



**AEGIS**<sup>®</sup>  
INTELLIGENT MONITORING

**PRODUCT BROCHURE**



## Introduction

**AEGIS: An intelligent monitoring system that provides the ultimate in situational awareness.** AEGIS monitors its environment through multiple sensor arrays, processing the data using AI, machine learning, and Nand Logic's advanced SoC. Each data stream is analyzed to create a clear picture of the environment and the developing situation. Based on this analysis, AEGIS takes action to keep you aware, connected and safe. AEGIS will even take action if you can not!



## How AEGIS Works

Traditional home monitoring systems require monthly fees to pay overseers to monitor your home. Today's DIY systems place the burden on the user, requiring users to comb through mounds of data to find what they actually want. After the initial setup, AEGIS operates autonomously via a mobile device. Using AI, AEGIS formulates alerts based on how the current data projects future events will unfold. AEGIS also asks probing questions to help you determine the cause of the rapid change in the environment. ***AEGIS attempts to help you solve the problem instead of just alerting you to the fact that there is a problem.***

**AEGIS Keeps You Informed: Stay connected via the mobile app.**



# Features

## Vigilant Security

AEGIS is ALWAYS armed - no more false alarms interrupting your day or sleep and no more hurrying out the door before the system arms, or fumbling to enter a key code before the alarm goes off. AEGIS only stores relevant content and it only alerts you if the situation requires your attention.

## Live Look

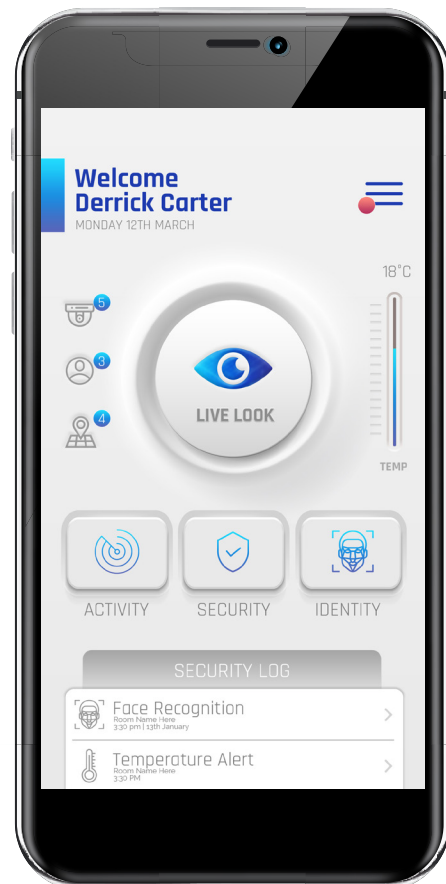
AEGIS is equipped with an HD camera, a thermal camera, and several microphones – all working together to give the user an intimate view of his home, office, or place of business. Live Look delivers a live-feed of the monitored area to the user’s mobile device, and allows for two-way communication with anyone within the monitored area.

## Identity Recognition

AEGIS is equipped with the most sophisticated facial recognition software on the market. ***AEGIS can determine if there is someone within the monitored area and identify that person as a registered family member, guest, or a stranger.*** AEGIS can track the activity of selected individuals and provide this activity data to the user. AEGIS creates and maintains a file on each individual being tracked, and all relevant data acquired while tracking is stored for later scrutiny by the user.

## Temperature & Humidity Monitoring

AEGIS not only monitors it anticipates. So, if the temperature in your home is increasing or decreasing rapidly, AEGIS warns you long before the fire spreads or your pipes burst. **“If I turn the AC off now, will it be too hot in a few hours?” AEGIS knows, and will let you know before you fall asleep!!**



