

**IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
WACO DIVISION**

MONUMENT PEAK	§	
VENTURES, LLC,	§	
Plaintiff,	§	
	§	CASE NO. 6:22-cv-1250
v.	§	
	§	
TP-LINK CORPORATION	§	JURY TRIAL
LIMITED f/k/a TP-LINK	§	
INTERNATIONAL LTD.	§	
Defendant.	§	

COMPLAINT AND JURY DEMAND

Plaintiff Monument Peak Ventures, LLC (“MPV”) brings this action against TP-Link Corporation Limited formerly known as TP-Link International Ltd. (“TP-Link”) for infringement of U.S. Patent Nos. 8,665,345, 8,305,452, 7,483,061, 8,842,155, and 7,106,333 and alleges the following:

THE PARTIES

1. Plaintiff, Monument Peak Ventures, LLC, is a Texas Limited Liability Company with its principal place of business in Allen, Texas.
2. Defendant TP-Link Corporation Limited is a private limited company organized under the laws of Hong Kong, with its principal place of business located at Suite 901, New East Ocean Centre, Tsim Sha Tsui, Hong Kong, China.
3. In 2020, TP-Link International Ltd. changed its name to TP-Link Corporation Limited.

4. According to its corporate profile published on its website (*available at <https://www.tp-link.com/hk/about-us/corporate-profile/>*), TP-Link was founded in 1996 and is ranked as “the No. 1 provider of Wi-Fi devices for a consecutive 11 years, supplying distribution to more than 170 countries . . .” TP-Link supplies a full range of products to customers in the United States.



About TP-Link

Founded in 1996, TP-Link is a global provider of reliable networking devices and accessories, involved in all aspects of everyday life. The company is ranked by analyst firm IDC as the No. 1 provider of Wi-Fi devices for a consecutive 11 years*, supplying distribution to more than 170 countries and serving billions of people worldwide.

With a proven heritage of stability, performance, and value, TP-Link has curated a portfolio of products that meet the networking needs of all individuals. Now, as the connected lifestyle continues to evolve, the company is expanding today to exceed the demands of tomorrow.

To know more about us, you could get regional contact information from the "Contact Us" part.

For media requests, please mail to pr@tp-link.com.

*According to the latest published IDC Worldwide Quarterly WLAN Tracker Report, Q1 2022 Final Release.

5. TP-Link Corporation Limited may be served with process at its

primary office location at Suite 901, New East Ocean Centre, Tsim Sha Tsui, Hong Kong.

JURISDICTION AND VENUE

6. MPV brings this action for patent infringement under the patent laws of the United States, namely 35 U.S.C. §§ 271, 281, and 284-285, among others. This Court has subject-matter jurisdiction pursuant to 28 U.S.C. §§ 1331 and 1338(a).

7. TP-Link is subject to this Court's specific and general personal jurisdiction pursuant to due process and/or the Texas Long-Arm Statute, due at least to its substantial business in Texas and this judicial district including: (a) its infringing activities alleged in this complaint by which Defendant purposefully avails itself of the privilege of conducting its business activities in this state and district, and thus, submits itself to the jurisdiction of this Court; and (b) regularly doing or soliciting business, contracting with and engaging in other persistent conduct targeting residents of Texas and this district, or deriving substantial revenue from goods and services offered for sale, sold, and imported to and targeting residents of Texas and this district directly and through or in concert with intermediaries, agents, distributors, importers, customers, subsidiaries and/or consumers. See <https://www.tp-link.com/us/where-to-buy/>.

8. TP-Link's presence and conduct directed to residents of Texas and

into this district is intended to further and advances the development, design, manufacture, importation, distribution, sale, and use (including by inducement) of infringing TP-Link products in Texas and in this district.

9. Venue is proper in this judicial district pursuant to 28 U.S.C. §§ 1391(c)(3) which provides that “a defendant not resident in the United States may be sued in any judicial district.”

10. TP-Link transacts business in this judicial district and has committed acts of infringement in this judicial district.

11. TP-Link directly or through intermediaries, makes, uses, offers for sale, imports, sells, advertises, or distributes products and services in the United States, in Texas, and in this district.

12. TP-Link advertises its products to residents in Texas and in this district via its website: www.tp-link.com.

13. TP-Link makes, designs, and distributes products intended and destined for purchase, use, deployment, and operation within the district and in Texas.

14. TP-Link conducts its business of marketing, distributing, deploying, and selling products and services in Texas and in this district through its agents, representatives, affiliates, related entities, partners, distributors, and retailers.

15. TP-Link continuously and systematically solicits business and

contracts with residents of Texas and this district.

16. By way of example, and as a predicate for access and use, TP-Link requires end users and subscribers to enter a written contract containing certain terms and conditions governing end users' access and use of TP-Link's mobile applications including the Kasa Smart Home app, the TP-Link Camera app, the TP-Link Vigi app, and TP-Link's Tapo app.

17. This Court has personal jurisdiction over TP-Link, directly and/or indirectly via the activities of TP-Link and its intermediaries, agents, related entities, affiliates, distributors, importers, customers, subsidiaries, or consumers. Alone and in concert with these entities, TP-Link has committed acts of direct and/or indirect patent infringement within Texas, and elsewhere within the United States, giving rise to this action and/or has established minimum contacts with Texas.

