

Smart Home

COS Apple Club

Jim Johnson & Jeff Jensen

Lots of Items that can be controlled

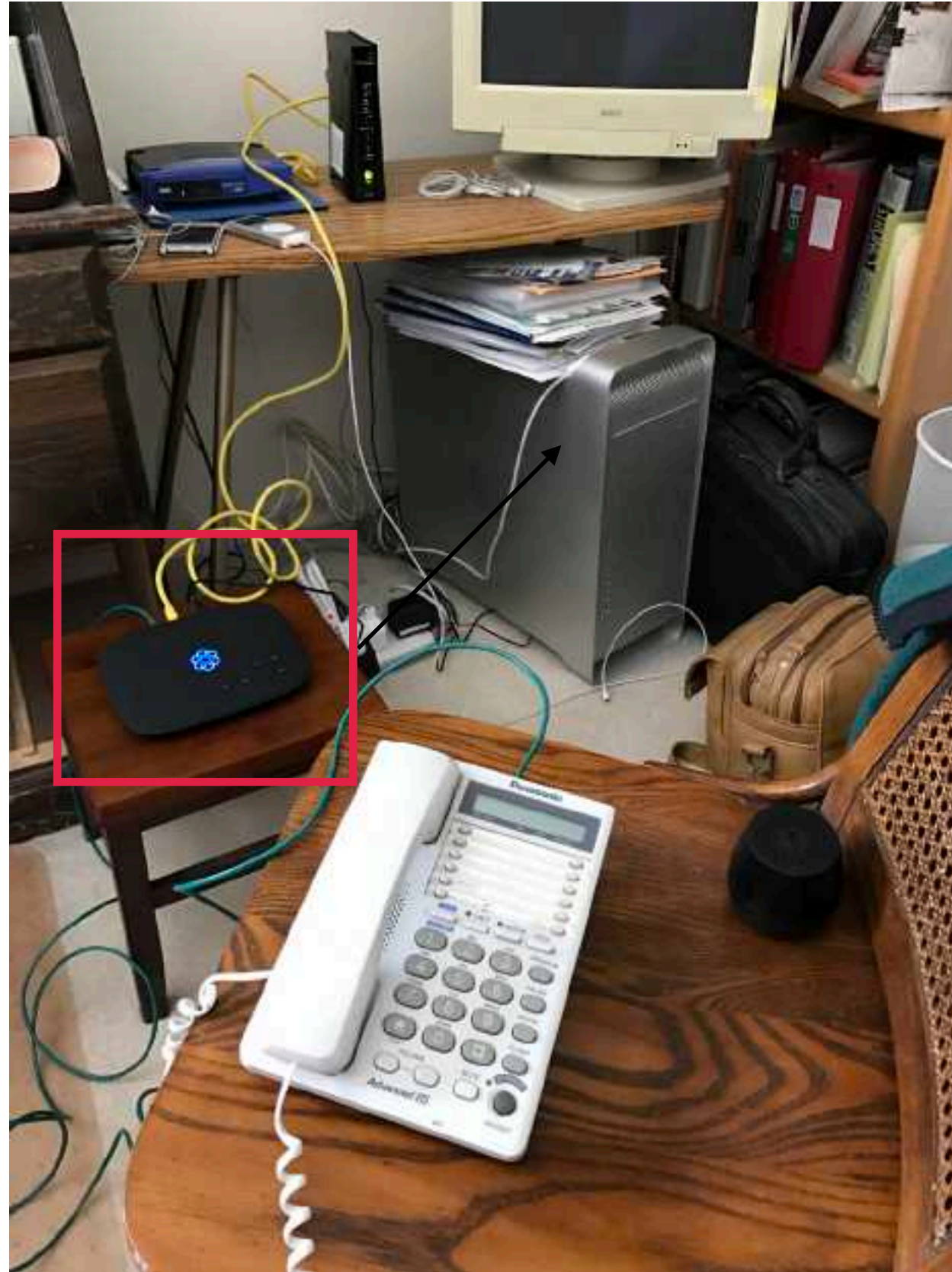
You need to think out what you want

- Air Conditioners
- Cameras
- Doorbell
- Garage Door Openers
- Indoor lights, Porch lights
- Locks
- Phones
- Plugs
- Routers
- Sprinklers
- Switches
- Thermostates
- TVs
- Shades

Ooma - no more junk calls

my first go at "automation" of filtering out junk calls

Ooma →



Your Requirements

1. **Start with main Goals (Security)**
2. **Change as you design your system**
3. **Find out what is available**
4. **Consider costs**

My Original Goal was to control the house lights so the house looked like we were home, without the little one plug mechanical or digital switch.

Nothing tells a crook like a living room light on during the day, with no-one home. Come back after dark.

