

How big is the problem?

3533*

fatal unintentional drownings annually in the United States

1:5

for every drowning another 5 receive emergency department care for nonfatal submersion injuries



nonfatal drowning injuries can cause severe brain damage that may result in long-term disabilities



Our System works hand in hand with your lifeguard staff

About Pool Hawk

Pool Hawk Systems, Inc. has brought a team of US military and commercial engineers together to develop the next generation of drowning detection for swimming areas using cutting edge state of the art technology.

Pool Hawk Technology

21st Century Technology. Pool Hawk has been built and coded with all of the latest hardware and technology to make it the state of the art system. Pool Hawk has raised the bar and set a new standard as the Next Generation of Drowning Detection Technology.

More Information

Please feel free to get in touch with us if you have any questions or would like to receive additional information about Pool Hawk Systems.

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POOLHAWK



SAFER POOLS
WITH
DROWNING
DETECTION
TECHNOLOGY

* According to CDC Statistics

Only System In The World Like It

- Technology derived from military tracking systems and missile intercept programs
- Above water military grade optics
- Artificial Intelligence – Software is constantly learning
- Discerns humans from inanimate objects
- State of the Art cutting edge – Software, Computer System
- Ability to track every swimmer and every inch of the pool
- Significantly less money than all existing products on the market

Monitor Detect & Alert

Hand held / wrist alerting device lets the lifeguard know the location of a person that has the characteristics of a possible drowning swimmer

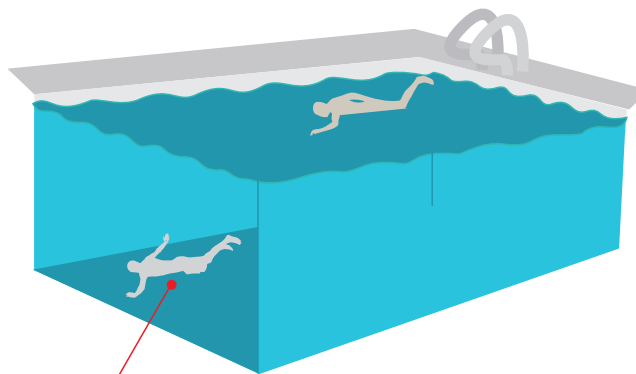
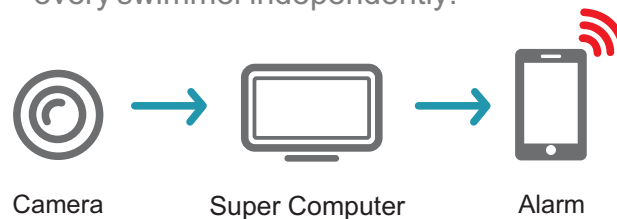
Indoor pools have diffused lighting, glint, shadows, ripples, surface turbulence, glare - all can be easily overcome by Pool Hawk

The Solution

Using modern technology, Pool Hawk Systems has developed a triple redundant, above-ground optical monitoring system to assist in drowning detection.

Pool Hawk is always learning - it utilizes artificial intelligence and compiles libraries of knowledge about the pool.

Pool Hawk monitors and tracks each and every swimmer independently.



A swimmer in difficulty
Pool Hawk warns the lifeguards as soon as it detects a possible drowning via a hand held device that vibrates and sounds an alarm

The Specifics

- Overhead sensors track each person in the pool area as an individual target
- System identifies possible drowning victim when their vector kinematics match critical threshold
- False alarms are minimized using artificial intelligence software that learns over time
- Available for indoor pools now, outdoor pools in the near future
- Pool Hawk has been awarded 2 US Patents with 22 claims (Patents #8237574 & 8669876)

Feature	Pool Hawk
Tracking	Tracks every swimmer and ever inch of the pool
Installation	Completely above water install. No interruptions during open hours
Monitoring	System notifies lifeguards via handheld mobile device