TP-Link Maintains a Sales Network and Channels for Selling and Distributing into the United States and Texas

18. TP-Link has a global network of sales and distribution channels for selling TP-Link products. *See* Choose Your Location, available at <https://www.tp-link.com/us/choose-your-location/>.

19. TP-Link's global network includes retail stores and distributors operating in Texas, including this district. *See* <https://www.tp-link.com/us/where-to-buy/>.

20. TP-Link directs and controls the acts of its affiliates and related entities in the manufacture, shipment, importation, and distribution of TP-Link products into and within the United States.

TP-Link Registers its Products with the U.S. Federal Communications Commission to Sell in the United States

21. To sell certain products in the United States, TP-Link applied for and obtained registrations for certain TP-Link products from the United States Federal Communications Commission (FCC).

22. In its application and disclosure to the FCC, TP-Link identified itself as the responsible manufacturing party of TP-Link products intended for the domestic market and for use by United States residents. *See* <https://fccid.io/2AXJ4C200V2>.

23. TP-Link identified as “Grantee” for a non-transferrable “equipment authorization” from the FCC for the sale of certain TP-Link products in the United States. *See* <https://fccid.io/2AXJ4C200V2>.

24. Under the authority of the FCC, TP-Link sought and received authorization for “equipment for operation at approved frequencies and sale within the USA.” *See* FCC Grant of Equipment Authorization Certification for TP-Link (e.g., <https://fccid.io/2AXJ4C200V2>).

25. TP-Link’s FCC product registrations include certain accused TP-Link cameras: the Smart Wire-Free Security Camera (<https://fccid.io/2AXJ4C400>); the

TP-Link Kasa Spot, 24/7 Recording (<https://fccid.io/2AXJ4KC105>); the Home Security Wi-Fi Camera (<https://fccid.io/2AXJ4C100V4>); and the Pan/Tilt Home Security Wi-Fi Camera (<https://fccid.io/2AXJ4C200V2>).

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER:	2AXJ4C400
Name of Grantee:	TP-Link Corporation Limited
Equipment Class:	Digital Transmission System
Notes:	Smart Wire-Free Security Camera

<https://fccid.io/2AXJ4KC105>

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER:	2AXJ4KC105		
Name of Grantee:	TP-Link Corporation Limited		
Equipment Class:	Digital Transmission System		
Notes:	Kasa Spot, 24/7 Recording		

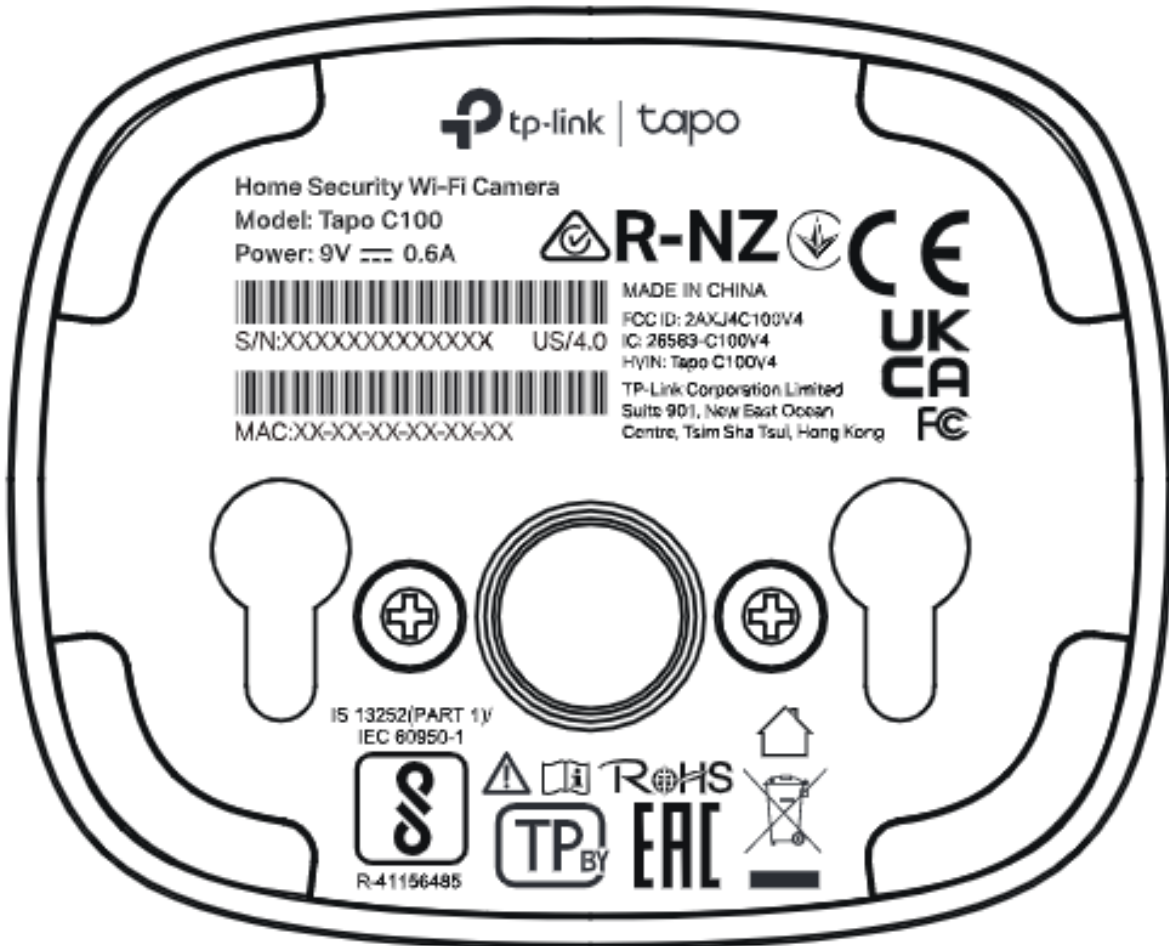
FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Fre To
15C	2412.0 - 2462.0	0.4875	