Guides

For Buying

- Suggest sensors be compatible with Apple Home Kit (a bit harder to find), Alexa, or Google Home (Google Nest)
 - My Choice is Siri to listen & talk (Alexa is used much more) and Google???
1. Plan for future
 2. Think about power outages
 3. Start small & simple (Smart Home tech is a bit overwhelming - lots of devices, lots of features)
 4. Can have hands on to examine some devices at Lowes & Home Depot & Best Buy
 5. Don't get too many Apps

Indoor Desk lights (Lights look like we are home)

Jeff's Start Inexpensive (WeMo Smart Plug), Simple Start for Smart Home



- \$28 for two WeMo, now Belkin
- Download App & connect
- A bit of struggle, connect to your WiFi, 20 minutes of work
- Good online instructions
- Good WeMo customer support
- Set on/off times, & related to sunset & sunrise & Daylight Saving time
- Come back to schedule if power fails

Porch Lights Switch - Next

- DIY?
- A must have: Non-Contact Tester
- Jeff's: put tip next to a wire - if carrying current,
tester makes noises



WeMo Light Switch



Simple - on - off - \$45

- 3 Way too - \$45

- Dimmer too - \$40

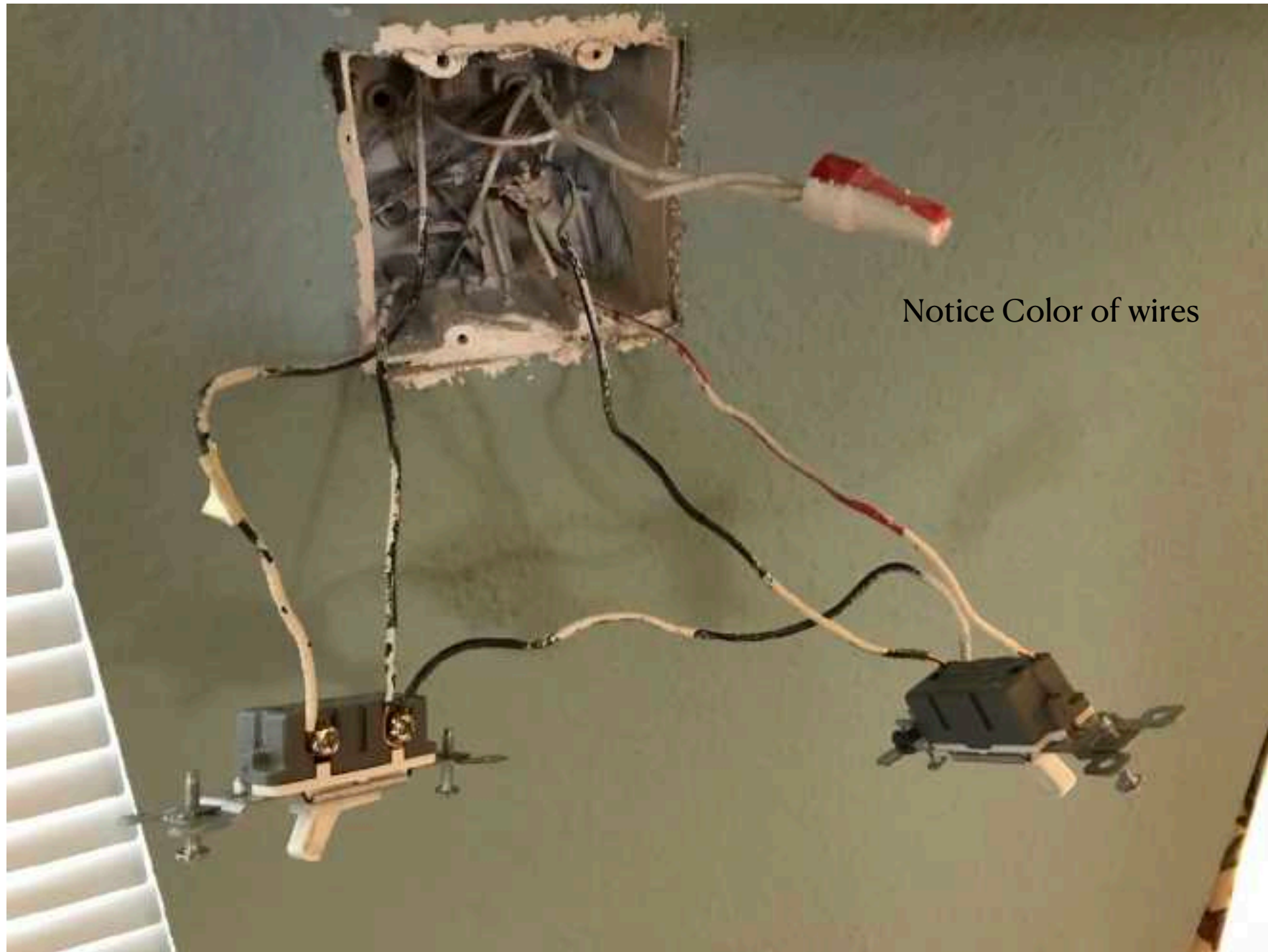
- Button switch

- Control by iPhone App

- Use menu in App to set on
& off times or sunset/
sunrise

- Can also push a button in
the App to turn on or off

Porch light In progress



Porch Light Finished



Push black, turns light
off or on

Porch Lights WeMo Switch

- **Must download app & connect**
- **Capabilities**

- Set time on or off
- Set times relative to sunset & sunrise
- Knows when Daylight Saving time happens
- Push the button on the switch for on and off override
- Does not effect set on-off time in app
- Works with Apple HomeKit

