EXTECH®
INSTRUMENTS
A FLIR COMPANY

Experience the Extech Advantage®

InfraCAM™ SD
Thermal Imaging Camera

for maintenance/inspection of:

Mechanical systems
Electrical systems
Industrial process
Utilities
Food Processing
Automotive
HVAC/R

"Make mine an Extech!™"

Distributed By:

www.extech.com/thermalimaging

Why Thermal Imaging?

Thermal imaging InfraRed cameras can detect what no eye can see—the minor variations in temperature that can signal electrical or moisture problems. Infrared inspection with an Extech thermal imaging camera gives you the most powerful non-invasive monitoring and diagnosing tool. Detect hot spots, avoid electrical and mechanical failures, and locate HVAC balancing problems. Your results can be captured instantly and outputted as professional reports providing documented proof of your findings.

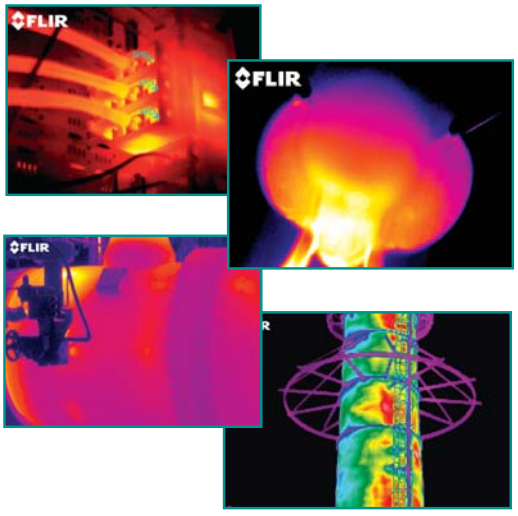
1 Find Problems Fast

Monitor and diagnose the condition of electrical system components to detect and address problems before the delivery of power is interrupted. Crisp thermal images are displayed on the super large 3.5″ color LCD, highlighting any anomalies that require attention.

- Ultra Portable. Weighs just 19 Ounces
- Industry Leading 7-Hour Battery Life
- The Most Compact Imager in its Class
- 2% Thermal Accuracy

2 Superior Image Sensitivity & Accuracy

The state of the art FLIR infrared detector with 2% accuracy produces highly sensitive thermal images that allow you to detect the subtle temperature variations (<0.12°C) which can signal faults in electrical components. See smaller temperature differences accurately and get sharper images!



Thermal Imaging technology is widely used in Automotive, OEM, Food, Manufacturing, Predictive Maintenance, Electrical, Mechanical and Home Inspection applications.

3 Industry Leading 7-Hour Battery Life

Lightweight, long life Li-Ion battery assures uninterrupted inspections for up to 7 Hours on a single charge!

Lightweight, Ergonomic and Rugged

At just 19 ounces, the InfraCAM SD™ is the lightest, most compact thermal imaging storage camera in the world. Ergonomically designed to comfortably and effortlessly hold in your hand. Dust and splash proof, the InfraCAM SD is drop proof and meets IP54 standards.

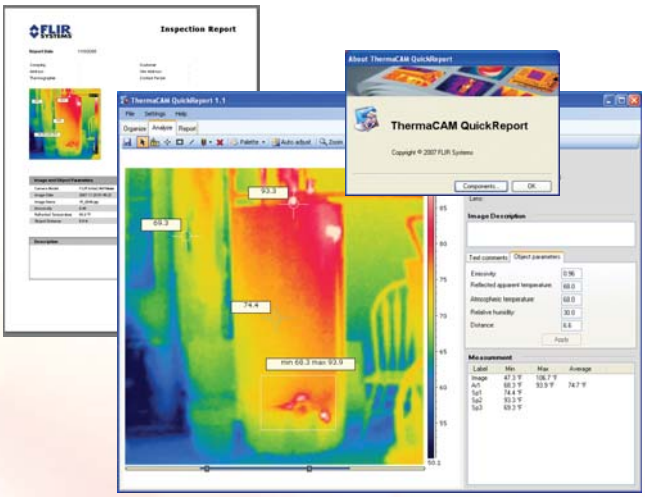
Pinpoint Problems with Precision

The built-in Laser LocatIR™ pointer quickly helps you associate the hot spot on the IR image with the real physical target. This feature greatly enhances the ability to target inconsistencies.

- **Easy to Use Imager that works Straight From the Box**
- **Super Large 3.5" Full Color LCD**
- **Stores Radiometric JPEG Images (all 14,400 pixels!)**
- **Built-In Laser LocatIR™ Pointer**

Download and Report!