<https://fccid.io/2AXJ4KC105>

26. TP-Link is listed on the labels of its products as the manufacturing party. <https://fccid.io/2AXJ4C400/Label/4-Label-and-location-6219811>



<https://fccid.io/2AXJ4C400/Label/4-Label-and-location-6219811>



<https://fccid.io/2AXJ4C100V4/Label/Tapo-C100-Label-6004895>

27. TP-Link certifies that its products comply with all necessary FCC requirements governing usage in the U.S. *See e.g.*, <https://fccid.io/2AXJ4C400/Letter/15-Declaration-of-Conformity-6219808>; and <https://fccid.io/2AXJ4C100V4/Letter/Tapo-C100-FCC-Declaration-of-Conformity-Rev01-6004892>.

Declaration of Conformity

We

Name: TP-Link Corporation Limited

Address: Room 901, 9/F. , New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui,
Kowloon, Hong Kong

Declare that:

Product: Smart Wire-Free Security Camera

FCC ID: 2AXJ4C400

Model: Tapo C400

Brand: tp-link

Product which bears the above FCC ID is also compliant with the FCC requirements for sDOC.
And the sDOC procedure shall be carried out prior to marketing the device in the US.

Sincerely,



Name: Sarah Wang

<https://fccid.io/2AXJ4C400/Letter/15-Declaration-of-Conformity-6219808>



Declaration of Conformity

We

Name: TP-Link Corporation Limited

Address: Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui,
Kowloon, Hongkong

Declare that:

Product:	Home Security Wi-Fi Camera
FCC ID:	2AXJ4C100V4
Model:	Tapo C100
Brand:	tp-link

Product which bears the above FCC ID is also compliant with the FCC requirements for sDOC.
And the sDOC procedure shall be carried out prior to marketing the device in the US.

Sincerely,

A handwritten signature in black ink that reads 'Sarah Wang'.

Name: Sarah Wang

Position: Regulatory Compliance Manager

Date: 2022-07-13

<https://fccid.io/2AXJ4C100V4/Letter/Tapo-C100-FCC-Declaration-of-Conformity-Rev01-6004892>

28. TP-Link certifies compliance with FCC requirements to allow TP-Link products to be sold in the United States.

TP-Link Designs and Packages Products for Sale in the United States

29. TP-Link designs and packages the accused products specifically for the United States market. For example, the accused products sold in the United States contain electrical plugs compatible with United States power outlets. TP-Link employees knowingly package products with United States power cords intending to direct distribution into the United States.

