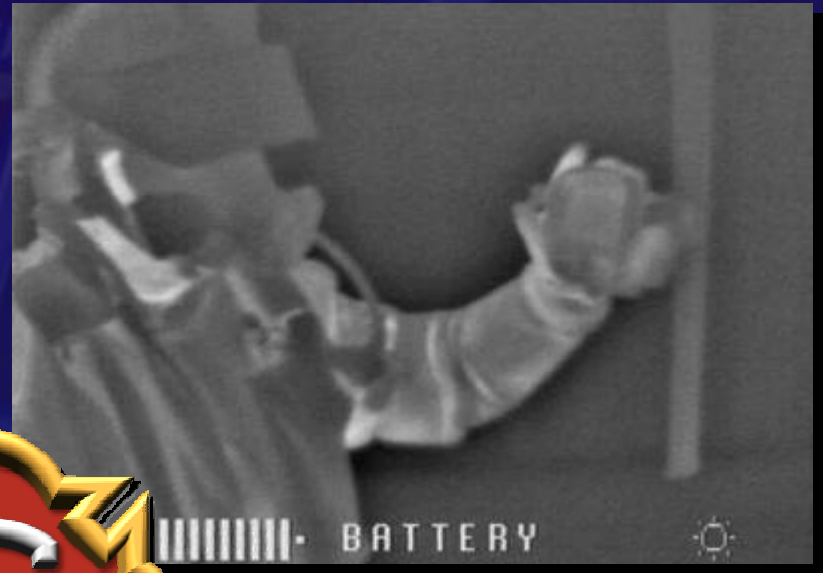
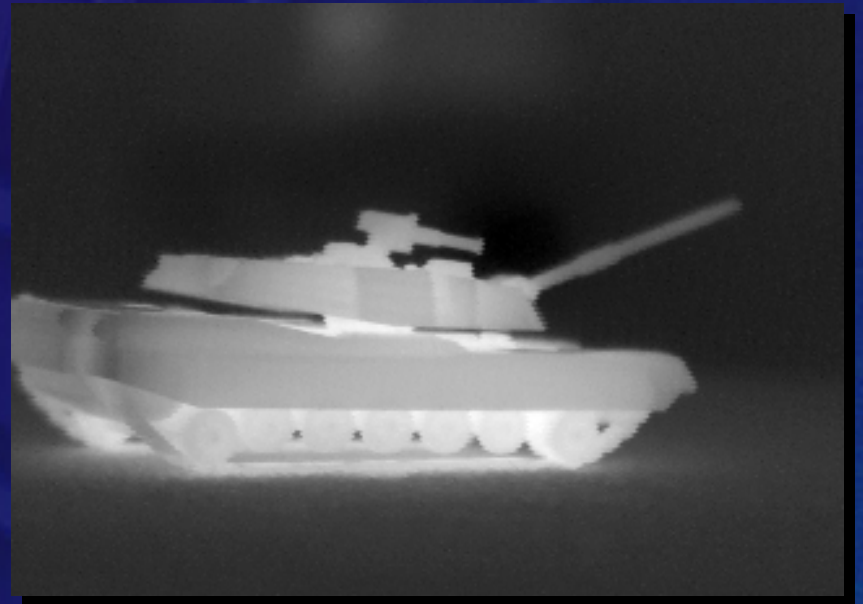


Fire Service Use of Thermal Imaging Cameras



Thermal Imaging Cameras

- From Military Technology
- Law Enforcement – 1980s
- Widespread Fire Service Use – Late 1990s



