The Horticulture Camera

BECAUSE EVERY GROW ROOM NEEDS A LITTLE

Time Lapse Camera

Camera based horticulture monitoring systems do not exist, you have to point a security camera at a utility wall and anything else you want to see remotely

- Users must:
  - Purchase a lot of expensive equipment, each with their own plugs, digital interfaces, apps and sensors.
  - Create a utility wall where the digital interfaces mount.
  - Point a security camera at the utilitey wall in order to see whats going on remotely.
- Multiple:
  - Applications are required. You must log in and out of them to control the system remotely.
  - Types of cameras, including time-lapse, and security cameras are being utilized already.

Introducing The Horticulture Camera

The camera’s patented technology is a first of a kind product in a new and untapped industry of horticulture cameras. Our goal is to provide the most intuitive, automatic, remote-controlled grow system ever. It will truly be a one-stop shop for total remote control and peace of mind.

What does it do?

The Horticulture Camera:

- **Uses time-lapse photography as a timeline to record all atmospheric values, as well as soil and water conditions.**
- **Is an automation system for growing plants that incorporates cameras for security purposes, peace of mind, and promoting the best gear through sharing the videos.**
- **Monitors and controls the environment by giving and taking power away from the utilities based on Timers, schedules, thresholds, AI override, and manual switches.**
- **Uses time-lapse photography and AI to detect issues as they develop, and then gives corrective advice.**
- **Calculates NPK scores automatically based on the various nutrients that are being used. The system will show you what to look out for to prevent damage to the crop. The system will anticipate and look out for specific, tell-tail signs using its camera lenses.**
- **Videos can be paused to see what happened at any given time in the plant's life.**

Device consolidation

All of the devices that will be replaced and consolidated by The Horticulture Camera System

Multi industry interest

Photography.
It creates high-quality time-lapse videos.

Big Ag.
It is scalable & adaptable to its environment.

Plant Biology.
It teaches people about plants.

AI.
It provides corrective advice.

Security.
It works just like a security camera system.

Integrated home systems.
It will be compatible with smart home systems.

QR codes

Will be used to scan new utilities and nutrients into the system via the THC application.

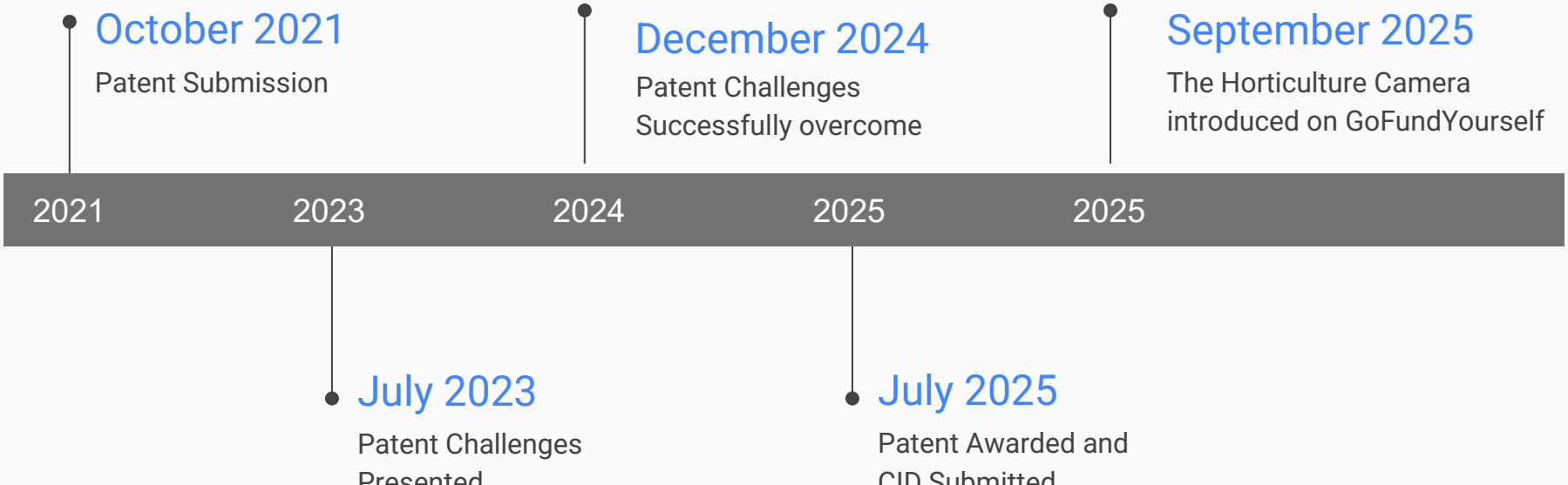
The system will automatically recognize the utilities and nutrients.

