

Vision Statement:

The auto turret provides a peace of mind to security-conscious individuals of all ages including, college dormitory students, retired individuals, also young-adults who are tired of their family members entering their private areas without permission. It accomplishes this via alerts whenever it is triggered. The auto-turret also provides a high-level of entertainment with its nerfs and witty LCD text warnings.

The auto-turret increases your peace of mind, by reducing theft. The turret does this by being able to track and warn would be intruders. Intruders in a certain range will be fired upon. The auto-turret will amuse its owners and friends with its compact design and can be used in games and activities while also preventing unwanted intruders inside your space.

The auto-turret will be deployed with certain abilities. The auto-turret will accurately track movement with multiple sonar sensors measuring anything that moves too close. The auto-turret will be able to scan its area and determine if anything has moved within its space. The auto-turret will differentiate between a safe distance, warning distance, and firing distance. The auto-turret will display audio-visual warnings while in the warning zone and before firing. Upon detecting movement, the auto-turret will log status updates that inform the owner of anything it detects, the distance it's detected at, the time it was detected, and whether it fired upon the detected object. The auto-turret will communicate over Ethernet or wifi to the internet and store detection logs to a database. Users will be notified electronically on the web or on their cell phone with status updates on any detections made by the auto-turret.