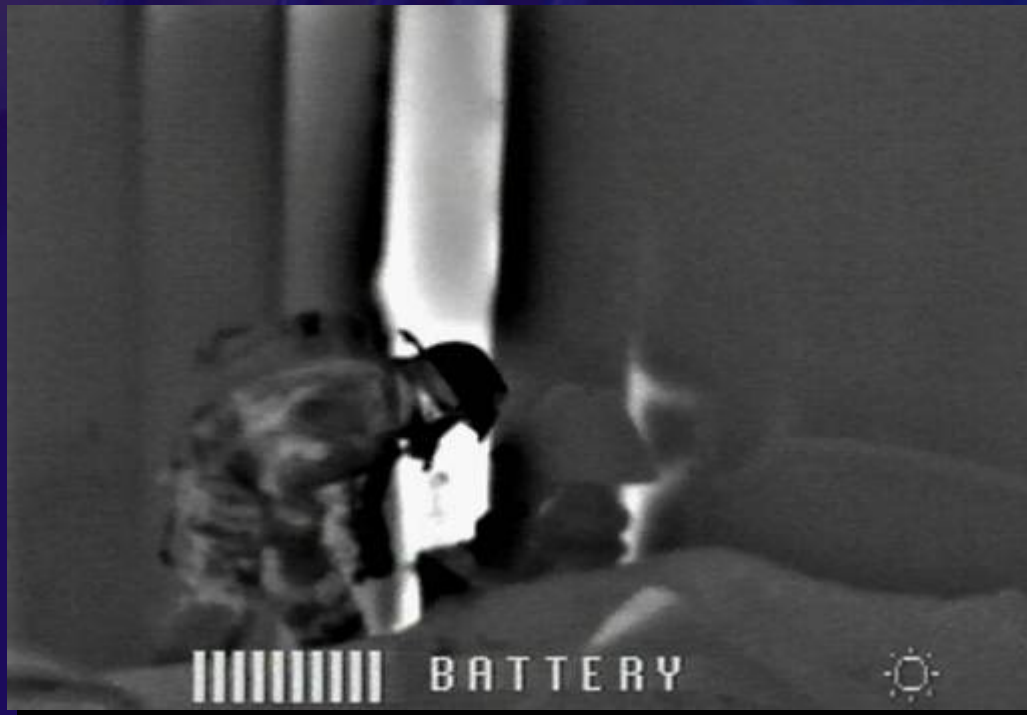
Thermal Imaging Cameras (TICs)

- Sensitive To Infrared Energy
- They “See” Heat



Thermal Imaging Cameras (TICs)

- Warmer Appears Lighter



TICs Make It Possible To...

- “See” Heat
 - Find Fire
 - Find Victims



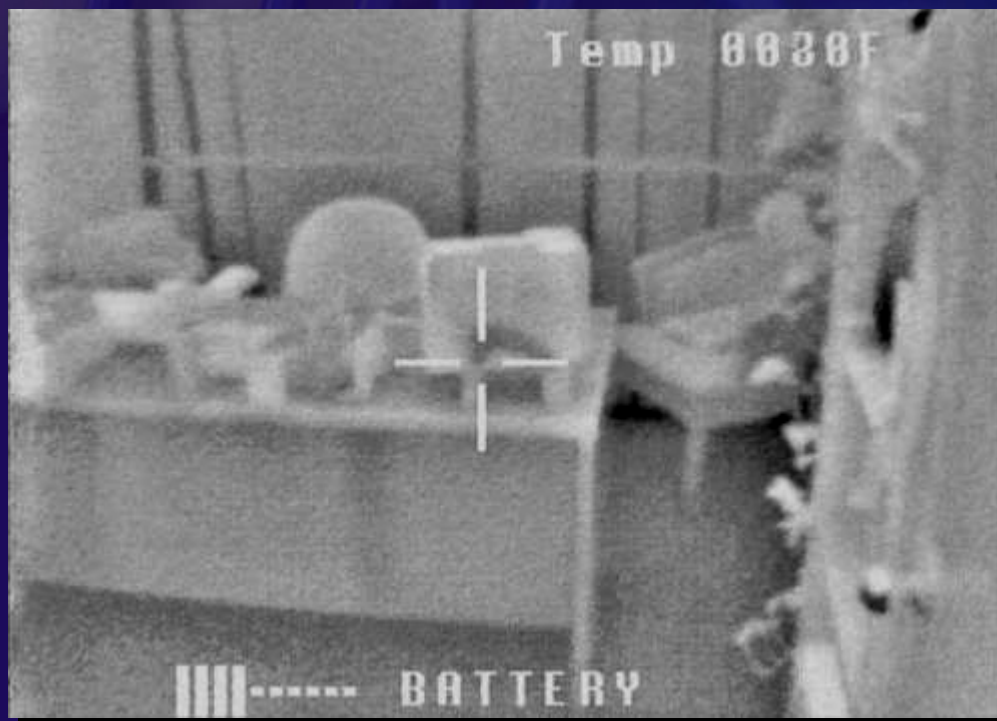
TICs Make It Possible To...

- See In Complete Darkness



TICs Make It Possible To...

