

SPI CORP

M1-D

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

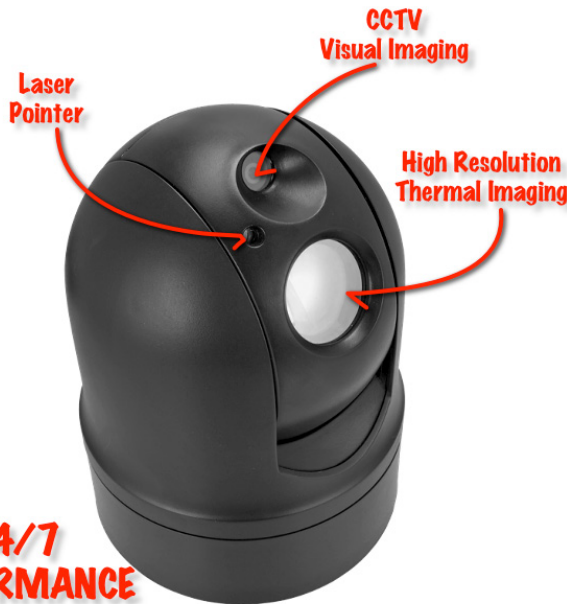
For resolving the finest of image details at ultra long ranges.

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.



Low Cost High Performance Imaging Systems

Sierra Pacific Innovations Corp
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CAGE: 1TLJ7
DUNS:007036072
Small Business

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 vehi-

cle, 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.



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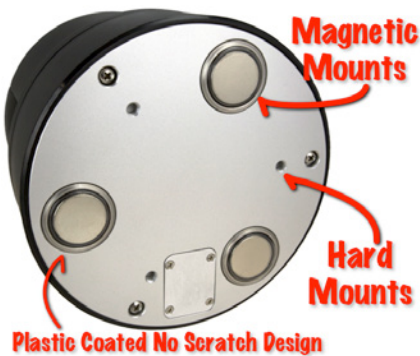
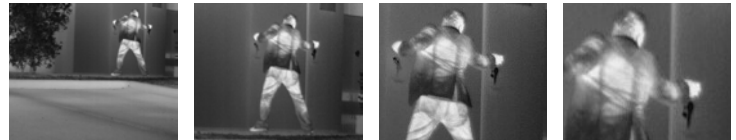
M1-D

"The system utilizes industry standard control protocols enabling the use of a wide range of custom and off the shelf controller options."



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.

1x >>> Thermal Zoom >>> 8x



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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