Porch & Drive Cameras

Requirements

1. No Lights on motion - do not want blasted by bright lights when we drive in. (have a garage door control & garage lights)
2. Motion recorded in daylight, low light & dark (color in dark if possible)
3. Wrap around recording, SD Card and/or cloud
4. limits the distance of motion
5. Battery powered (for mounting purposes)
6. Weather proof (low temp, high-winds, snow, rain)
7. Works with Apple Home Kit
8. Viewing method? (Mac, iPhone, iPad)
9. Reasonable Cost

Motion recording & Spotlight Cameras

Requirements

1. On/Off for multiple cameras (we have sunset BBQs & parties on the patio)
2. Lights & record on on motion - Motion recorded in daylight without lights
3. Wrap around recording, SD Card and/or cloud
4. limits the distance of motion
5. Battery powered (for mounting purposes)
6. Weather proof (low temp, high-winds, snow, rain)
7. Works with Apple Home Kit
8. Viewing method? (Mac, iPhone, iPad)
9. Reasonable Cost

Capabilities

TBF (To Be Found)

- Set time on or off (#1)
- Set times relative to sunset & sunrise (nice)
- Knows when Daylight Saving time happens (nice)
- Push the button on the switch for on and off (#2)
- iPhone on/off does not effect set on-off time in app (nice)
- Works with Apple HomeKit (said it did, 1st did not, new ones do)

Garage Driveway Camera



Blink Outdoor 3-Cam Security Camera System, Black



Blink Outdoor - wireless, weather-resistant HD security camera, two-year battery life, motion detection, set up in minutes – 2

Rock: Security Cameras Wireless Outdoor with Spotlight & Siren, Dzees 1080P Battery Powered WiFi Cameras for Home Security, AI Motion Detection, Color Night Vision, 2-Way Talk, Waterproof, SD/Cloud. \$50



Wyze V3 Color Night Viewing
Starlight CMOS Sensor helps you to see in ultra low-light conditions.

AI - human shape.

2 Way Talk - like a phone, no push to talk. Siren 80 DB. 1- \$36, 2 - \$59

Camera North & South

Motion & light

<https://www.bestproductsreviews.com/motion-sensor-light-outdoor>



HMCITY Solar Lights Outdoor XXXX Lumens 270° \$16



Solar Lights Outdoor Dimunt 3 heads xxxxx



Wyze cam floodlight with 2 cameras xxxxx
Lumens 270° \$85 1080P Wyze microSD card \$10 32 GB - View at Home Depot



Wyze Cam V3 With Color Night Vision, Wired 1080P

Wyze Cam V3 \$36

Door Bell

Requirements

1. Works with original door bell, which works well - no need for added app
2. Records motion to the end of our sidewalk
3. Uses power already on our old doorbell
4. limits the distance of motion of motion
5. Wide angle of view
6. Weather proof (low temp, high-winds, snow, rain)
7. Works with Apple Home Kit
8. Viewing method? (Mac, iPhone, iPad)
9. Reasonable Cost

Capabilities

TBF (To Be Found)

- Set time on or off (#1)
- Set times relative to sunset & sunrise (nice)
- Knows when Daylight Saving time happens (nice)
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Doorbells

< Doorbells

6 products in **Apple HomeKit | Video Doorbells**

Popular Filters



Wireless



Ring



Wired



Google



Price: \$50 -
\$100



Arlo



Installation
Available

Doorbell Camera

Door Ringer



[Product Review >](#)

- 👍 1080p HD Camera
- 👍 Completely wireless, easy to install
- 👍 Stream live video to your phone
- 👍 Smart motion detection
- 👍 Two-way audio
- 👍 Wide angle of view
- 👍 Real time alerts
- 👍 Free APP
- 👍 Night vision
- 👍 Up to 12 months on a single charge
- 👍 Mde in USA, Money back guarantee
- 👍 95% Positive Verified Reviews

⊗ Only available for online purchase

⊗ No subscription plan

Discounted Price: \$99.99 - Up to 50% Off
Limited Time Promo

Screen

Door Bell



Blink Video Doorbell

- Two-way audio, HD video, motion and chime app alerts, Alexa enabled, and easy install —wired or wire-free (Black or white).
- Answer your door no matter where you are from your smartphone with 1080p HD day and infrared night video and two-way audio
- Experience long-lasting battery life, custom alerts, privacy settings, and more
- Get alerts when motion is detected or someone presses Video Doorbell Pair with the Sync Module 2 (sold separately) or wire to engage any time
- Designed for every home, go wire-free or connect to existing doorbell wiring to also sound in-home chime
- Set up yourself in minutes with the two included AA lithium

