: 67IN L X 55IN (FRON VEHICLE BED TO THE NYCOIL RETAINER X 93IN W
WEIGHT: LESS THAN 900 LBS
MATERIAL: DESERT ALUMINUM
CPU PROCESSOR: RUGGED LAPTOP
BATTERY TYPE: ULTRAENERGY LiFePO4
BATTERY VOLTAGE RANGE: 24-28 VDC
BATTERY MAXIMUM DISCHARGE: 50 A
BATTERY WEIGHT: 32.6 LBS (2 EACH)
BATTERY OPERATING TEMP: 30°C TO +70°C
SOFTWARE OPERATING SYSTEM: LAPTOP DEPENDENT
POWER VOLTAGE: 24 VDC
POWER OPERATING TEMP: -40°C TO +70°C
MAST HEIGHT (EXTENDED): 35'-8" FROM GROUND
MAST HEIGHT (NESTED): 10'-0" FROM GROUND TO TOP OF CAMERA
PAYLOAD CAPACITY: 150 LBS
MAST RAISE TIME: 2 MINUTES, 45 SECONDS
DEPLOYMENT WINDSPEED: 34 MPH
SURVIVAL WINDSPEED: 80 MPH



CAMERA SPECS (Typical; can vary per unique customer needs)

TYPE: PVP AEO NIGHT HAWK CMG
IR CAMERA: UNCOOLED LWIR 640 X 512; 25-225MM LENS CZ
IR PIXEL PITCH: 17 MICRON
VISIBLE CAMERA: SONY EX 1010 BLOCK W/ AUTO FOCUS; DAY/NIGHT MODE; IMAGE STABILIZATION
EYESAFE LASER EO: LASER RANGE FINDER (20KM); LASER POINTER (10KM); LASER ILLUMINATOR
POSITION ACCURACY: 0.0006 DEG
ENVIRONMENT: MARINE TO MIL-STD-810; HUMIDITY, SALT, FOG, SOLAR LOADING, BLOWING SAND/DUST/RAIN
CONNECTIVITY: FULL ETHERNET READY TCP/IP
SOFTWARE: ICD AND NIGHTHAWK GUI AND CONTROL

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