

Products Used:

- Intergraph Video Analyst® System

Key Benefits:

- Ability to capture, analyze, enhance, and edit nearly any type of video
- Provision of critical evidence to murder case

Profile:

Name – Charlotte-Mecklenburg Police Department

Web site –
www.charmeck.org/Departments/Police/Home.htm

The Charlotte-Mecklenburg Police Department is the largest local law enforcement agency between Washington, D.C. and Atlanta, Georgia. They have more than 1,200 uniformed officers trained in the latest law enforcement techniques.

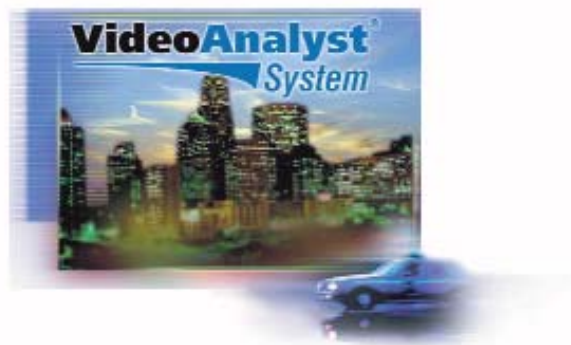
Size – Charlotte-Mecklenburg is physically located in the piedmont region on the boundary of North and South Carolina. It is the center of manufacturing, health care, education, transportation, culture and entertainment, and finance for a metro of 1.35 million.

Intergraph Provides Critical Evidence for Murder Trial

Police Need to Identify Triggerman in Murder Case

In August 2000, a man was murdered during an attempted robbery at his home on the west side of Charlotte, North Carolina. Witnesses described the clothing of the suspected robbers, and the Charlotte-Mecklenburg Police Department later arrested several suspects. However, questions continued about who actually killed the victim. While the witnesses identified the shooter by his clothing, the suspects disputed who was wearing which clothing.

Prosecutors needed to identify the triggerman to correctly charge the perpetrators.



The Project Objectives:

- Enhance convenience store video footage
- Identify triggerman

The Solution:

During the investigation, the Charlotte-Mecklenburg Police Department discovered that the suspects bought some beer at a nearby convenience store about an hour before the murder took place. Surveillance cameras at the store clearly captured the suspects on tape, but the video was too poor in quality to identify who was wearing which clothes. Investigators used Intergraph Video Analyst to slow the video from the store to five percent of its original speed, then they deinterlaced, magnified, and brightened the footage. They could easily see which suspect was wearing the clothing described by the witnesses, and identified the likely shooter.

“Video Analyst System provided critical evidence that aided the prosecution phase of the case. Without this evidence, we probably would not have been able to identify the triggerman,” said Detective Joel McNelly of the Charlotte-Mecklenburg Police Department.

The case is currently pending trial, but thanks to Video Analyst, prosecutors have convincing evidence of who actually committed the murder. The enhanced video of the suspects combined with the witnesses' descriptions should put the killer away for a long time.

The Video Analyst System Advantage

User-Friendly Video Enhancement System

- Microsoft® Windows® XP Professional
- Adobe® Premiere®
- Adobe® Photoshop® Elements
- Intuitive drag and drop tools
- Standard, open architecture enhancement files
- Input from or output to any standard format

Stackable Tool Set

- Drag and drop application of enhancement tools
- Apply and process multiple tools simultaneously
- Add, adjust, delete, and reorder multiple tools during the enhancement process

Exclusive NASA VISAR® Enhancement Tools – available only in Video Analyst System

- Image stabilization
- Deinterlace
- Magnify
- Rotate
- Reposition

Demultiplexing

- Separate up to 128 cameras at one time
- Separate cameras at a field or frame level simultaneously (user-selected control)
- Select areas of interest
- No lost or dropped frames (patented functionality)

The One Company Solution

- Hardware
- Software
- Training
- Customer Service

Charlotte-Mecklenburg Police Department

The mission of the Charlotte-Mecklenburg Police Department is to build problem-solving partnerships with our citizens to prevent the next crime. The Department uses the latest and greatest technology to reduce crime – from laptops and video analysis to geographic information systems.

Intergraph Security, Government & Infrastructure

Intergraph Security, Government & Infrastructure (SG&I), headquartered in Huntsville, Alabama, serves a broad range of clients, including local, regional, and national governments; businesses, both public and private; and security and public safety organizations. Intergraph SG&I focuses on providing software and services to enable our clients to make the right decisions at the right time using the right information.

For more information, visit our Web site at www.intergraph.com/sgi/.