

# Fort Worth Police Technology Update

June 4, 2024

Presented by Executive Assistant Chief Robert Alldredge

# #FortWorthSafe

- Focusing on the most violent offenders in the community causing the majority of the crime
- A laser-focused approach with the goal of only having undesired police interaction with criminals and leaving the law-abiding citizens untouched
- Pair community outreach and partnership in the areas where conducting the heaviest enforcement
- Communicating our intent with the citizens

## Making your community safer

As a community we need to stand together



### #FORTWORTHSafe

ADULTS: SUBMIT A COMMUNITY TIP

STUDENTS: SUBMIT A CAMPUS TIP



"Service with Respect  
Dedicated to Protect"

Reaching out to Crime Stoppers of Tarrant County is safe, anonymous, and in some cases, profitable. If you think you have a tip, please share it!

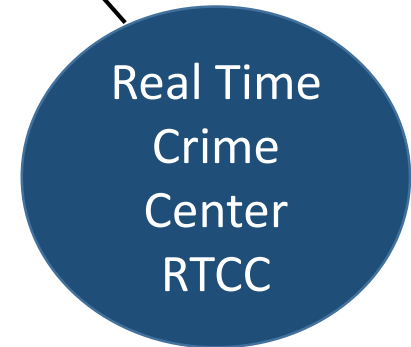
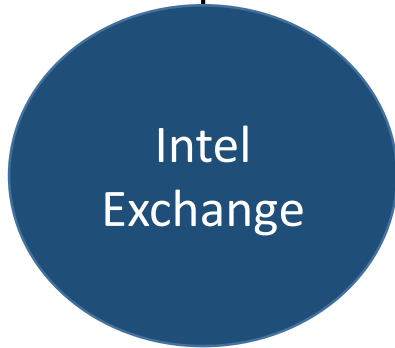
817-469-TIPS (8477)

## #FortWorthSafe

- Multidisciplinary approach- Teams that formerly operated individually are now paired with each other to ensure each team is getting the resources they need.
- Technology- We use technology like License Plate Readers, Cameras, and NIBN (National Integrated Ballistic Information Network)
- Education- Drugs and gangs are the greatest indicators of involvement in violent crime



# Fusion Center



The Fort Worth Fusion Center was established on August 13, 2019

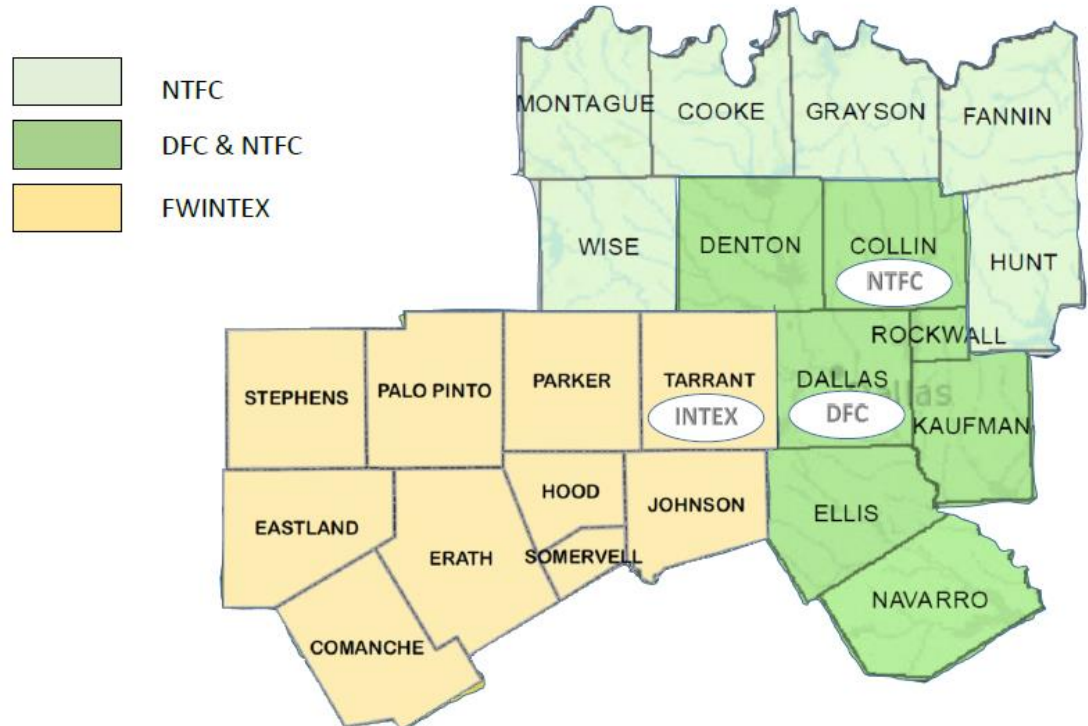
# Fusion Center

## Intelligence Exchange (INTEX)

- 4 full time civilian analysts
- Primary unit for risk assessments for the estimated 84 annual events, some more than 1 million visitors.
- Lead on information sharing with Federal, State, local, tribal, territorial, private sector (FSLTTPS) partners.

