

# AI Gun Detection: The 21st Century Fire Alarm

Early warning technology has saved lives in the past. It's time to solve today's problems with new solutions.



## A CENTURY OF FIRE IN THE U.S.

→ **8,600+**

The estimated number of victims who perished in the top 50 deadliest U.S. fires from 1870–1970.

→ **18,000**

The number of buildings destroyed in the Great Chicago Fire, before early warning systems.

→ **1 in 10**

The odds of perishing in a house fire in the early 1900s, before home smoke alarms.



### A CENTURY OF FIRE IN THE U.S.

- 1902**  
George Andrew Darby patented the first heat and smoke detector in Birmingham, England
- 1915**  
The public still faced a 1 in 10 chance of perishing if their home caught fire
- 1951**  
The first ionization smoke detectors were introduced to the market (and extremely expensive)
- 1960s**  
Studies demonstrated that smoke detectors responded to fire faster than heat detectors
- 1971**  
Duane Pearsall developed the first practical home smoke detector: the SmokeGard 700
- 1975**  
News of life-saving smoke detectors hit, and sales jumped to 8 million the next year
- 1976**  
Life Safety Code (NFPA 101) established, requiring smoke detectors in every U.S. home

>> **The technology leading to the invention of the smoke detector, along with the Life Safety Code of 1976, has reduced the odds of perishing in a fire to 1 in 1,547 today.**

<https://injuryfacts.nsc.org/all-injuries/preventable-death-overview/odds-of-dying/>

Today we face a new threat:

**Mass shootings have skyrocketed across America in recent decades, and the number of victims keeps climbing.**

Since 2013, there have been:



 **651** Mass shootings

 **2,696** Fatalities

 **940** Injuries

## The deadliest mass shootings in the U.S. history




### SANDY HOOK ELEMENTARY SHOOTING

-  27 victims (20 children)
-  2 injuries
-  December 14, 2012
-  Newtown, CT





### LAS VEGAS SHOOTING

-  60 victims
-  867 injuries
-  October 1, 2017
-  Las Vegas, NV




### ORLANDO NIGHTCLUB SHOOTING

-  49 victims
-  58 injuries
-  June 12, 2016
-  Orlando, FL

### VIRGINIA TECH SHOOTING

-  32 victims
-  23 injuries
-  April 16, 2007
-  Blacksburg, VA

### COLUMBINE HIGH SCHOOL SHOOTING

-  13 victims (12 children)
-  April 20, 1999
-  Columbine, CO

America leads high-income nations in gun violence.



While mass shootings account for a fraction of the country's gun deaths, they're uniquely terrifying because they happen without warning in the most unsuspecting places.



The majority of victims aren't chosen for what they've done but simply for where they happen to be, including: school, work, grocery shopping, traveling, at a salon or a sporting event.



In the 50 years before the Texas tower shooting in 1986, which claimed the lives of 15 people, there were just 25 public mass shootings in which four or more people were killed.

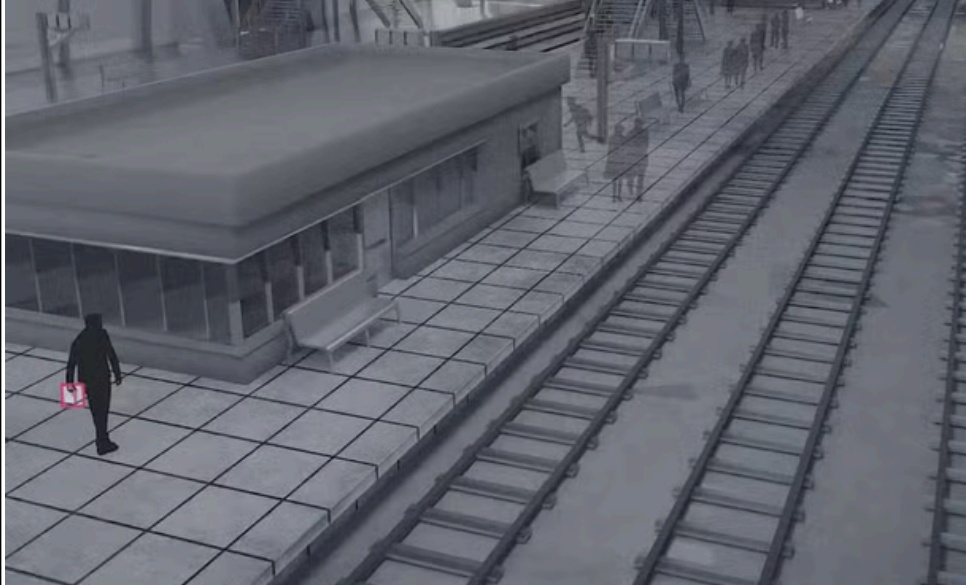
<https://www.washingtonpost.com>



3 million children are directly exposed to gun violence each year, resulting in death, injury, and lasting trauma.

Katherine Fowler, et al.,  
"Childhood Firearm Injuries in the United States," *Pediatrics* 140, no. 1 (2017)

>> **The solution: an early warning system, like a fire alarm, to proactively warn of potential threats before shots are fired.**



## The ZeroEyes AI gun detection advantage.

ZeroEyes' AI weapon detection system can detect visible guns—potentially before active shooters become threats.



Uses AI with existing security cameras to detect visible guns



Verifies threats with military-trained, 24/7 human monitoring



Allows authorities to lock buildings down as needed



Helps lead people to evacuation points by tracking shooters with GPS camera feeds



Decreases response time by rapidly alerting authorities—often within 3–5 seconds



Directs first responders to precise active shooter locations