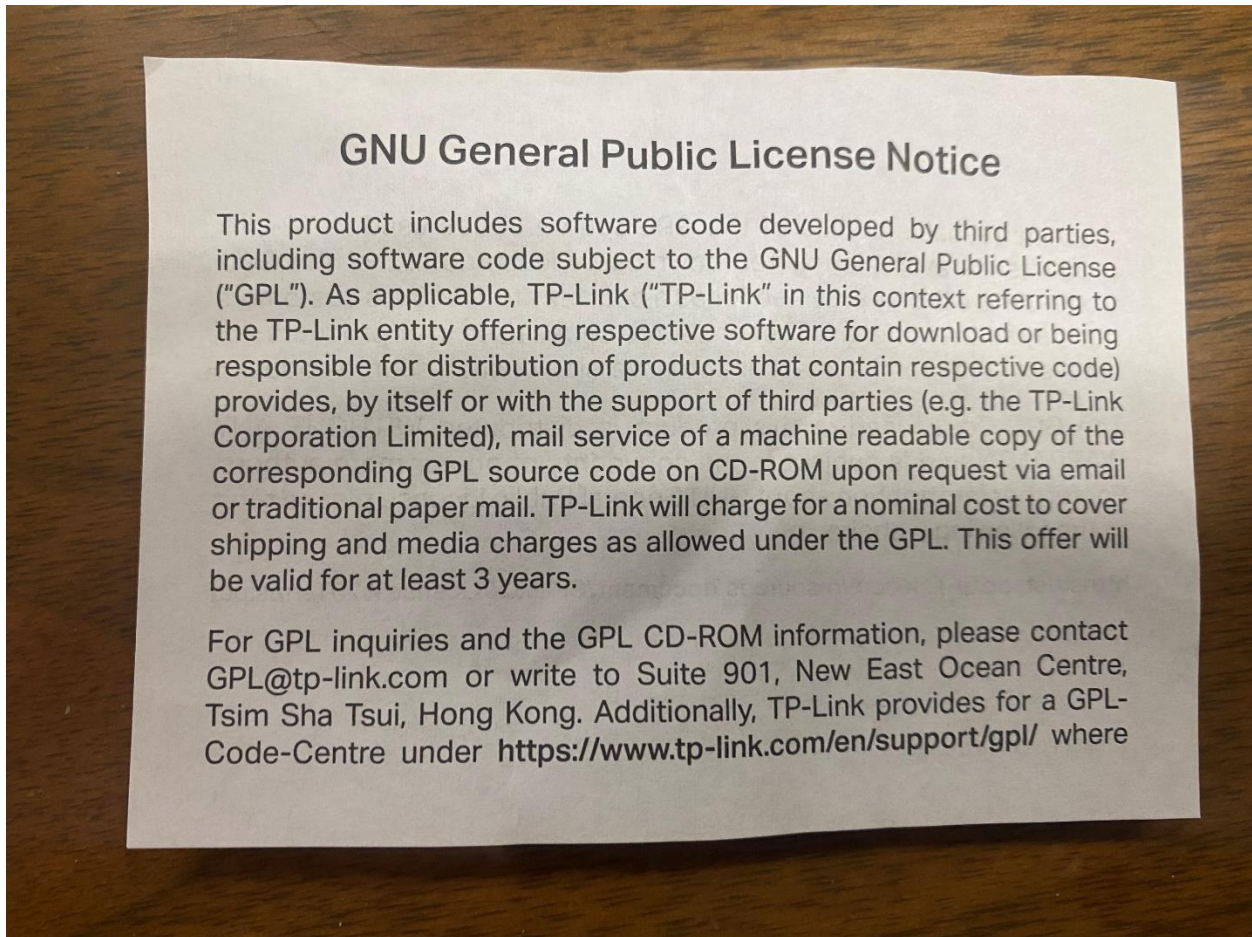
30. TP-Link brands its product packaging with its products with its name and copyright. *See* Kasa Spot Pan Tilt 24/7 Recording camera.

Specifications are subject to change without notice. © 2021 TP-Link Corporation Limited. All rights reserved. TP-Link is a registered trademark of TP-Link Corporation Limited. App Store is a service mark of Apple Inc. Google is a trademark of Google LLC. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



31. TP-Link places written notices to U.S. customers in its product packaging directing them to ask TP-Link about its GNU General Public Licenses at TP-Link's Hong Kong address.



32. As part of TP-Link’s global manufacturing and distribution network, TP-Link purposefully places infringing TP-Link products in established distribution channels in the stream of commerce, including in Texas, via distribution partners, retailers (including national retailers), reseller partners, affiliates, related entities, solution partners, service providers, consumers, and other users.

TP-Link Purposefully Directs Sales Activities to Residents of Texas and this District Through Its TP-Link Website and Sales Channels

33. TP-Link operates the www.tp-link.com domain.

34. The TP-Link website provides United States customers with sales and product information, including referring links and directions on how to purchase TP-Link products in the United States, in Texas, and in this district.

35. TP-Link holds the copyright registrations corresponding to TP-Link’s websites. See <https://www.tp-link.com/us/>; and <https://www.tapo.com/us/product/smart-camera/>

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Copyright © 2022 TP-Link Corporation Limited. All rights reserved.

36. TP-Link controls the content of its website, the gathering of consumer information through it, and how such information is utilized. For example, TP-Link and its affiliates are listed as the responsible parties for the TP-Link privacy policy. https://www.tp-link.com/us/about-us/privacy/#sec_a; <https://www.tp-link.com/us/about-us/kasa-privacy/>; and <https://www.tapo.com/us/privacy/>.

37. The TP-Link Privacy Policy states that “TP-Link Corporation Limited, and its affiliates (collectively, “TP-Link,” “we” “us,” or “our”), takes your privacy seriously. TP-Link provides (1) TP-Link branded hardware, firmware, and software products (“Products”), (2) website(s) that may be accessed

at <https://www.to-link.com/us/> and <http://www.kasasmart.com> and <https://www.tapo.com/us/> (“Sites”), (3) services, including on and through the Products, and technical support and services accessible through the Site(s) (“Web Apps”) (4) software that may be downloaded to your smartphone or tablet to access services (“Mobile App”), and (5) subscription services, including services that can be accessed using the Web Apps and Mobile Apps (“Subscription Services”). The term “Services” means the Sites, Web Apps, Mobile Apps, and Subscription Services, which may be used in conjunction with Products and in other ways provided by TP-Link.” https://www.tp-link.com/us/about-us/privacy/#sec_a

HOME SMART HOME BUSINESS SERVICE PROVIDERS **HOT DEALS** COMMUNITY

Terms Of Use [Privacy Policy](#) Kasa Care Service Agreement Your California Privacy Rights

Privacy Policy for Kasa

Last Updated on: Oct, 14 2022.

TP-Link Corporation Limited (collectively, “TP-Link,” “we” “us,” or “our”) takes your privacy seriously. We abide by applicable privacy laws and regulations to protect your personal data. Accordingly, we developed this privacy policy (“Policy”) in order for you to understand what types of personal data we collected, how we use it, for what reason do we need to process your personal data, who we share it with, when and how we destroy it, what rights do you have concerning your personal data and what measures we take to protect it.