The system will know everything it needs to know about the products including wattage usage and NPK values. This is important so you don’t overdose your plants or overwhelm your electrical circuit.

The type of videos this will create

4K time-lapse videos that tracks and shows atmospheric data.
Users will have the option to share a slide at the beginning or end of the video that shows everything it took to get to harvest or the end of the video. This will promote the good products and weed out the bad stuff.
The slides will show
How much electricity it took, and how many days.
What nutrients where used, and how much.
Witch utilities were used and how many.

Milestones


October 2021
Patent Submission
December 2024
Patent Challenges
Successfully overcome
September 2025
The Horticulture Camera
introduced on GoFundYourself
2021
2023
2024
2025
2025
July 2023
Patent Challenges
Presented
July 2025
Patent Awarded and
CID Submitted

A peek at some of the patent drawings

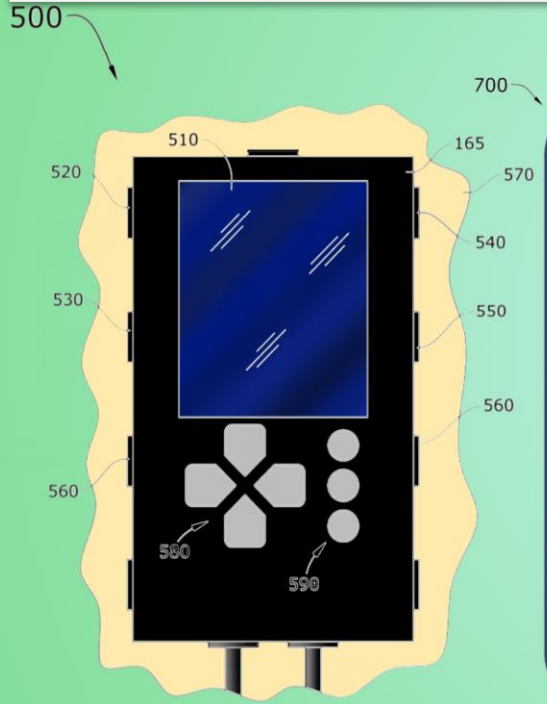


FIG.5

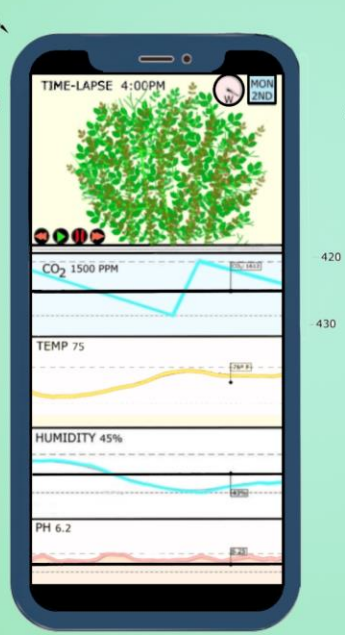


FIG.7

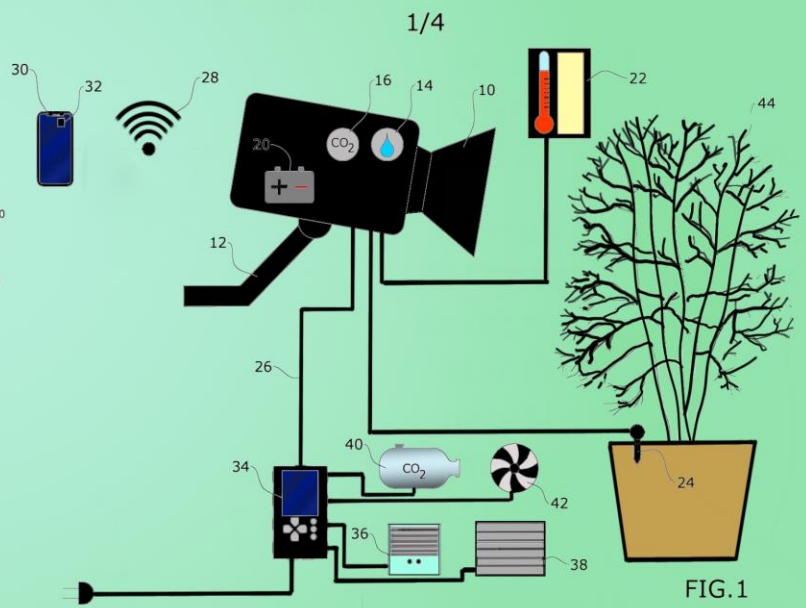
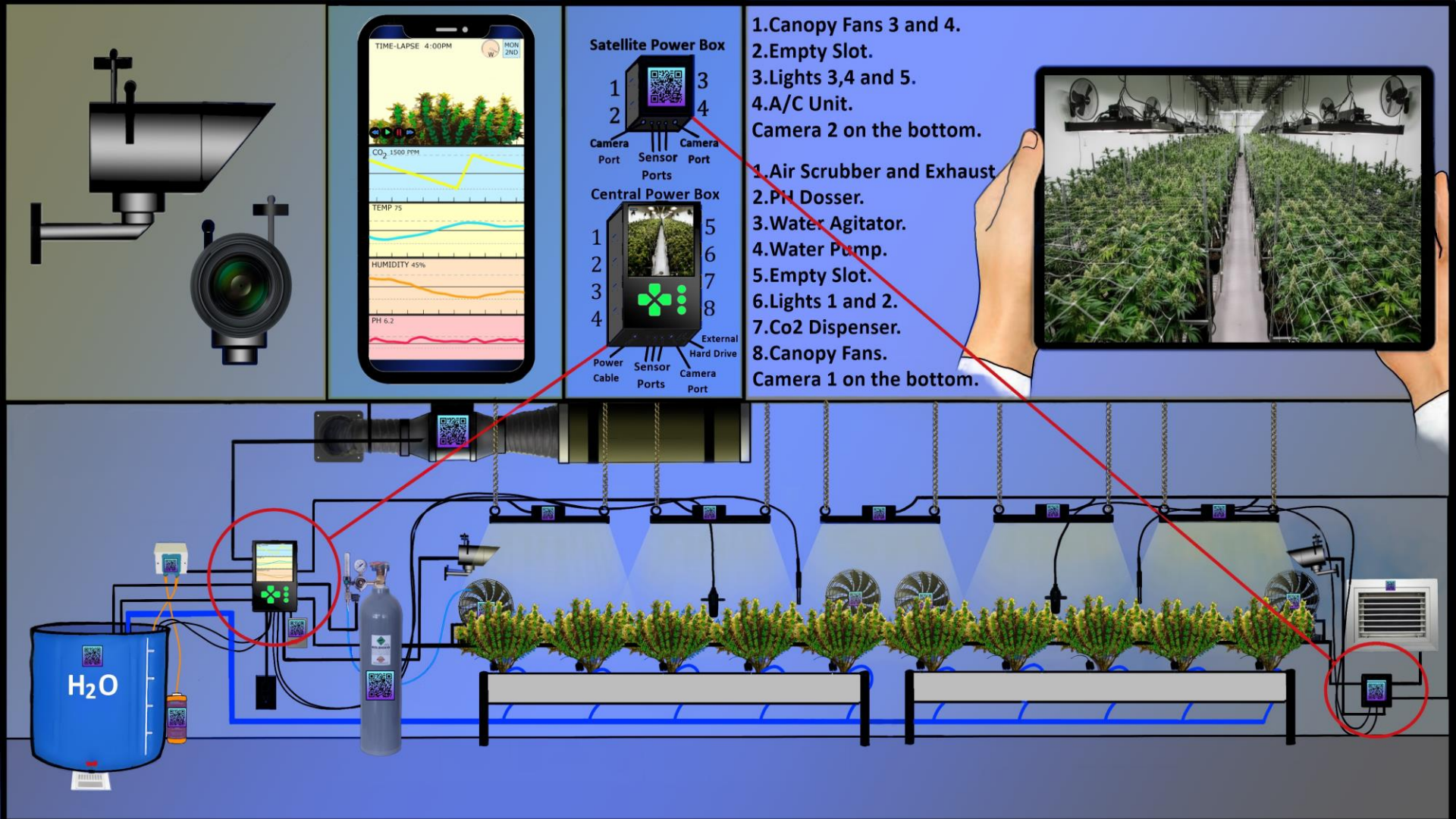
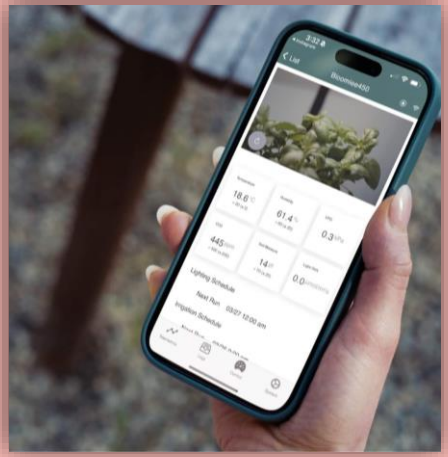
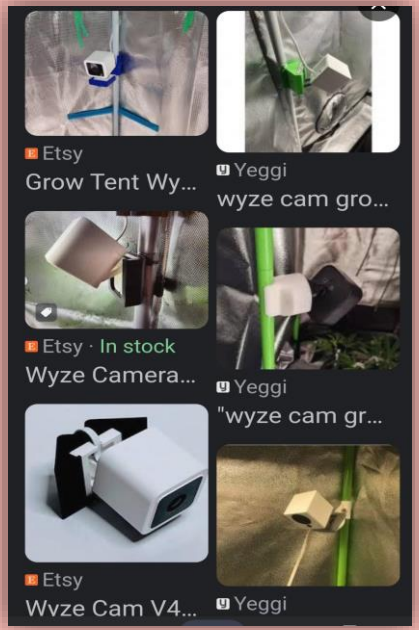