Download your thermal images to a PC quickly and easily via SD Card or USB cable. Download, analyze and create reports from your images with our powerful and easy to use QuickReport™ PC software. The InfraCAM SD is also compatible with FLIR's feature-rich ThermaCAM Reporter 8 software.



True Preventive Maintenance

Thermal Imaging brings true preventive maintenance to plant and facilities maintenance. Increase productivity by planning service shutdowns, reducing line down situations and eliminating "Run to Failure" Downtime.

Quickly and easily scan entire electrical systems and motor banks without having to shut anything down. Inspect moving parts, dangerous areas, and other hard-to-reach spots. Instantly detect, document, flag and schedule for repair faulty connections, fuses, circuit breakers, water infiltrations and roof leaks, refrigerant, and duct leaks.

Radiometric Image Storage

The InfraCAM SD stores its images with unique ID in standard radiometric JPEG format on a standard SD Card. All 14,400 thermal pixels are saved and can be analyzed using QuickReport™ software. Stored JPEG thermal images can be inserted for sharing into e-mails, Word® and Powerpoint® documents without losing any of the valuable radiometric data. Full results can now be shared anytime, any place.

InfraCAM SD™ Thermal Imaging InfraRed Camera

Features:

- High accuracy of 2% and thermal sensitivity better than 0.12°C helps you find problems faster and easier — critical when measuring threshold values of thermally sensitive equipment
- Lightweight and compact size results in less user fatigue
- Long Battery Life lasts for 7 hours of continuous operation on a single charge for uninterrupted inspections
- Large 3.5" (89mm) color LCD with razor-sharp resolution
- Rugged meter with easy grip handle construction meets IP54 dust/splashproof standards
- The built-in Laser LocatIR™ pointer quickly helps you associate the hot spot on the IR image with the real physical target which greatly enhances the ability to target inconsistencies
- Standard 128MB SD card stores up to 1000 Radiometric JPEG images. All 14,400 thermal pixels of each image can be analyzed using the included QuickReport™ PC Software
- Complete with 128MB SD Card, Li-Ion rechargeable battery with 100-240V AC adaptor/charger, QuickReport software with USB cable, lens cap, hand strap, and heavy duty case

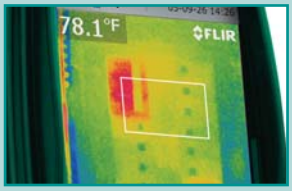
Download your thermal images to a PC quickly and easily via SD Card or USB cable

Ordering Information:

IRC55 ..... InfraCAM SD™ Thermal Imaging InfraRed Camera.....$4,995

Compact and Lightweight camera weighs only 19 ounces

Large razor-sharp colored LCD with ASP (Advanced Signal Processing)



Area feature identifies Min or Max Temperature within a designated area on the display

Easy to use menu features screen prompt icons.

Features	
Temperature range	14°F to 662°F (-10°C to 350°C)
Image Storage	1000 Images (SD card memory)
Emissivity	0.1 to 1.0 (adjustable)
Imaging Performance / Image Presentation	
Field of view/min focus distance	25° X 25°/0.3m
Thermal sensitivity (N.E.T.D)	<0.12°C at 25°C
Detector Type	Focal plane array (FPA) uncooled microbolometer; 120 X 120 pixels
Spectral range	7.5 to 13µm
Display	3.5" color LCD
Video output	MPEG-4 via USB
Image Controls	Palettes (Iron, Rainbow, and Black/White), level, span, auto adjust (continuous/manual)
Set-up controls	Date/time, info, LCD intensity, power down, and 16 languages
Laser Classification	Class 2
Laser Type	Semiconductor AlGaInP Diode Laser: 1mW/635nm (red)
Measurement modes	Spot, Area, Min/Max
Power Source / Environmental Specs	
Battery Type	Li-Ion (rechargeable)
Battery operating time	7 hours, Display shows battery status
Charging system	In camera, AC adapter or 12V from car with optional 12V cable
AC operation	AC adapter 90-260VAC, 50/60Hz 12VDC out
Voltage	11-16 VDC
Operating temperature range	5°F to 122°F (-15°C to 50°C)
Storage temperature range	-4°F to 158°F (-20°C to 70°C)
Humidity	Operating and storage 20% to 80%, non-condensing, IEC 359
Shock	25G, IEC 68-2-29
Vibration	2G, IEC 68-2-6
Dimensions/Weight	9.6x3.2x4.1" (243x81x103mm)/<19oz (0.55kg), including battery

Made in Sweden by FLIR SYSTEMS
The Global Leader in Infrared Cameras

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