Sprinkler Control

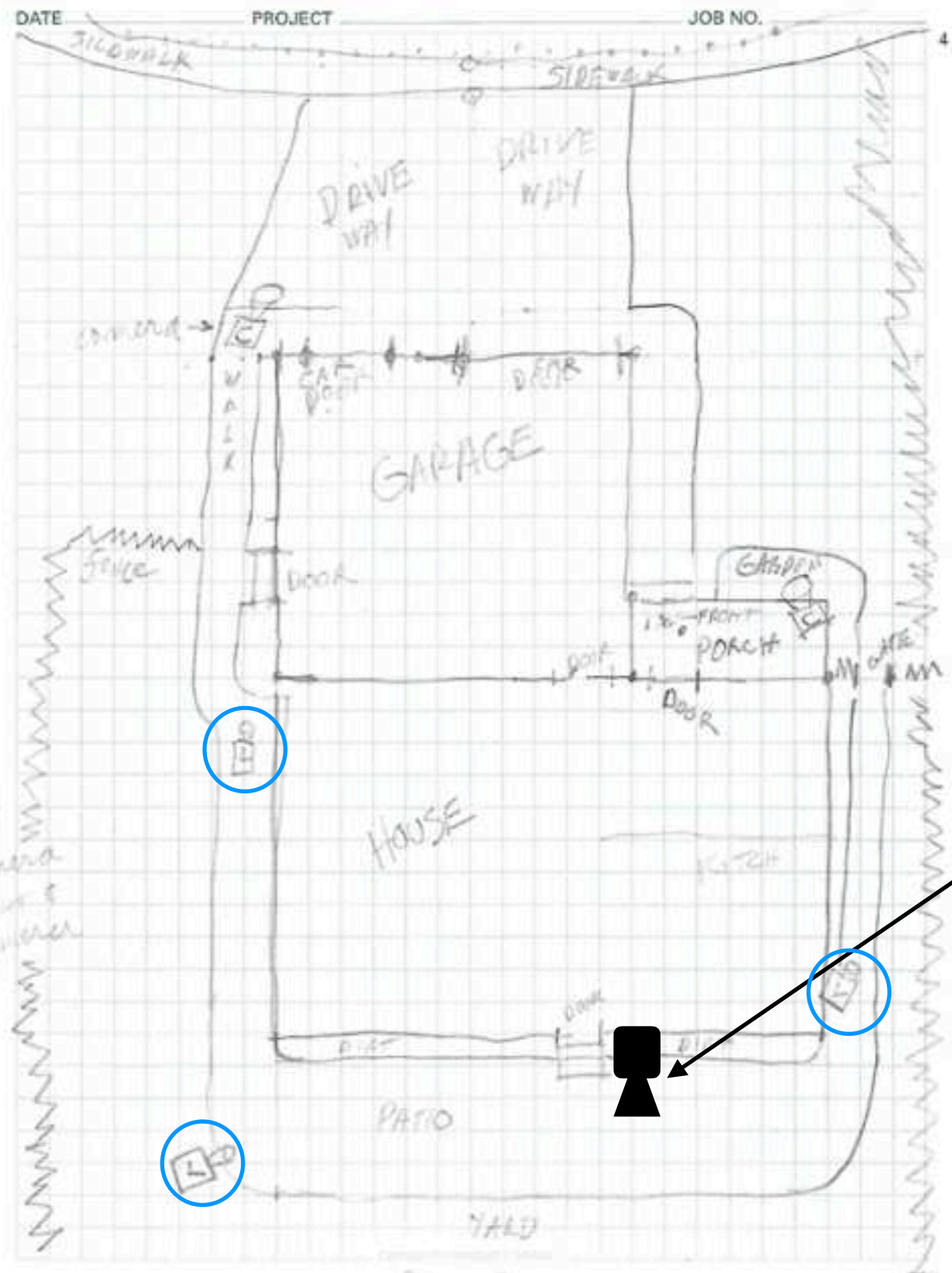
Saves water & Money

- Rachio control



- Worry-Free Watering - Rachio watches the weather, so you don't have to, providing the right amount of water for your lawn and garden. The Rachio 3 Smart Sprinkler Controller automatically creates watering schedules that lower your water bill and ensure a beautiful yard.
- Exclusive Weather Technology - Exclusive Weather Intelligence plus automatically skips unnecessary watering with features like rain skip, wind skip, freeze skip, and more.
- Control From Anywhere - Control your watering from anywhere with the easy-to-use app. Run sprinklers, view upcoming schedules, and observe your estimated outdoor water usage. Rachio's mobile app lets you manage your sprinkler system from anywhere. Please note: Phone is not included with sprinkler system.

Drawing helps a possible layout. Note there are 3 L = Flood Light Cameras on the drawing. This did not work because all of these need to be wired, not batteries. The black camera icon is a powered



L = Flood Light Camera

This camera has 2 lights for 180° light, and a camera wide field of view 270° + electricity.

Note there are 3 L = Flood Light Cameras. This did not work because all of these need to be wired, not batteries. The black camera icon is a powered floodlight.

Jeff's 2 Front Cameras Choice

Wyze Cam v3

Pros

- Starlight sensor delivers color night vision
- Local storage with optional microSD card
- Can be used indoors or out
- Works with HomeKit

Cons

- Requires AC power, no battery option
- 5-minute cool-down between recordings (unless you buy a subscription)
- Cam Plus subscription (\$1.99/mo per camera) required to unlock all features

MSRP: \$35.98

Best Prices Today: [\\$35.98 at Wyze Labs](#)



It's hard to beat Wyze Labs when it comes to affordable home security devices. This third iteration of the company's indoor/outdoor security cam delivers tremendous value, including color night vision and local storage if you supply a microSD card. As with many products in this class, you'll want to sign up for the optional subscription plan to unlock all of this camera's capabilities, including back-to-back video recording with no cooldown period in between. The Wyze Cam v3 does require AC power to operate, however, which means it's not the most flexible option for outdoor use.

