FLIR Infrared Cameras for SprayFoam Professionals

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Agenda

• FLIR Systems- Company Overview
• The Evolution of Infrared Cameras
• Using Infrared in the Field
• Today’s Camera Options
• Software, Training and Support
FLIR Systems

1960’s

The First “Portable” Infrared Camera
FLIR cameras have become smaller, easier to use and more affordable.

- FLIR’s Detector Advancements have allowed for easier access to IR Technology.
Who is FLIR Systems?

- World’s Largest Manufacturer of IR Cameras
- Established 1970
- Headquarters: Boston, Ma
- Infrared Training Center
- Direct Field Support
- Wide Sales Distribution Network
- Continued R&D advancements to improve camera technology
So Why Does Temperature Matter?

Well, it matters a lot to this guy!
Why Infrared?

• Allows you to quickly find and evaluate
  - Poorly insulated areas
  - Missing insulation
  - Wet insulation
  - Air Infiltration
• Non Contact and non destructive
• Fast, Efficient, and Precise
• Allows you to Document with Images and Reports!
Infrared for General Insulation Market

- Missing Insulation
- Wet Insulation
- Air Infiltration
- Structural Deficiencies
- Duct Leaks
- Degraded seals around windows and doors
Missing Insulation
Cold Air Infiltration
Cold Air Infiltration

Windows

Outlets
Warm Air Infiltration from due to “settled” insulation”
Poorly Installed Insulation
Window Defects
Roof Leaks/Roof Moisture
Lots of Options

$1,195

$19,700
What to consider when buying an IR camera

- Thermal Resolution/Image Quality
- Valuable Features
- The Manufacturer
- Warranty
- Post Sales Support
- Price!
The FLIR ixx series
i3, i5 and i7

- 120x120 Resolution (i7)
- .10NETD
- Lightweight (14 Oz)
- Rechargeable 5 Hr Battery
- Mini SD storage for image capture
- Free Software for Reporting
- Free on-line Basic Training

I7 $1,995
The NEW FLIR E-Series bx

- Image Quality
- Wireless Communication
- Lens Versatility
- Video out
- Best IR and Visual Integration

Start at $2,500
**Superior** Thermal Sensitivity (NETD)

- .045 to .070 C

Pixel Resolution Options
- 160x120 to 320x240

E30 bx
- 160x120
- .07 C
- NETD

E40 bx
- 160x120
- .045 C
- NETD

E50 bx
- 240x180
- .045 C
- NETD

E60 bx
- 320x240
- .045 C
- NETD
WiFi- Wireless Communication
Lens Versatility

- Interchangeable Optics
- Wide Angle and Telephoto
Video Out

• IR camera becomes a selling tool
• Provide the digital video trade show advantages
• A training tool
Best IR and Visual Integration

- 3Mbp Digital Camera (2x better than b40 etc)
- Brighter LED Lamps
- Fusion
- Digital Zoom
- Laser
MeterLink
ITC TRAINING

• Free on-line BASICS courses

• RESNET approved Level I, II, III
• RESNET Approved BSI Class
• 2 Day Energy Specific Courses

• On-site Classes available for larger groups (12+)
Questions?

Thank-you!