## Indoor Air Quality Monitoring

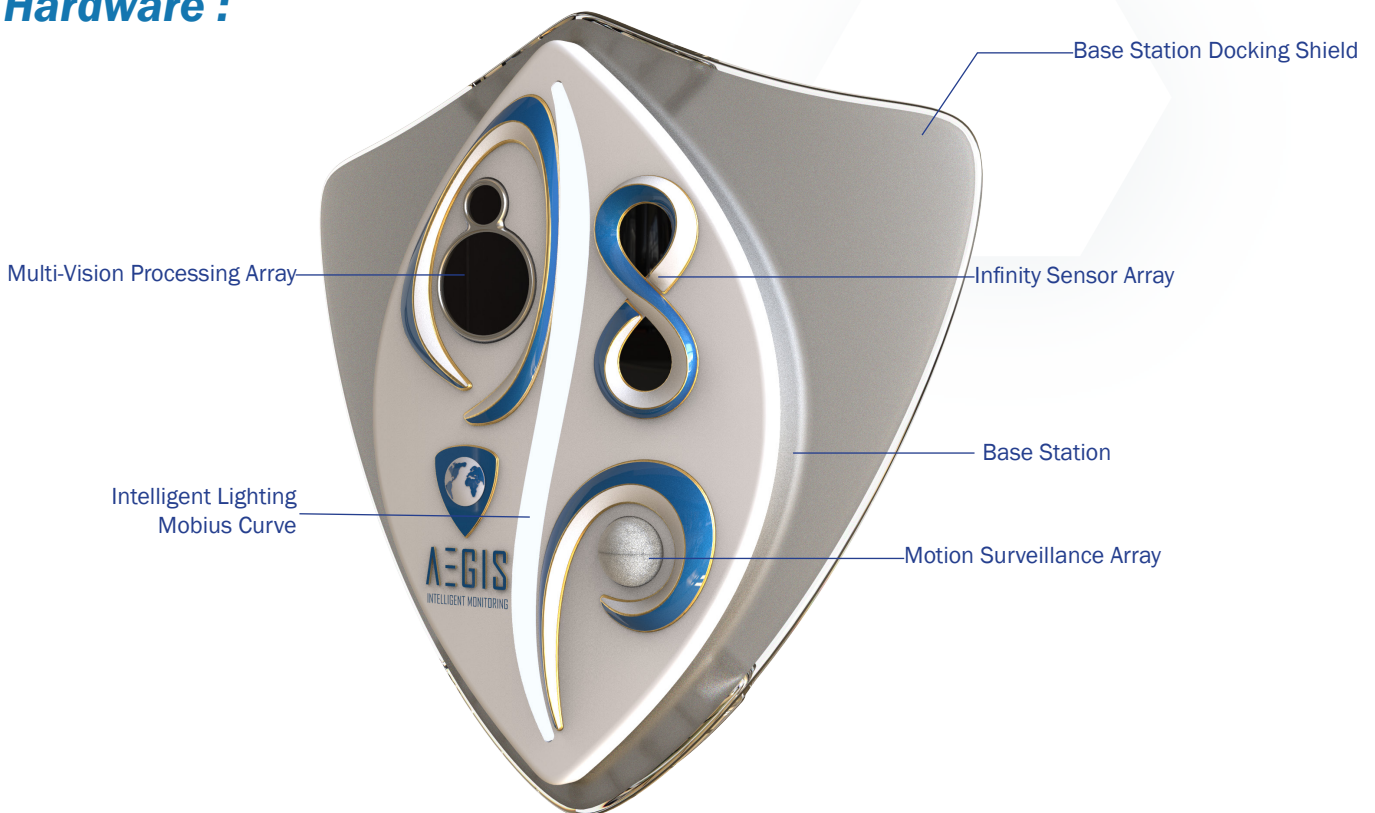
AEGIS is equipped with an advanced air quality sensor suite. AEGIS monitors TVOCs, CO, CO<sub>2</sub>, Particulate Matter (0.1, 0.3, 0.5, 1.0, 2.5, 5.0, 10) and provides you with an AQI (Air Quality Index - an EPA based rating of your air quality). These informational alerts are color coded and easily understandable. ***In addition to alerts, AEGIS also provides suggestions on how to improve your air quality. AEGIS can even be configured to call the authorities if the situation is hazardous to life. No more accidental deaths due to poisonous gases leaking into your home while you and your loved ones are asleep.***

## Intelligent DSP

AEGIS' on-board Wi-Fi and Bluetooth modules link all forms of wireless media and entertainment devices into an interconnected network in your home. AEGIS can turn your smart speaker into a loud speaker, which you can use to communicate directly with anyone in your home from anywhere in the world. ***Your son can't hear you because his music is too loud? AEGIS can connect directly to his headset, speakers, or TV enabling you to say what you need to say!***

AEGIS deploys sound classification to alert you if it hears a gunshot, glass breaking, or your baby crying. ***AEGIS will even call 911 for you if it hears the panic phrase!***

## Hardware :



# System Components

## Base Station

The base station houses all internal sensor arrays, a speaker, a battery, the camera system, and the brains of the entire security system – the Nand Logic MultiCore SoC.

## Docking Shield

The Mounting Shield securely mounts the AEGIS Base Station to the wall using the provided adhesive strips.

## Cameras & Speakers

- Thermal Imaging Camera
- HD RGB Camera with Auto Zoom

## Advanced DSP Unit

- Sound Classification APIs
- iDSP

## Sensors

- Light Sensor
- Microphone
- Ambient Temperature Sensor
- Voltage & Current Sensor
- Air Quality Sensors
- 9-Axis IMU
- LIDAR Sensor

## Nand Logic Custom SoC

- DualCore uPC System
- SDCard slot for added memory
- Wi-Fi Module
- Bluetooth Module

## Intelligent Lighting System

- RGB LEDs
- Infrared LEDs (for night vision)

## LiPo Battery