- See Through Smoke



Benefits For The Fire Service

- Faster, More Efficient Search
(Life Safety Is Our #1 Priority)



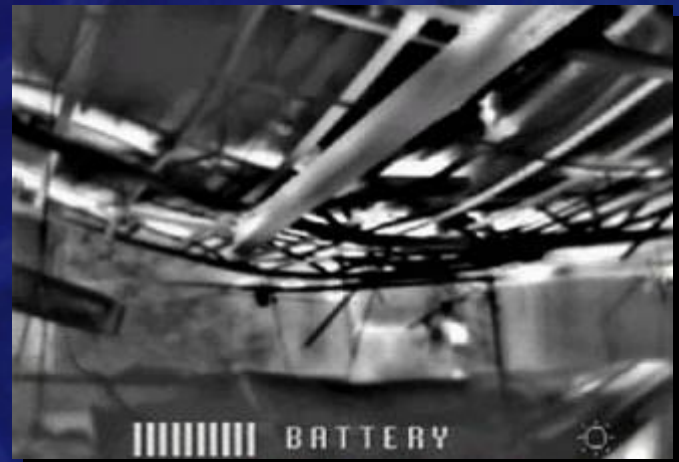
Benefits For The Fire Service

- Locating The Fire



Benefits For The Fire Service

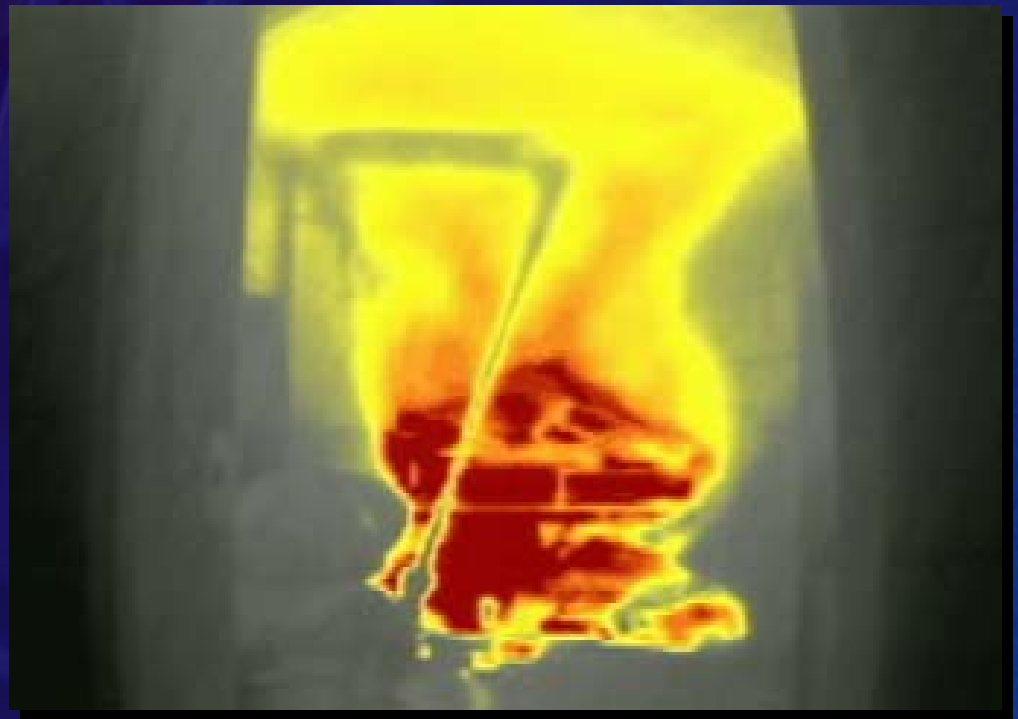
- Firefighter Safety
 - Situational Awareness
 - Structural Size-Up
 - Lost / Trapped Firefighters



Dallas Fire-Rescue Thermal Imaging Cameras



Dallas Fire-Rescue Thermal Imaging Cameras



Deployment

- 1999
 - First 15 Purchased
 - On Command Vehicles
- 2005
 - Added 10
 - Redeployed To Truck Companies
- 2007
 - Added 30: Funding for 5 was donated
 - All trucks + 9 engines + Back On Command Vehicles
- 2008
 - Add 45
 - All Trucks, All Engines, All Command Vehicles

Cost

- Initial Cost \approx \$14,000
- Current Cost \approx \$10,000
- Funding – 2008 Urban Area Security Initiative Grant



Fire Service Use of Thermal Imaging Cameras

Questions?