### INTEX top priorities:

1. Continue outreach and information sharing to the 10 western counties in North Texas that fall under the INTEX umbrella.
2. Safety and security of the community and participants during 1st Amendment protected events.
3. Preparation, coordination, and identification of resources for the 2026 FIFA event; nine games have been scheduled inside a 40-day window.



## Fusion Center

The **Homeland Security Unit** was created in 2001 and is a hybrid unit that brings an intelligence and operational element to the Fusion Center.

The **Homeland Security Unit** assists in the risk assessments from an intelligence perspective and become operational once an event begins

- The **Homeland Security Unit** is operational during special events such as:



- VIP/dignitary visits and escorts
- Special investigations
- Emerging threats

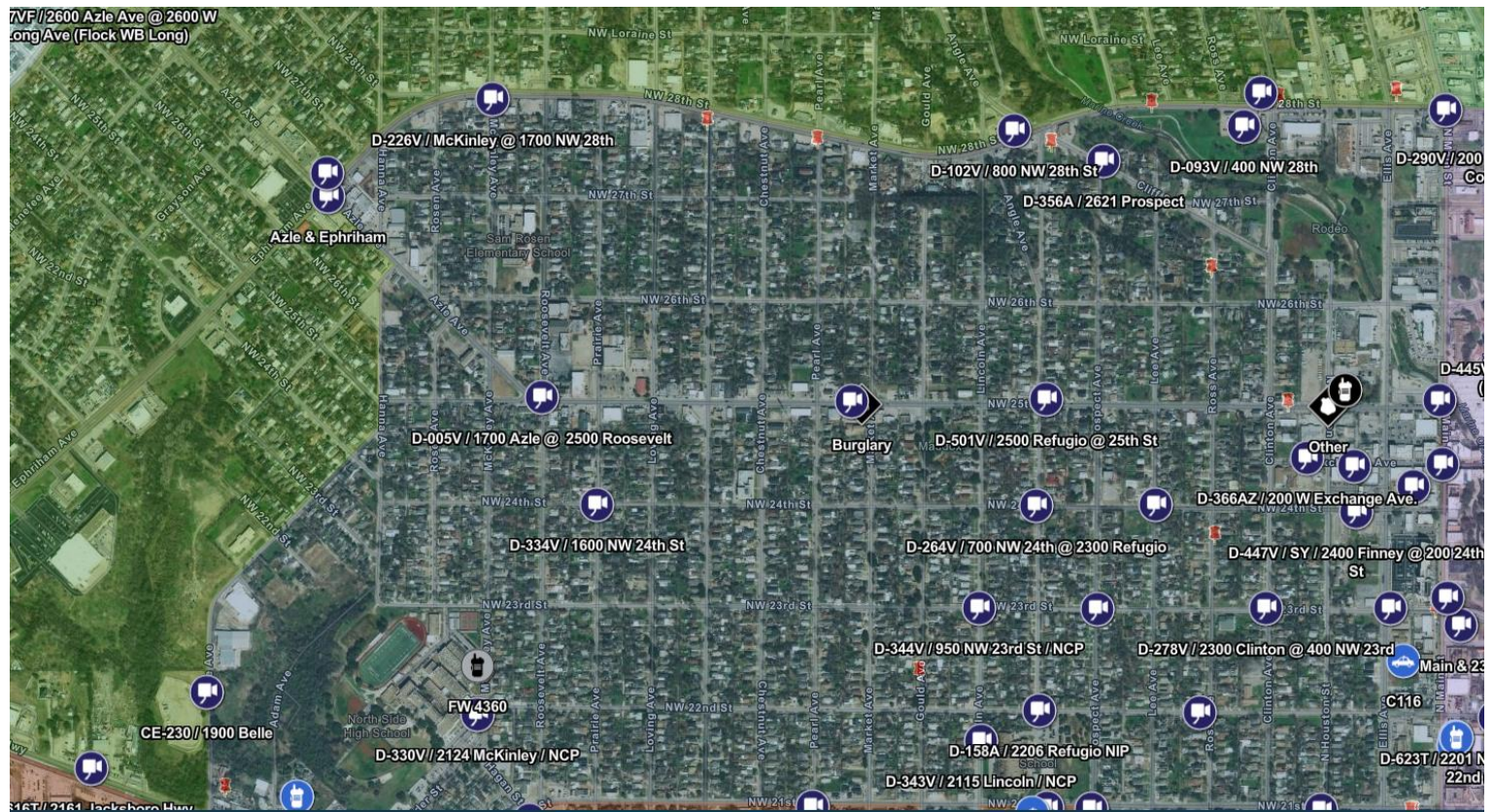


## Real Time Crime Center-RTCC

- 18 sworn positions and 1 professional staff
- 24/7 operation
- Monitors surveillance and Flock Cameras
- Primary role of operational and tactical support for patrol operations
- Also supports criminal investigations to help apprehend offenders
- RTCC would be the first to engage with an emerging threat to collect/disseminate initial incident information