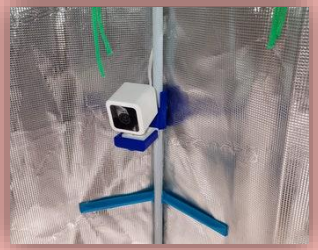
FIG.1


TIME-LAPSE 4:00PM
MON 2ND
CO_2 1500 PPM
TEMP 75
HUMIDITY 45%
PH 6.2
Satellite Power Box
1
2
3
4
Camera Port
Sensor Ports
Camera Port
Central Power Box
1
2
3
4
5
6
7
8
Power Cable
Sensor Ports
Camera Port
External Hard Drive
1.Canopy Fans 3 and 4.
2.Empty Slot.
3.Lights 3,4 and 5.
4.A/C Unit.
Camera 2 on the bottom.
1.Air Scrubber and Exhaust
2.PH Dosser.
3.Water Agitator.
4.Water Pump.
5.Empty Slot.
6.Lights 1 and 2.
7.Co2 Dispenser.
8.Canopy Fans.
Camera 1 on the bottom.
H_2O

People are already using cameras in their grow and trying to consolidate control on to one remote application. The only challenge with that is, I field a patent for this years before they acted on it. Including a CID patent. Its time to build this.



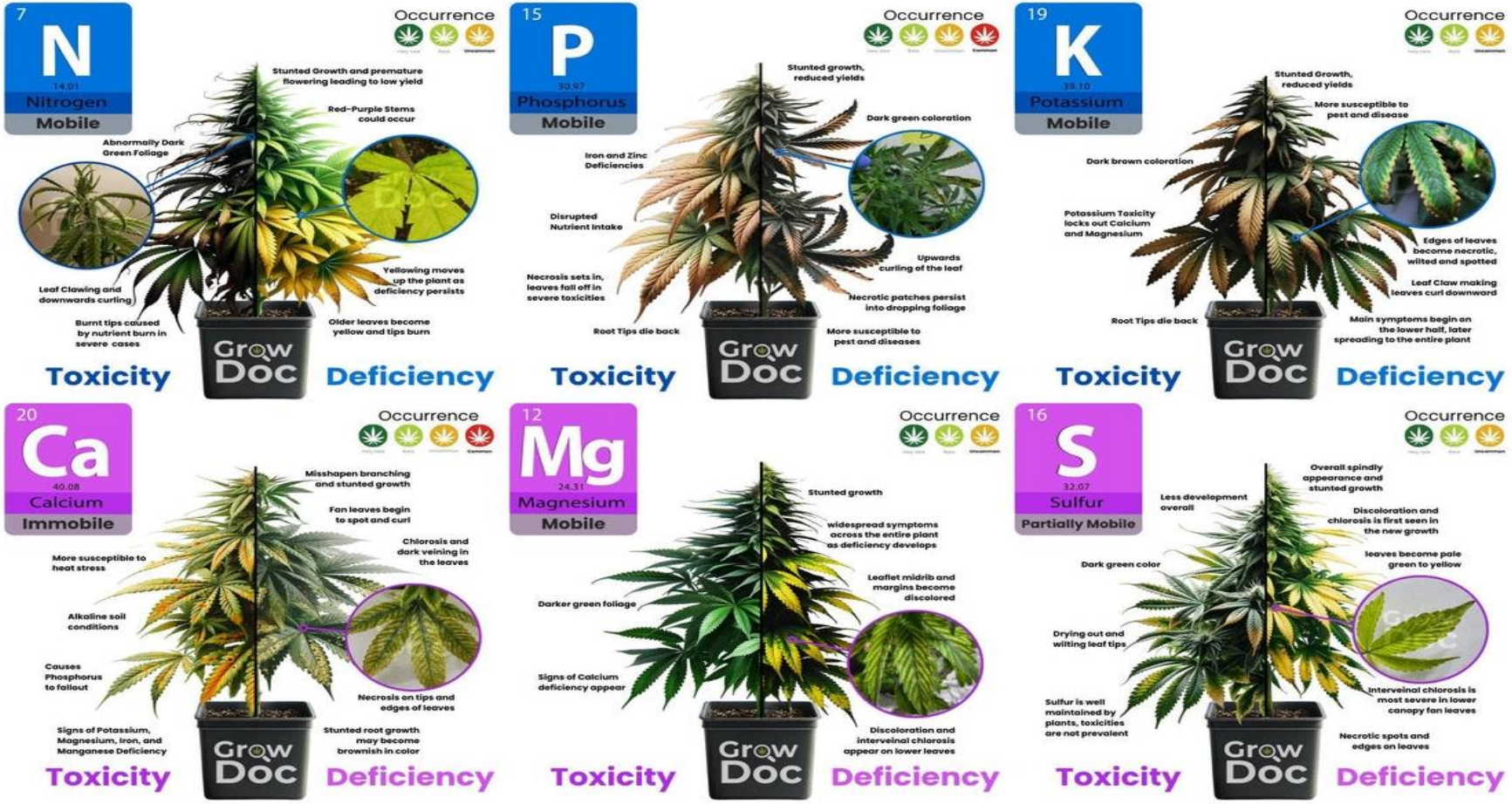




Current systems do not have actual horticulture cameras

This is a web cam with poor quality time lapse

Each deficiency has its own tell-tale signs



NPK or Nitrogen, Potassium and Phosphorus are the key essential nutrients that plants need to survive. It is vital that these values get calculated properly. The THC grow system will automatically tell you how much of each nutrient to use when mixing nutrients.

Who is this product for

The Horticulture Camera will be adaptable for small and large-scale horticulture/agriculture operations. It can adapt to any grow method that it’s applied to. You can’t control the outdoors, but it will monitor and control any devices connected to it. Maybe you might want to connect misters to your orchard and set them to a tempter threshold or to a schedule. Maybe someone wants to connect the THC camera to their existing security camera system or to their smart home system. This product will be for anyone that likes to grow plants. For one plant or for thousands of plants. Its modular, intuitive and adaptable.

Our offer

We are offering a 35% ROI on a 100k investment.
We are asking for a 2-year period.

Our Business plan

As soon as we can, we will start prototyping. This will take about 6 months. We will prove the concept by putting the THC grow system to the test. We will use its own videos as proof of concept and share the videos on social media platforms.
We will get about 100 preorders and give those people lower cost incentives for 2.0 versions along with free updates and more.
We will figure out the cost to build units and start selling them.
The prototype will be shown at tech conventions, agriculture conventions, dispensaries and on social media outlets etc.
We will find youtubers to indorse the product.
We will also license the camera to other security camera companies and integrated smart home companies.