Automated Gunshot Recognition Systems

ShotSpotter

SENTRI (Sensor Enabled Neural Threat Recognition and Identification)
Gunshot Recognition System
Cost Estimates

**SENTRI**

- Estimated cost – 192k per square mile
- Provides 24 units
- Can provide single units for expansion
- Hardware purchased and owned by City/SPD

**ShotSpotter**

- Estimated cost - 40-60k per year subscription fee for one square mile coverage
- Minimum of 3 mile coverage for contract 120-180 p/yr
- One time activation fee of 10k per square mile
- Equipment is owned by Shotspotter
Automated Gunshot Recognition System Capabilities

**SENTRI**
- Portable or fixed operation
- AC or DC power option
- Camera & GPS Integrated into component
- Wireless data transmission direct to 911
- Lightweight (< 15 lbs)
- Configurable video recording options
- Retains data for long term analysis

**ShotSpotter**
- Primarily fixed operation
- AC power required
- Installed and maintained by vendor
- Shot notification goes to vendor call center for analysis then they call 911
- Can be integrated with pre-existing video system
- Retains data for long term analysis
Automated Gunshot Recognition System

Deployment example:

- Los Angeles Sheriff’s Department uses both systems within their jurisdiction.
  - ShotSpotter is installed in its high gun violence/low reporting areas.
  - SENTRI is deployed for augmentation in gun violence areas and moved about as needed for area emphasis or special events.
Automatic Gunshot Recognition System

Questions?