

THE HORTICULTURE CAMERA



BECAUSE EVERY GROW ROOM NEEDS A LITTLE

TIME LAPSE CAMERA

Consolidated Horticulture Monitoring Systems do not Exist

- 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 utility wall in order to see what's 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 Horticulture 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.**

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

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

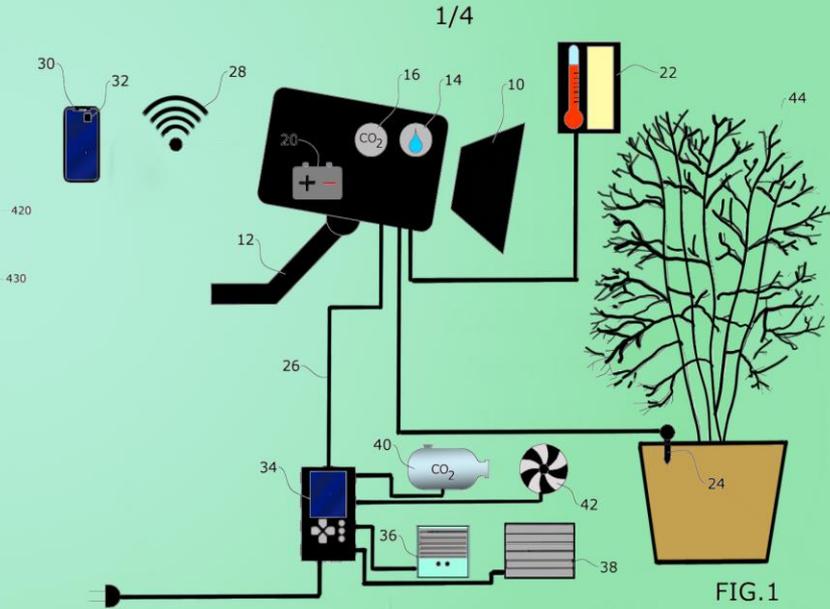
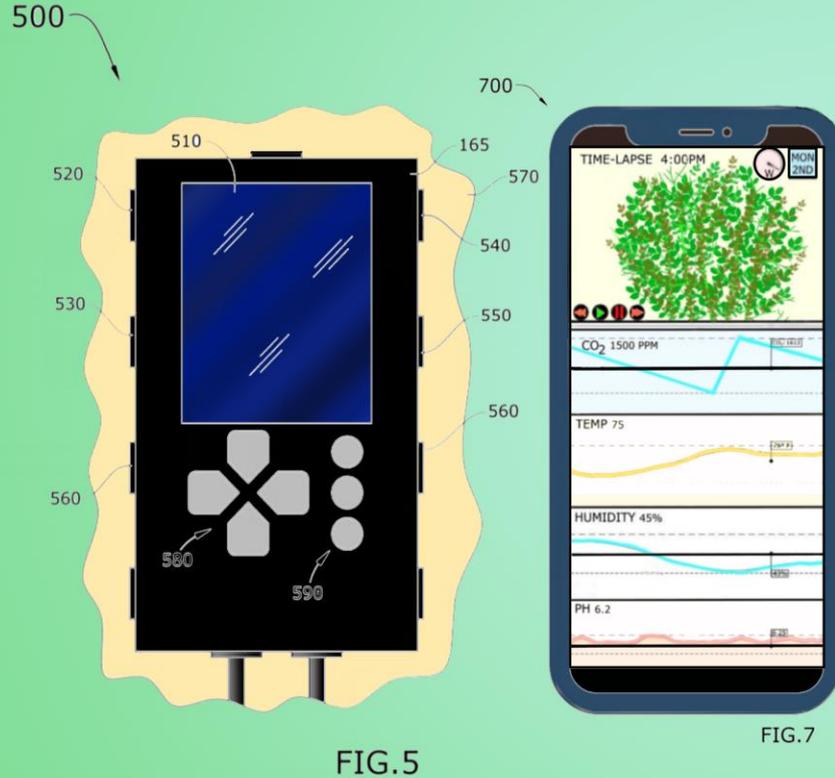
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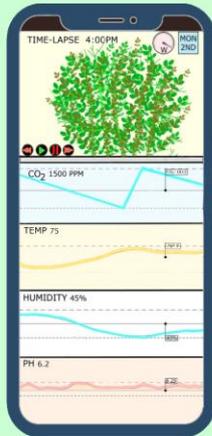
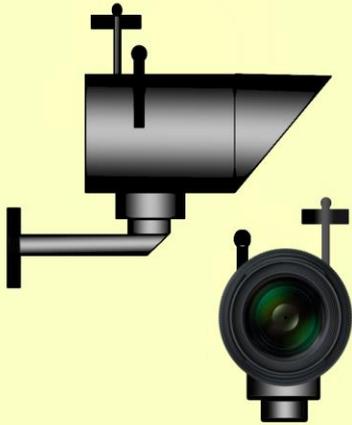
Patent Challenges
Presented