# Real Time Crime Center-RTCC

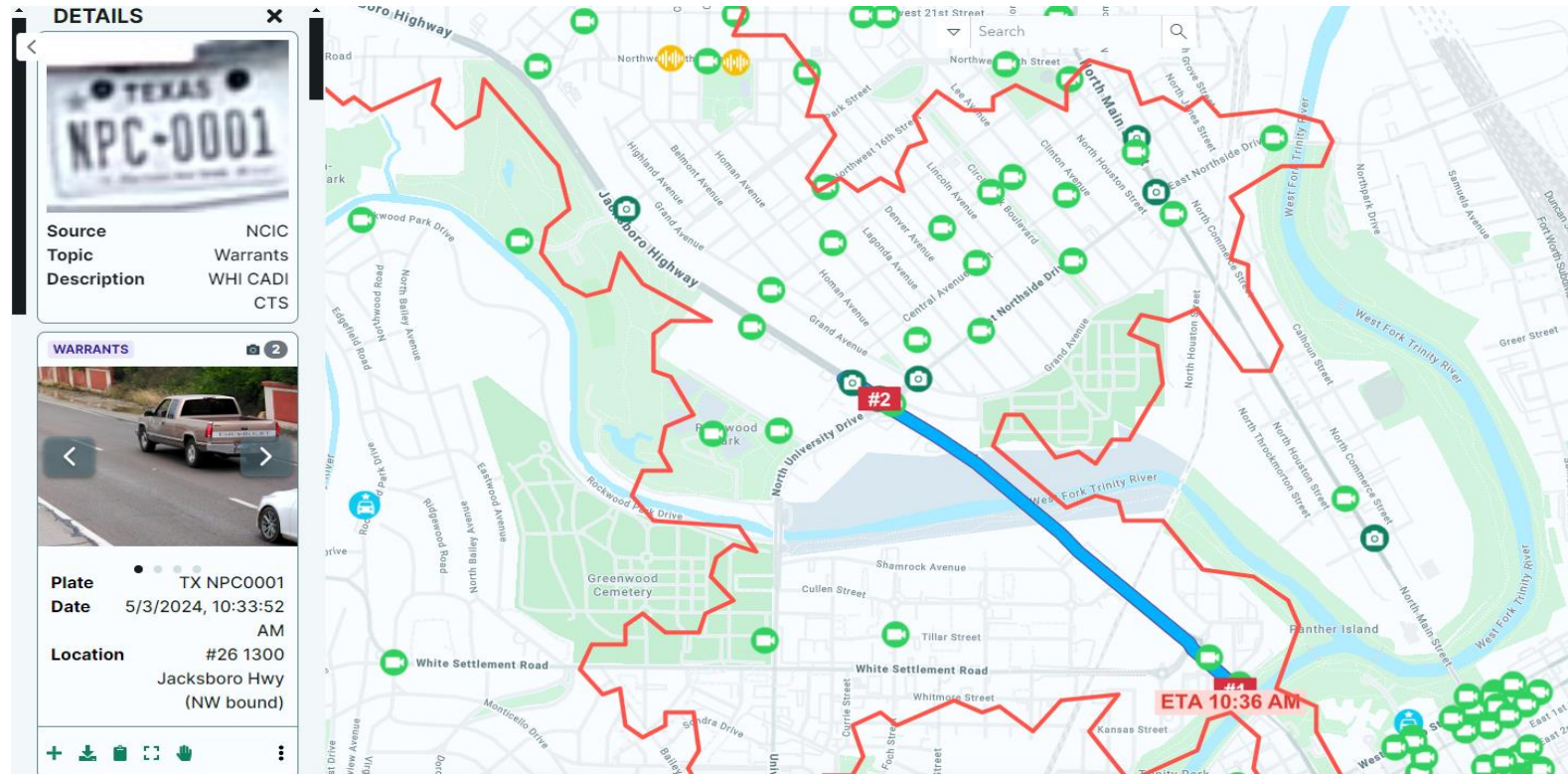


Motorola Command Central Aware- a Situational Awareness platform that allows the officers in the Real Time Crime Center to visually see where Calls for Service, Patrol Officers/vehicles, and cameras are at in relation to each other in real time.



# Real Time Crime Center-RTCC

Flock OS - a Situational Awareness platform that allows officers in the Real Time Crime Center to visually see where alerts from License Plate Recognition systems (both city and community partnered), alerts from Gunshot Detection systems, and patrol launched drones are in relation to each other in real time.



The screenshot displays the Real Time Crime Center (RTCC) interface. On the left, a 'DETAILS' panel provides information for a specific alert:

- Source:** NCIC
- Topic:** Warrants
- Description:** WHI CADI CTS

Below the details is a 'WARRANTS' section with a photo of a silver pickup truck. Further down, the following information is displayed:

- Plate:** TX NPC0001
- Date:** 5/3/2024, 10:33:52 AM
- Location:** #26 1300 Jacksboro Hwy (NW bound)

The main map shows a street grid in Fort Worth, Texas, with a red outline indicating a specific area of interest. A blue line highlights a route on Jacksboro Highway, with a red box labeled '#2' and a red text overlay indicating 'ETA 10:36 AM'. Numerous green circular icons with camera symbols are scattered across the map, representing various alerts or camera feeds. The map also shows the West Fork Trinity River and several parks, including Greenwood Cemetery and Panther Island.

## Surveillance Cameras

Pan Tilt Zoom (PTZ) Cameras- These are cameras that allow the officers assigned to the RTCC to have situational awareness in the area that we support. These are the backbone of RTCC operations.

- We currently have about 1150 PTZ cameras within the City
- We retain the video footage for five (5) days unless it is evidentiary in which case it is placed in Evidence.com
- These are built in-house at approximately half the cost
- We have 63 PTZ cameras with LPR technology built in
- Current camera builds are modular and can add LPR with gunshot detection



## Flock Cameras

Automatic License Plate Reader (ALPR) or Flock Cameras- These are cameras that focus on a lane of traffic and capture the License Plate (LP) of vehicles that pass through the lane.

The LP is then compared to a hotlist of vehicles that are wanted for warrants or crimes. FWPD General Orders stipulate that a vehicle must meet the level of Reasonable Suspicion to be entered into a hotlist.

- We currently have approximately 250 FLOCK cameras in City of Fort Worth
- The data that is captured from our devices is stored by Flock Safety and is retained for 30 days unless evidentiary