TP-Link Corporation Limited is the controller (i.e., we are responsible for, and control the processing of, your personal data) with regard to the data processing activities described herein. If you have any questions or concerns, please feel free to contact our Data Protection Officer at privacy@tp-link.com.

<https://www.tp-link.com/us/about-us/kasa-privacy/>

PRIVACY & TERMS OF USE

1. [Privacy](#)
2. [Terms of Use](#)
3. [Notice to California Residents](#)

TP-LINK PRIVACY POLICY

TP-Link Corporation Limited, and its affiliates (collectively, "TP-Link," "we" "us," or "our"), takes your privacy seriously. TP-Link provides:

(1) TP-Link branded hardware, firmware, and software products ("Products"), (2) website(s) that may be accessed at <https://www.tp-link.com/us/> and <https://www.kasasmart.com> and <https://www.tapo.com/us/> ("Sites"), (3) services, including on and through the Products, and technical support and services accessible through the Site(s) ("Web Apps"), (4) software that may be downloaded to your smartphone or tablet to access services ("Mobile Apps"), and (5) subscription services, including services that can be accessed using the Web Apps and Mobile Apps ("Subscription Services"). The term "Services" means the Sites, Web Apps, Mobile Apps, and Subscription Services, which may be used in conjunction with Products and in other ways provided by TP-Link. Some Products and Services of TP-Link can be used together or in ways that integrate with products and services from third parties.

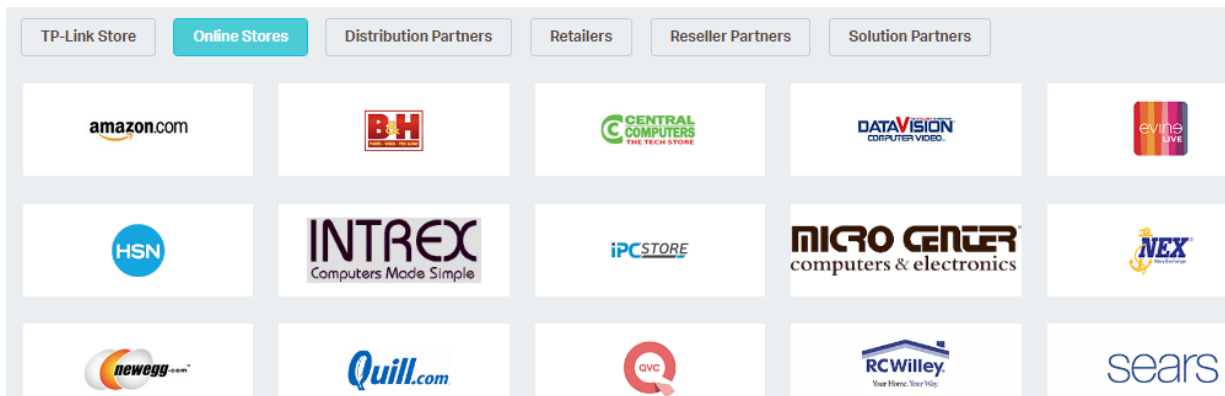
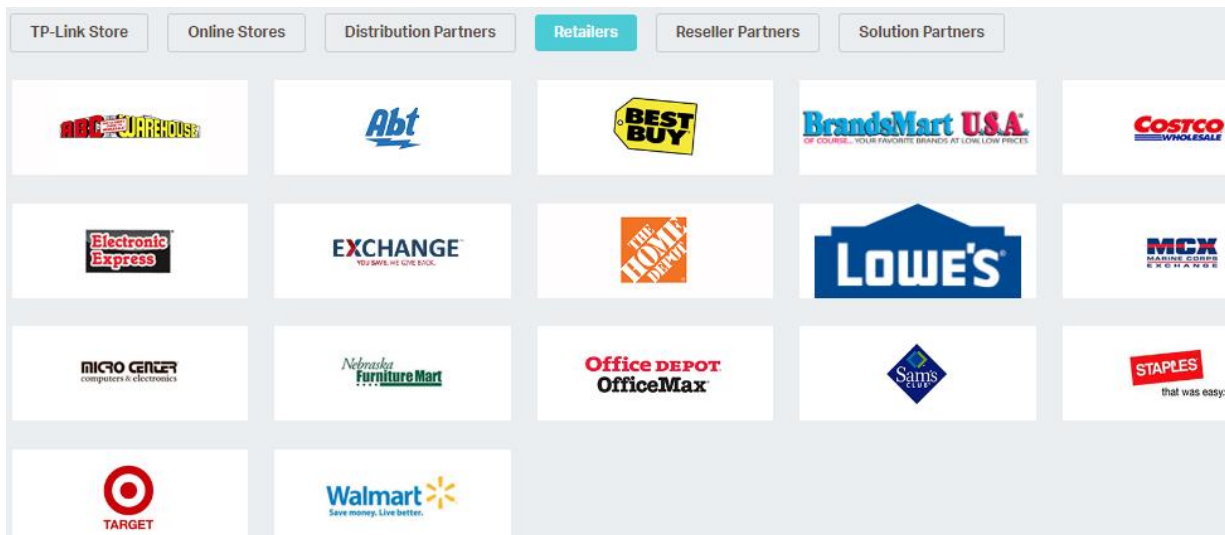
<https://www.tapo.com/us/privacy/>.