July 2025

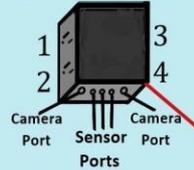
Patent Awarded and
CID Submitted

A Peek at some of the patent drawings

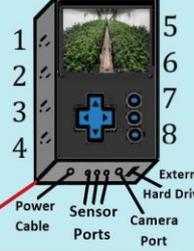




Satellite Power Box

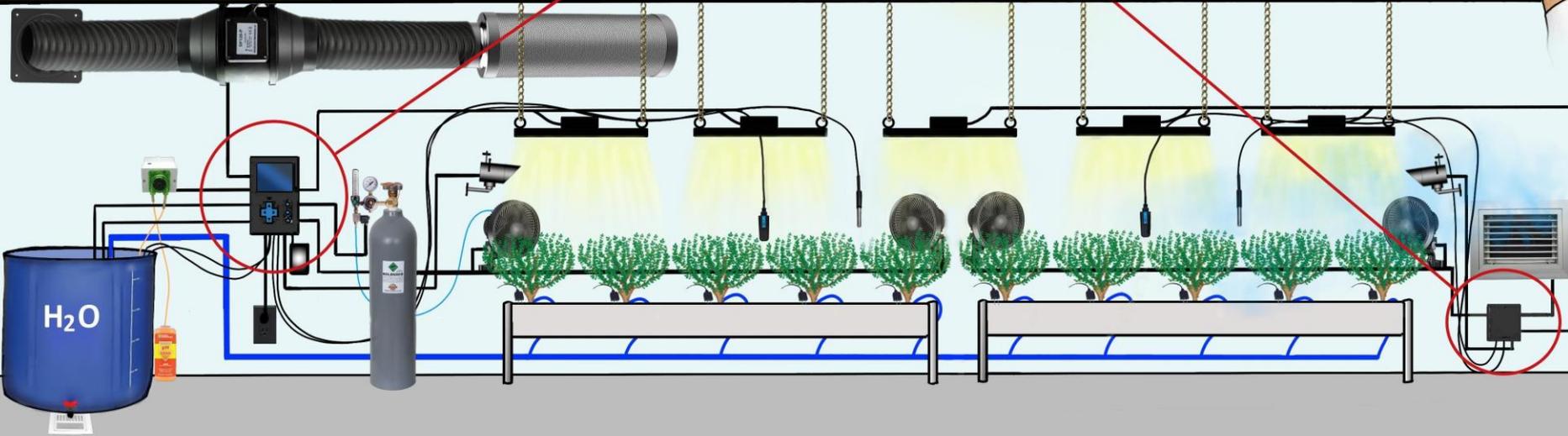


Central Power Box



- 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 Dossor.
 - 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.



Each deficiency has its own tell-tale signs

7
N
14.01
Nitrogen
Mobile

Occurrence

Stunted Growth and premature flowering leading to low yield
Red-Purple Stems could occur

Abnormally Dark Green Foliage

Leaf Clawing and downwards curling

Burnt tips caused by nutrient burn in severe cases

Yellowing moves up the plant as deficiency persists

Older leaves become yellow and tips burn

Grow Doc

Toxicity **Deficiency**

15
P
30.97
Phosphorus
Mobile

Occurrence

Stunted growth, reduced yields
Dark green coloration

Iron and Zinc Deficiencies

Disrupted Nutrient Intake

Necrosis sets in, leaves fall off in severe toxicities

Root Tips die back

Tipwards curling of the leaf

Necrotic patches persist into drooping foliage

More susceptible to pest and diseases

Grow Doc

Toxicity **Deficiency**

19
K
39.10
Potassium
Mobile

Occurrence

Stunted Growth, reduced yields
More susceptible to pest and disease

Dark brown coloration

Potassium Toxicity locks out Calcium and Magnesium

Dark brown coloration

Edges of leaves become necrotic, wilted and spotted

Leaf Claw making leaves curl downward

Root Tips die back

Main symptoms begin on the lower half, later spreading to the entire plant

Grow Doc

Toxicity **Deficiency**

20
Ca
40.08
Calcium
Immobile

Occurrence

Missshapen branching and stunted growth
Fan leaves begin to spot and curl

Chlorosis and dark veining in the leaves

Necrosis on tips and edges of leaves

Stunted root growth may become brownish in color

Stunted root growth may become brownish in color

Signs of Potassium, Magnesium, Iron, and Manganese Deficiency

Grow Doc

Toxicity **Deficiency**

12
Mg
24.31
Magnesium
Mobile

Occurrence

Stunted growth
widespread symptoms across the entire plant as deficiency develops

Leaflet midribs and margins become discolored

Discoloration and interveinal chlorosis appear on lower leaves

Dark green foliage

Signs of Calcium deficiency appear

Grow Doc

Toxicity **Deficiency**

16
S
32.07
Sulfur
Partially Mobile

Occurrence

Overall spindly appearance and stunted growth
Discoloration and chlorosis is first seen in the new growth

leaves become pale green to yellow

Dark green color

Drying out and wilting leaf tips

Interveinal chlorosis is most severe in lower canopy fan leaves

Necrotic spots and edges on leaves

Sulfur is well maintained by plants, toxicities are not prevalent

Grow Doc

Toxicity **Deficiency**

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.



N - P - K
0 - 5 - 4



Our Offer

We are offering a 35% ROI on a 100k investment.

We are asking for a 2-year period.

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 video 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 and build units to sell.

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.