Drive & Porch

Two Wyze V3 Cameras Like This



Jeff's Motion Lights TwoSides of House & One Unit on Patio

One on Patio Wyze Flood Motion Camera

- Meets all planned of 2 motion lights on the two sides of house
- 30 ft, 270°



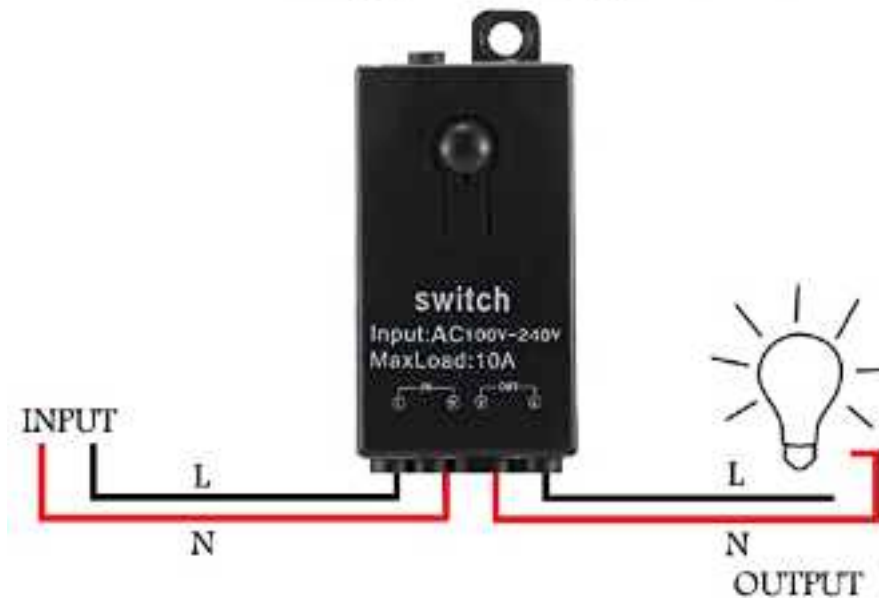
Dana Added

Turn Bright Garage Light On Remotely Coming up to Garage

dstfuy brand Remote Control Light Switch, 110V/120V/240V /10A Relay No Wiring, Mini Remote Switch for Lights, 328FT Long Range for Household Appliances, Ceiling Lights, Water Pump, Electrical Equipment.



Wiring diagram



Systems

6 good ones

| | <u>SYSTEMS</u> | | |
|-------------------------------------|---|--|---|
| ALL In ONE Systems | URL | Like | Build your system |
| SimpliSafe Wireless Security | www.simplisafe.com/wireless | PC Mag Choice | Shop your system Shop Packages \$30/month |
| ADT | https://www.adtsecuritysystem.com/ | traditional security free Quote, Control Panel | Packages |
| ALDER | www.alderalarm.com/promo | must enter data to get quote | |
| .vivint | https://www.vivint.com/smart | must enter data to get quote | |
| COVE | https://www.covesmart.com/ | Up front cost given Control Panel | \$28/month |
| Wyze home monitoring | https://www.wyze.com/pages/home-security-monitoring-system | Build your system Leak, CO2, temperature, humidity, door / window open | \$10 / month |

