The RAZ-IR MAX-SL is an easy to use and powerful thermal infrared camera. The RAZ-IR series of infrared cameras from SPI CORP are in use around the world in some of the most demanding environments. The MAX-SL is the entry level model designed to give you maximum value for your thermal imaging budget. The key to any thermal imager is of course the image quality of the sensor. That is why the MAX-SL makes use of full resolution imaging sensors. Other entry level cameras use fractional sensors with odd resolutions of 120x120, 80x60 or even 60x60. The MAX-SL provides a full native 160x120 pixel resolution and operates at full real time 60Hz imaging rate (those other cameras are usually only giving you 7-8 frames a second). There is no excuse for choppy low resolution thermal video when you can have the MAX-SL. Full range temperature measurement is yours with the MAX-SL from 0-2500°C while other cameras only measure to 1000°C. Of course the MAX-SL is a potent thermal analysis instrument that includes post processing software. Easily download radiometric JPEG images for analysis via USB or removeable SD Card. Other cameras have internal storage that limits your capabilities while the MAX-SL lets you change SD cards for unlimited storage. Finally, the MAX-SL operates on AA rechargeable batteries instead of proprietary internal batteries so you never have to stop scanning. The RAZ-IR MAX-SL gives you more than any other camera but costs you less. Invest in a RAZ-IR MAX-SL, the SMART CHOICE!

SMART FEATURES

AA BATTERIES
Common AA rechargeable batteries so you are never stuck with a dead thermal camera.

SAY NO TO PROPRIETARY BATTERIES, SAY YES TO FREEDOM!

SD CARD REMOVEABLE
Uses standard SD Card memory cards to store images.
Kit includes 2gb card.

SAY NO TO THE RESTRICTIONS OF INTERNAL MEMORY, SAY YES TO UNLIMITED STORAGE!

HUGE SCREEN
Don’t sacrifice screen size for price. Don’t be embarrassed by your screen size. Maximize value with big screen resolution.

SAY NO TO A CHILDS SCREEN, SAY YES TO THE BIG DOG!

Applications
- Predictive and preventative maintenance
- Electrical inspection
- Building diagnostics
- Technical diagnostics
- Veterinarian helper

SIERRA PACIFIC INNOVATIONS CORP
LAS VEGAS, NEVADA
PHONE: 702-368-3986 - FAX: 702-368-3977
WWW.X2O.ORG
### Specifications

#### Thermal
- **Detector Type**: Uncooled FPA microbolometer (160 x 120 pixels, 25μm)
- **Thermal Sensitivity**: High
- **Spectral Range**: 8-14μm
- **Field of View / Focus**: 20.5° x 15.5° / 11mm
- **Focus**: Motorized

#### Image Presentation
- **Display**: 3.6" TFT LCD with high resolution

#### Measurement
- **Temperature Measurement**: 0°C to 250°C
- **Accuracy**: ±2°C or ±2% of reading
- **Emissivity Correction**: Variable from 0.01 to 1.00 (in 0.01 increment)
- **Measurement Features**: Automatic correction based on distance, relative humidity, atmospheric transmission and external optics
- **Optics Transmission Correction**: Auto, based on signals from sensors

#### Image Storage
- **Type**: Removable 2GB SD card
- **File Format**: JPG with analysis records

#### Power System
- **Battery Type**: AA rechargeable battery, field-replaceable, AA Alkaline battery also usable
- **Charging System**: In battery charger
- **Battery Operating Time**: Over 2 hours continuous operation
- **External Power Operation**: AC adapter 110/220 VAC, 50/60Hz

#### Environmental Specification
- **Operating Temperature**: 0°C to 50°C
- **Storage Temperature**: -10°C to 60°C
- **Humidity**: Operating and storing 10% to 95%, non-condensing
- **Encapsulation**: IP-43
- **Shock**: Operational 25G, IEC 68-2-29
- **Vibration**: Operational 2G, IEC 68-2-6

#### Interfaces
- **USB 2.0**: Real-time image transfer to PC

#### Physical Characteristics
- **Weight**: 0.73KG (including battery)
- **Size**: 111mm x 124mm x 240mm
- **Colors**: Yellow & grey interlaced or red & dark interlaced alternate

---

**SIERRA PACIFIC INNOVATIONS CORP - LAS VEGAS, NEVADA**
**PHONE: 702-369-3966 - FAX: 702-369-3977**
**WWW.X20.ORG**

---

**What can you do with a Thermal Camera?**

**VETERINARY/MEDICAL**
- Thermal cameras are used to examine animals and human subjects for a variety of diagnostic protocols.

**ELECTRICAL PDM**
- Electrical predictive maintenance, inspections have been proven time and again to save money and lives.

**PUBLIC SAFETY**
- Inspect vehicles and surrounding areas for suspicious activity and faulty mechanical equipment.

**ENERGY AUDIT**
- Scan buildings and homes for expensive HVAC loss. The GREEN application of thermal cameras. Save the Planet with your RAZ-IR MAX-SL.