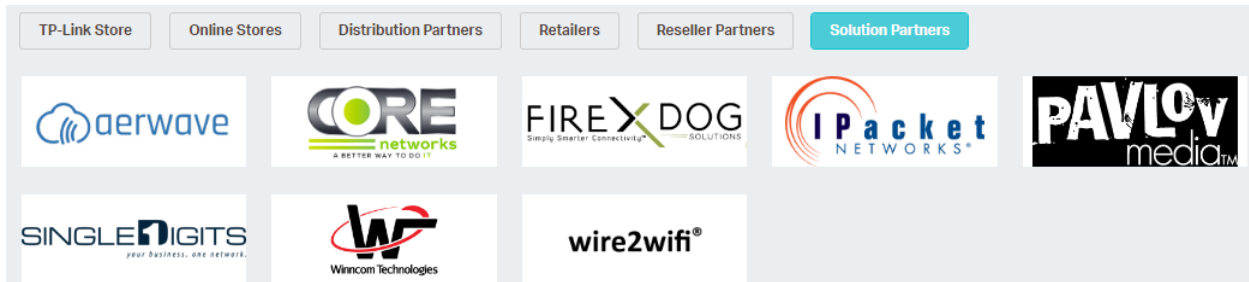
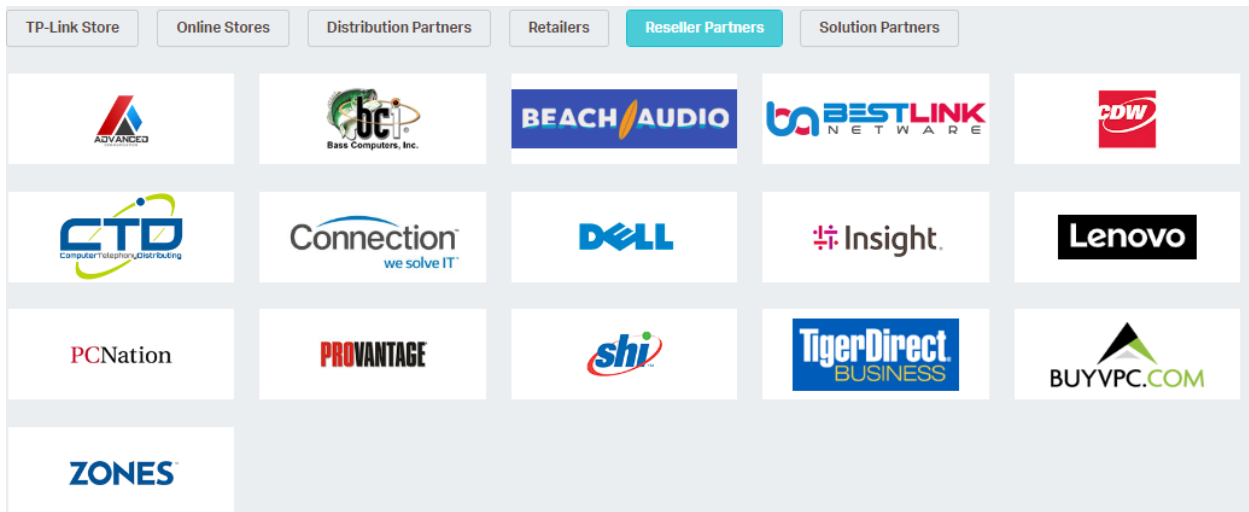
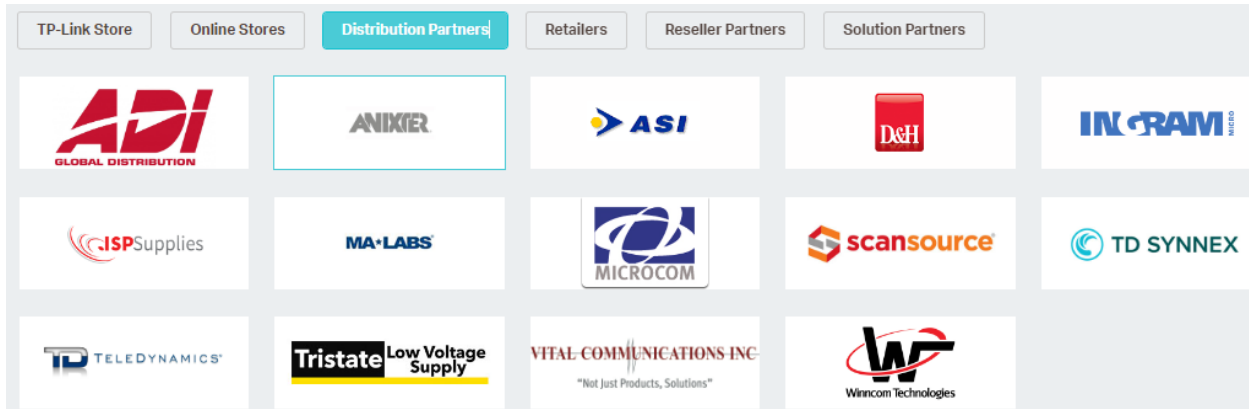
38. TP-Link represents on its website that the TP-Link hardware products, websites including <https://www.tp-link.com/us/> and www.kasasmart.com and <https://www.tapo.com/us/>, technical support and services accessible through the TP-Link websites, and software downloaded to the users smartphone or tables to access services and subscription services (collectively referred to by TP-Link as "Services") are provided by TP-Link located at Suite 901, New East Ocean Centre, Tsim Sha Tsui, Hong Kong, its affiliates and subsidiaries. [https://www.tp-link.com/us/about-us/privacy/#sec b](https://www.tp-link.com/us/about-us/privacy/#sec_b); <https://www.tp-link.com/us/about-us/kasa-terms-of-use/>; <https://www.tp-link.com/us/about-us/kasacare-service-agreement/>; and [https://www.tapo.com/us/privacy/#sec b](https://www.tapo.com/us/privacy/#sec_b).