When you plan to be gone for a month or more

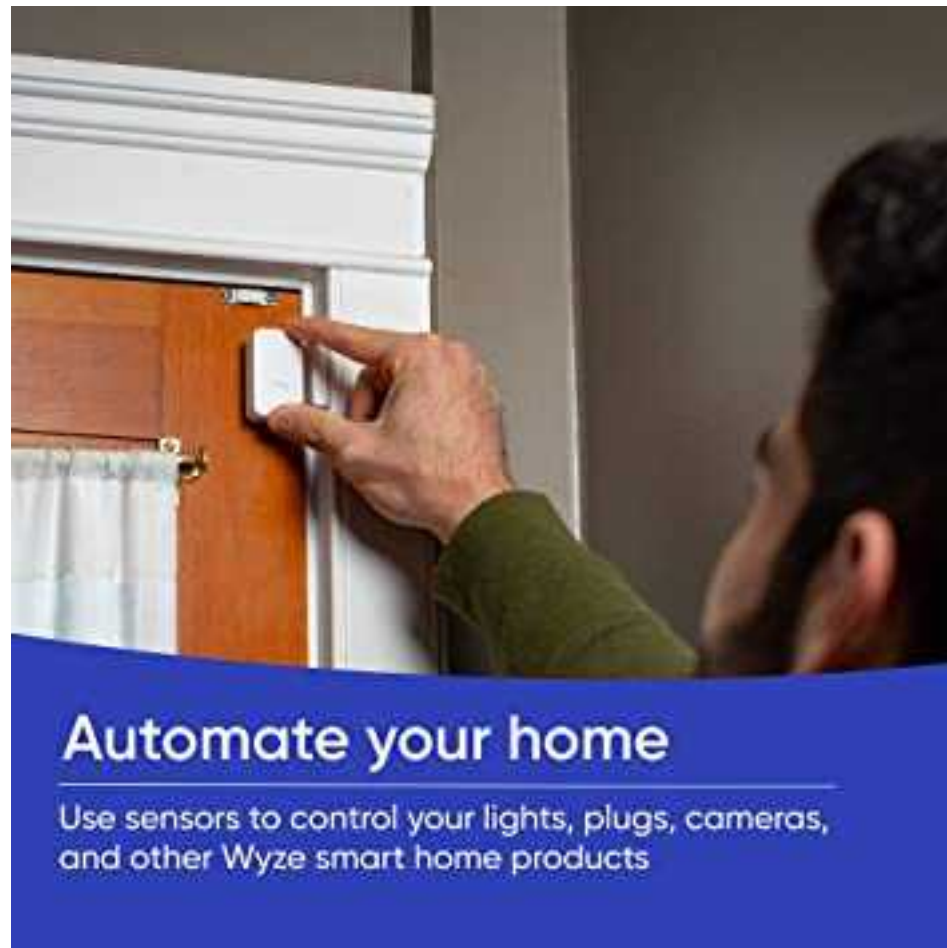


**Real people contact
you in emergencies**

\$9.99/month. No hidden fees. -
Professional home security shouldn't just be for the wealthy. At Wyze, we believe deeply in providing quality technology at a price anyone can afford. At \$9.99/month, our service is a fraction of the market average. The monitoring service is only available for the 50 US States at this time.

Look what I found on Wyze

For the Future When We are on Travel. An Entry 3 Pack.



Other Devices

Work with Apple's Home Kit. Just FYI.

Here is a list of the **best smart home devices** for Apple HomeKit in 2022:

1. Apple TV 4K – Best Streaming device
2. HomePod Mini – Smart Speaker
3. Emerson Sensi Touch Wi-Fi Thermostat – Smart Thermostat
4. Schlage Sense Smart Deadbolt – the Best Smart Lock
5. Logitech Circle View Doorbell – Best Video Doorbell
6. Eve Light Strip – Smart Light Strip
7. Philips Hue White and Color Ambiance Starter Kit (Gen 3) – Smart Bulb
8. Logitech Circle View Outdoor Security Camera – Outdoor Security Camera
9. Abode iota All-In-One Home Security Kit – High-end Security System

Traditional vs. More Modern Mesh

Mesh networking is a relatively new entry into the consumer market, so you would be forgiven to think it would automatically be 'better' than a standard router. However, a mesh network is an overkill for some. A Mesh is to spread coverage at your home.

A standard router acts as a central hub for Internet connectivity. Traffic and requests from devices granted permission to connect to the main router's internet service -- usually through a password -- are funneled through one access point.

Do I need a **modem**? If you want an internet connection in your **home**, then you need either a **Cable Modem** or **DSL Modem**.

