The M1-D is the next generation in multi sensor pan tilt imaging systems. The M1-D combines ultra high resolution 640x480 thermal sensor with a crisp CCTV imaging camera and long range laser pointer. The M1-D is a fully weatherized system that is compatible with most existing vehicle, vessel or facility infrastructure. The M1-D’s ultra compact form factor and easy installation lets you mount the system virtually anywhere. The M1-D is the ultimate in 360 degree situational awareness.

ULTRA COMPACT MULTI SENSOR PAN TILT SYSTEM

UP TO 640x480 HIGH RESOLUTION THERMAL SENSOR
640x480 thermal resolution provides 307,200 pixels for the ultimate in imaging quality and long range target performance.

MULTI SENSOR SYSTEM - CCTV, FLIR AND LASER
Combines a CCTV visual imaging camera with state of the art thermal sensor and an integrated laser pointing device.

ZOOM THERMAL IMAGING
Perfectly matched zoom settings for any mission from short to long range (2X to 8X thermal zoom).

ULTRA COMPACT LIGHTWEIGHT SYSTEM
Weighing in at ~2lbs, the 4.5” diameter system is designed specifically to withstand the harsh field conditions while minimizing package dimensions. Easily mounts in virtually any application.

IMAGE PRESENTATION
Monochrome and Color modes to enhance user situational awareness and aide in target detection. Advanced OSD (On Screen Display) features adjustable crosshairs and position readout.

FLEXIBLE CONTROL OPTIONS
Utilizes industry standard interface protocols for easy integration into existing systems. Can be operated from dedicated controller, existing controller or PC.

DIGITAL DETAIL ENHANCEMENT
For resolving the finest of image details at ultra long ranges.

HIGH STRENGTH MAGNETIC BASE
Easily mounts to vehicles with magnetic base. Can be hard mounted.

OPTIONAL ACCESSORIES
A variety of Laser Pointer options, thermal optics and controllers are available as well as advanced stabilization to further enhance your investment.
The Multi-Sensor Ultra Compact Imaging System is designed from the ground up to balance rugged all weather performance and operator comfort. The ultra lightweight compact design allows you to deploy the system across the widest array of platforms. Multiple sensors greatly enhance operator awareness for 24/7 360 degree situational awareness. Laser indicating further enhances operational capabilities by bringing in your whole team.

**THERMAL IMAGING PERFORMANCE**

- **Sensor type**: 640x480, 320x240, 160x120 MicroBolometer Thermal Sensor
- **Zoom**: 2x, 4x, 8x
- **Automatic features**: Auto focus through zoom, AGC, Digital Image Enhancement, DDE

**SYSTEM FEATURES**

- **PAN**: 360 degrees continuous
- **TILT**: 180 degrees
- **Laser Pointer**: Integrated into system IR or Visible (IR LASER DOD ONLY)
- **CCTV**: Daylight / Low light matched integrated CMOS video camera

**OUTPUTS**

- **Video**: NTSC/PAL Video, optional Digital Interface
- **Connector types**: BNC
- **Image presentation**: Monochrome, color and On Screen Symbology
- **Image Storage**: Optional digital thermal video storage

**POWER**

- **Power requirements**: 12 VDC

**ENVIRONMENTAL**

- **Operating temp**: -32°C to 55°C (-26°F to 131°F)
- **Dimensions**: 6” X 4” X 3.5”
- **Weight**: ~2lbs
- **Mounting**: Magnetic and hard mount

**INTERFACES**

- **Command and Control**: RS 485

**STANDARD PACKAGE**

- **Mounting**: Integrated magnetic mount base
- **Lens cleaning kit**: Complete cleaning kit in nylon pouch
- **Cables**: 20’ main cable standard
- **Operator’s manual**: With quick start guide

**OPTIONS**

- **Image Stabilization**: Multi Axis stabilization module, Hard mount vibration stabilization
- **Network Interface**: Network interface encoder.
- **Control Interface**: Control keyboards with integrated LCD 3”-8”.

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