39. TP-Link provides specifications, user manuals, installation videos, and other technical support documents for certain referenced products on its website. See <http://www.tp-link.com/us/support>.

40. TP-Link ships products (including the accused products) to its affiliate TP-Link USA. Accused TP-Link products are currently sold at major retailers in Texas and this district including Target and Office Depot stores.

41. TP-Link’s website directs customers to purchase accused products from its website (i.e., “Where to Buy”) and through its store, online stores, distribution partners, retailers, reseller partners and solution partners. For example, TP-Link lists and includes referring links to retailers that sell TP-Link products in this district including Target, Amazon, Office Depot, Best Buy, and others.





<https://www.tp-link.com/us/where-to-buy/>.

42. TP-Link’s website has a store locator feature, and direct consumers including those in Texas where to buy TP-Link products.

HOME

SMART HOME

BUSINESS

SERVICE PROVIDERS

HOT DEALS

COMMUNITY

Store Locator



Id.

43. TP-Link sells its products in the United States and to residents in Texas and this district through the TP-Link Store, Online Stores, Distribution Partners, Retailers, Reseller Partners, and Solution Partners.

44. TP-Link's website provides weblinks to distributors (i.e., referring links) and directs consumers where to purchase TP Link products (including the Accused Products). See <https://www.tp-link.com/us/where-to-buy/>.

45. TP-Link introduced its products (including Accused Products) for sale at Target stores in the United States, in Texas, and in this district. TP-Link promoted its partnership with Target and directed its customers to purchase TP-Link products from Target stores including locations in Texas and this district.



New Deco Mesh WiFi, WiFi 6 Router, Kasa Smart Camera and Plugs Now Available at Target

TP-Link®, a leading global provider of consumer and business networking products, introduced highly affordable [WiFi 6 Routers](#), [Mesh WiFi Systems](#), [WiFi 6 Range Extenders](#), [Kasa Security Cameras](#), and [Kasa Smart Plugs](#) to select [Target](#) stores nationwide. TP-Link products provide advanced technology and give your home a smart upgrade. TP-Link is committed to delivering affordable solutions to meet increasing demands, now more than ever.

Shop the new line up of products at [Target](#).

<https://www.tp-link.com/us/press/news/19198/>.

46. The TP-Link entity associated with the Target sales channel is the Hong Kong entity that was founded in 1996.

About TP-Link

Founded in 1996, TP-Link is a global provider of reliable networking devices and accessories, involved in all aspects of everyday life. The company is consistently ranked as top provider of WLAN products, supplying distribution to more than 170 countries and serving hundreds of millions of people worldwide.

<https://www.tp-link.com/us/press/news/19198/>.

47. TP-Link's advertisement and promotion of the sale of its products at Target is directly linked to its Hong Kong entity founded in 1996 and not its US affiliate (TP-Link USA Corporation). TP-Link's affiliate US entity was not founded until 2008.

48. TP-Link directs Texas customers to purchase TP-link products at physical store locations in Texas. For example, TP-Link links to the Target website (i.e., referring website) which sells the TP-Link Wi-Fi Kasa Spot Pan Tilt 2k Security Camera (an accused product) in Texas and provides for pickup.

target.com/s?sortBy=relevance&searchTerm=tp-link&Nao=0&spchckoff=true&oo=y&lnk=snav_rd_tp_link&kw=r=y



Categories

Deals

What's New

Pickup & Delivery

tp-link



TP-Link Wi-Fi Kasa Spot Pan Tilt 2k Security Camera

TP-LINK

★★★★☆ 67

\$39.99 reg \$59.99

Sale

When purchased online

Free shipping*

*Exclusions Apply.

In stock at Austin North

Ready within 2 hours with pickup

Add to cart



TP-Link AX1800 Mesh Dual Band Range Extender - RE605X

TP-LINK

★★★★☆ 73

\$99.99

When purchased online

Free shipping*

*Exclusions Apply.

Limited stock at Austin North

Add to cart



Head to Austin SW

Look for the Order Pickup counter. Just a reminder to follow any local guidance around wearing a face covering or mask and social distancing. Can't make it by Saturday? Just extend the pickup window below.

Austin SW Target Store

5300 S Mo Pac Expy, Austin, TX
78749-1112

[Check store hours](#)

Extend pickup



Show us your barcode or ID

We can find your order with either a valid ID or your pickup barcode in [order details](#). You can delegate pickup to someone else below — they'll just need a valid ID at pickup.