For Jeff's future Nodes



eero 6 - Fast,
reliable Wi-Fi

eero WiFi \$75



eero 6 - Fast,
reliable Wi-Fi

\$169.00

eero



Google -
Mesh

\$119.00 ~~\$169~~

Google Store



NETGEAR Orbi
Pro WiFi 6 Mini

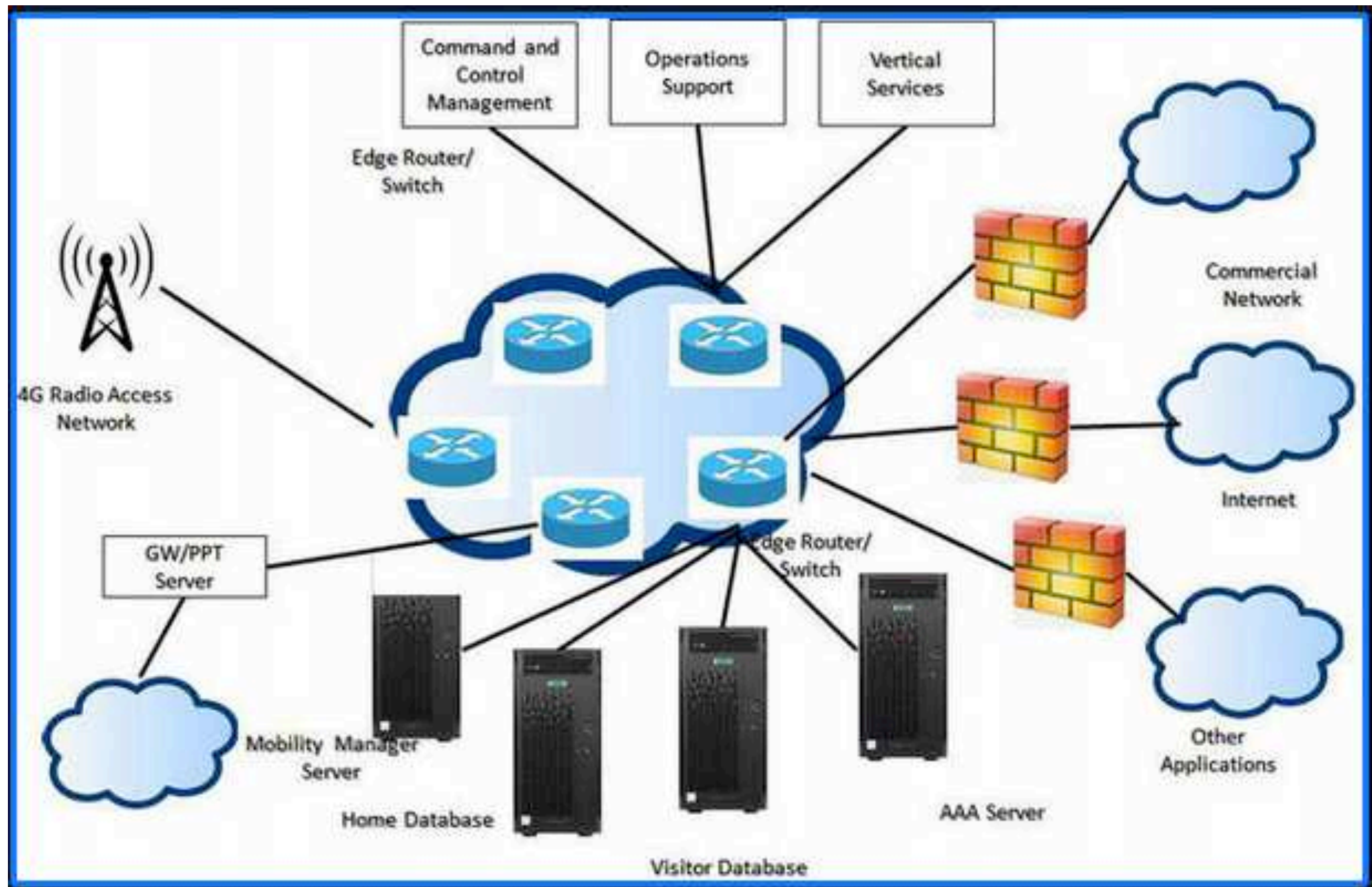
\$69.99



Linksys -
Dual-Band ...

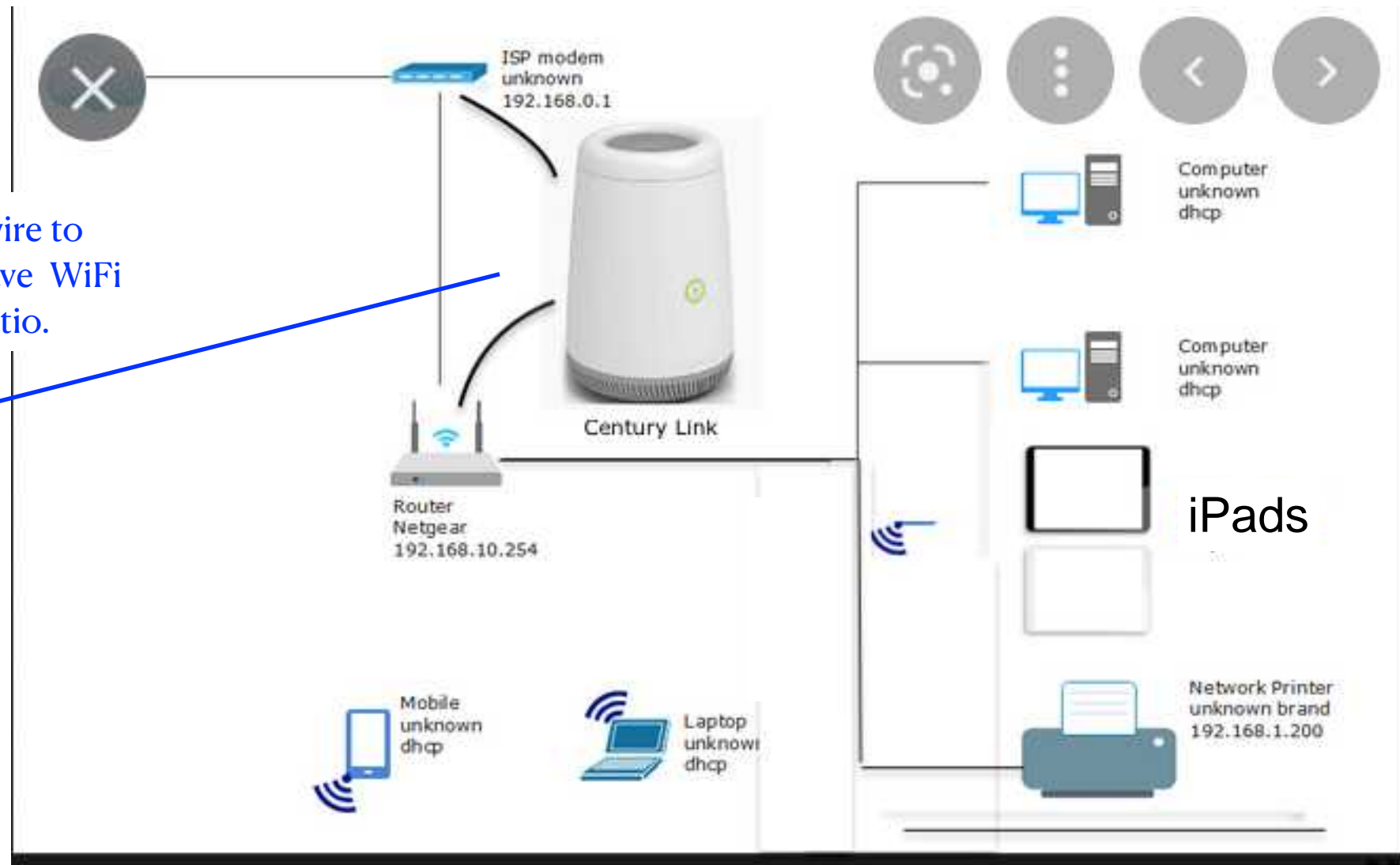
\$396.00

Over View of Wireless Mesh Network



Jeff's Current Home vs. Future Mesh

A standard router acts as a central hub for Internet connectivity. Traffic and requests from devices granted permission to connect to the main router's internet service -- usually through a password -- are funneled through one access point.



