



Evolution® 6000 Thermal Imaging Cameras
Application Quick Reference Card

WHEN YOU GO IN, WE GO IN WITH YOU.

Firefighting Applications

Firefighters can answer the following questions by using MSA's Evolution 6000 TIC for various applications:

Size-up

- What does the smoke hide?
- Where is the fire source?
 - Does more than one fire exist?
 - Has the fire spread?
- Is the structure safe for interior attack?
From where?
- What water support do I need?
- Are any exposures threatened?
- Do I need to vent? Is it safe to vent?

Interior Attack

- **Sees through smoke!**
 - Faster navigation through structure
 - Improved crew accountability
- Where is the fire's exact location?
- Has the fire spread to somewhere out of my sight?
- Do collapse risks exist?
 - Underneath/overhead
- Do explosion risks exist?
- Does potential exist for rollover/flashover?

Overhaul

- Do any hot spots remain?
 - Has the fire spread?
- Where do I need to pull the ceiling/wall?

Search and Rescue

- Faster navigation through the structure
- Identify victims within smoky environments
- Do fire dangers exist that I can't see?
- Do more victims exist than the number communicated?
- Faster time to find victims due to added TIC
sixth sense

Non-firefighting Applications



Vehicle Accidents

- How many victims were involved?
 - Heat signatures on seats
 - Helps responder to know if/how many passengers may have been ejected from vehicles
- Does any additional fire risk exist?
 - Smoldering components
 - Leaking fluids

Urban Search and Rescue (USAR)

- Are any victims hidden or incapacitated?
- Are any areas at risk of catching fire?

HazMat

- Determine chemical storage levels and stability
- Determine thermal stability/instability of spilled hazards
- Determine potential ignition areas due to elevated heat

Law Enforcement Assistance

- Fugitive searches
- Missing person searches
- Smoke evaluation for bomb risk:
 - Is it vehicle fire or vehicle bomb smoke?
 - Is it steam or a chemical bomb?