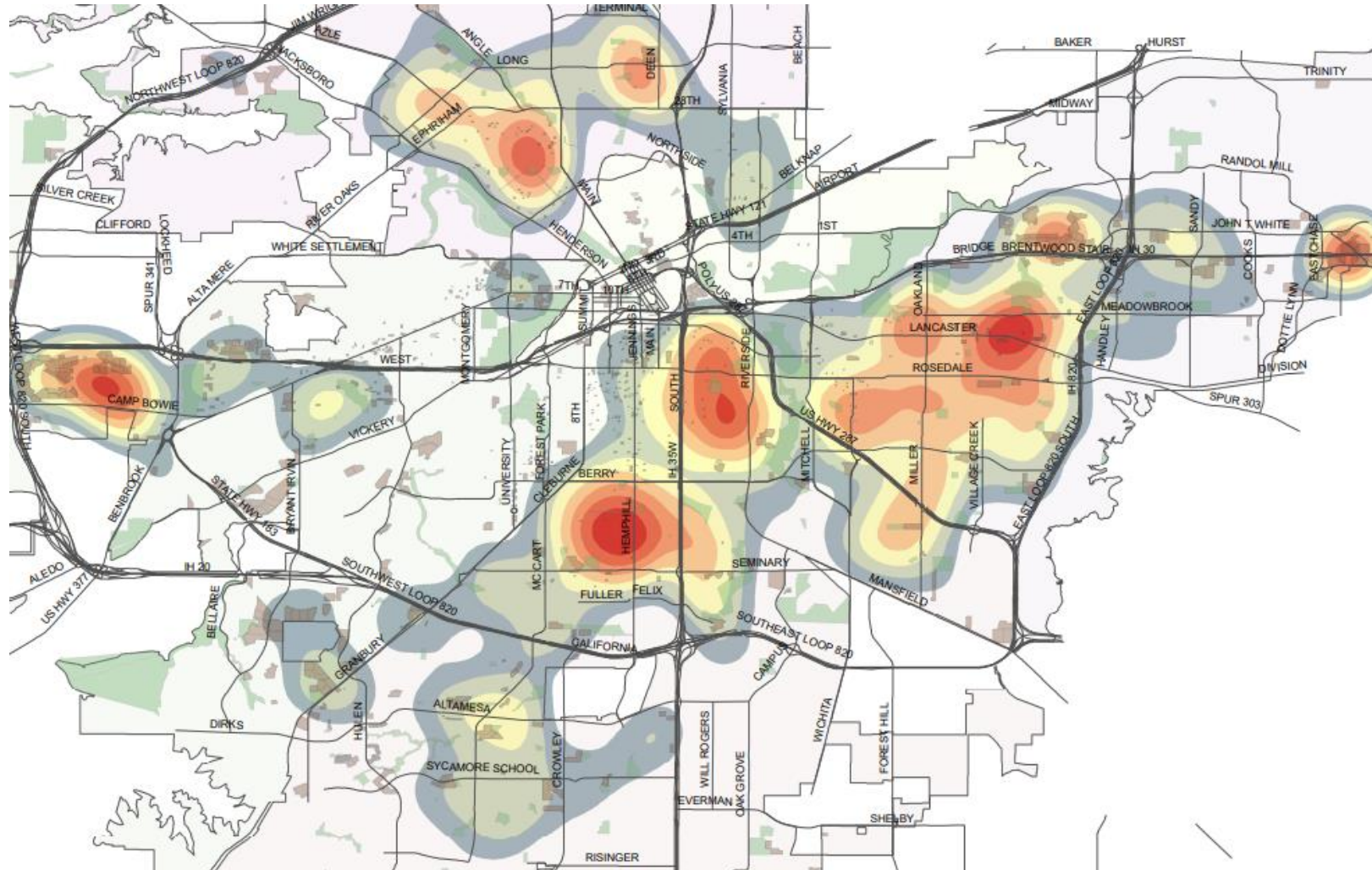
# Gun Shot Detection

Gun Shot Detection(GSD)- Gunshot Detection are microphones placed in an array to cover a determined space. A microphone is “awakened” by the sound of gunfire. If three microphones within the array classify the sound as gunfire, then the RTCC is alerted and provided a location based on triangulation from the three sensors.

- We are in the process of installing 5 square miles in CFW
  - NW 25th ST Area
  - Las Vegas Trail Area
  - Rosemont Area
  - S Riverside/Berry Area
  - Stalcup/Berry Area
- There is no retention on sounds unless it is classified as potential gunfire
- Potential gunfire sound is retained for last 200 incidents unless its evidentiary



## Heat Map-Shooting Offenses and Shots Fired Calls



## Fleet Vehicle Collision Prevention Technology

Almost all new vehicles produced have some variation of collision prevention technology as a standard feature. The majority of the fleet for the Police department has the following features:

- Front collision avoidance warning
- Front following indicators
- Lane keeping assist and warning indicators
- Back up camera with warning indicators



Other features that have been included in non-police rated vehicles are:

- Automatic emergency braking assist
- Auto braking
- Blind spot detection
- Parking assist



## Mobileye 8 Connect

According to the information received, Mobileye 8 Connect is an AI-powered vision camera that captures the roadway ahead and monitors for:

- Forward collisions
- Lane departures
- Headway following times
- Pedestrians and cyclists
- Speed indicators



When a threat is detected, the driver is warned with visual and audio alerts - in real time.

Mobileye pricing varies on individual packages, but a good estimate provided was around \$1200 per vehicle with no monthly subscription fee.

## Looking Forward

- We will continue to look for ways to leverage technology throughout the department
- We will continue to research new technologies that fit with our mission
- Constantly monitor the use of the technology to make sure we are in compliance with federal and state law
- Look for ways to expand the Real Time Crime Center
  - They are a force multiplier for patrol
  - They have the ability to provide safety updates for responding officers
  - They are able to gather and pass on intelligence information instantaneously where in the past officers had to go back to the office to research



# Questions