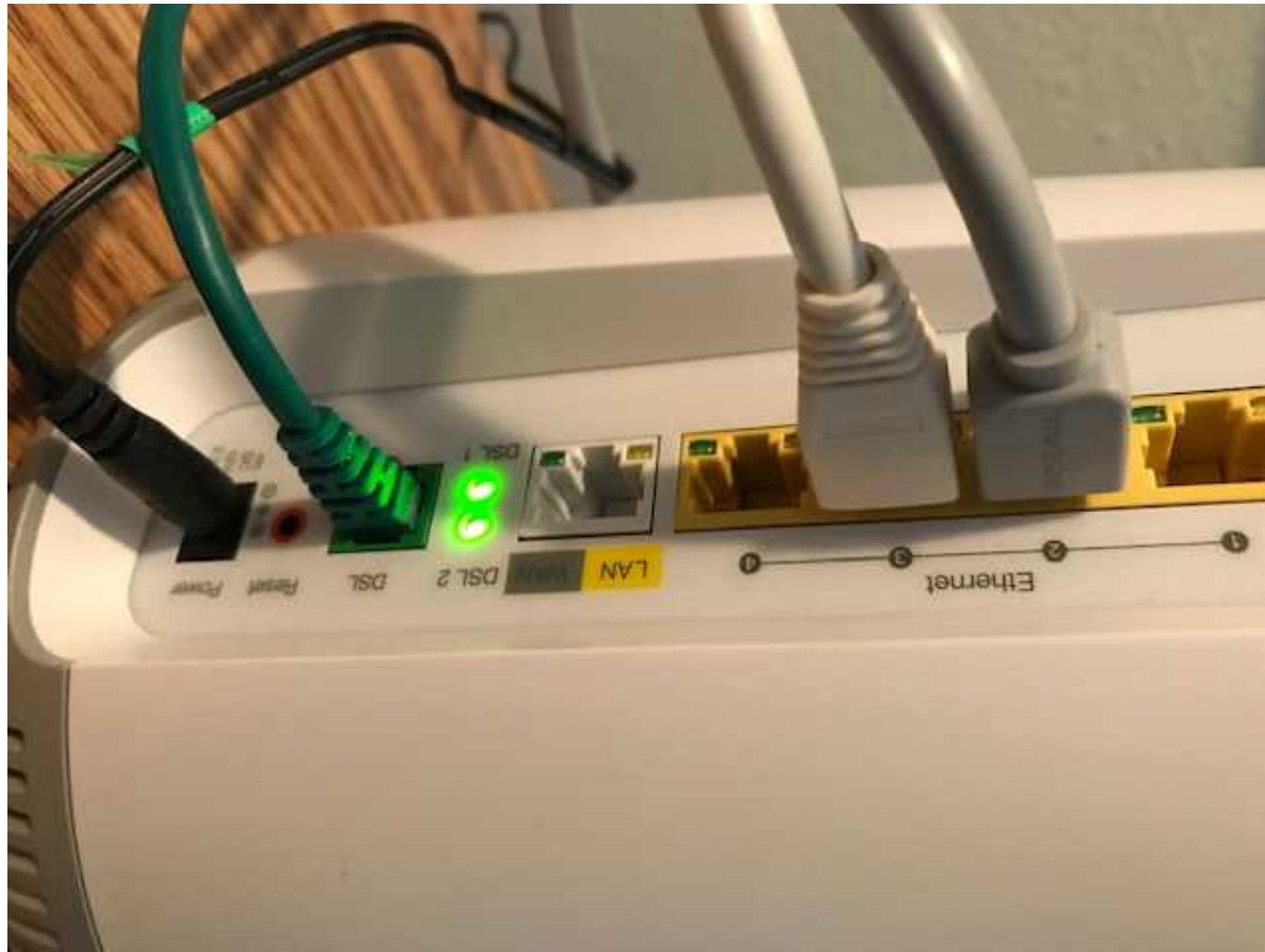
Future Ethernet wire to upstairs router to have WiFi on the north patio.



eero 6 - Fast, reliable Wi-Fi

Mesh Network - WiFi to patio in back

Get WiFi all over & on back patio
Back of my Hub two Ethernet plugs



Jeffs current router - A standard router acts as a central hub for Internet connectivity.

**January \$200 as Prize
Suggested to start.**

- 1. Four WeMo plugs (indoor lights) \$56**
- 2. One WeMo Light switch \$34**
- 3. One Wyze Cam 3 \$36**
- 4. Wyze WiFi Flood Light Cam \$80**

\$206 Total



The End

Smart Home

Jeff Jensen & Jim Johnson 13 March 2022