Item picked up



TP-Link Wi-Fi Kasa Spot Pan Tilt 2k Security Camera

Qty: 1

https://www.target.com/s?sortBy=relevance&searchTerm=tp-link&Nao=0&splchkoff=true&oo=y&lnk=snav_rd_tp_link&kwr=y

49. TP-Link has sold accused TP-Link products to customers in Texas and this district (e.g., Kasa Spot Pan Tilt 24/7 Recording camera).

TP-Link Maintains Established Channels for Providing Pre- and Post-Sale Advice to Customers in Texas

50. TP-Link provides technical support to users of its products (including applications) in Texas through its website, available at www.tp-link.com, and its live chat and live agent support.

/smart/

tp-link
Smart Home

Live Agent Community Support

Welcome to TP

2022-11-30 08:02:44

Hi, I'm Link your virtual assistant. How may I be of service?
Please simplify your questions so that I can understand you well.
Enter key words or phrases like 'install HS100' or 'firmware upgrade'.

For human service, please click "Live Agent" to chat with us and kindly note that:

1. System will hold on for 3 minutes, if you close the chat page by accident; reopen the chat window in time can continue to chat with our live agent.
2. Chat conversations will auto close if we haven't received your reply for 8 minutes.

Would you like to discuss one of the follow?

Enter keywords or phrases of your question like 'how to change password'

Close Send

Hot Services Top Asked

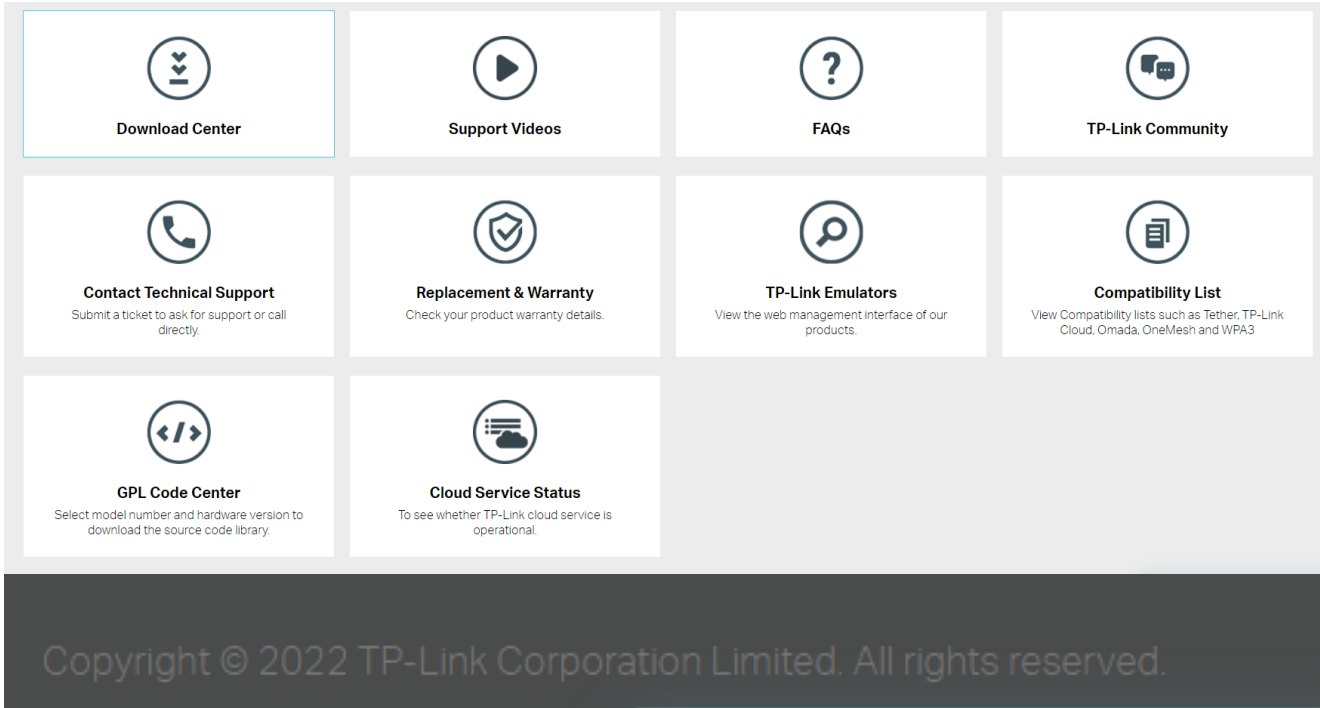
- Where to buy
- Warranty policy
- Warranty Support
- Product Registration
- Setup Videos
- Download Center

Notes:

1. System will hold on for 3 minutes, if you close the chat page by accident; reopen the chat window in time can continue to chat with our live agent.
2. Chat conversations will auto close if we haven't received your reply for 8 minutes.
3. If the chat has been closed, you will need to click "Live Agent" button to re-enter the human service.

www.livechat.tp-link.com/us/smart/

51. TP-Link provides technical support to its customers on its website through its download center, support videos, FAQs, TP-Link Community, Contact Technical Support, Replacement and Warranty, TP-Link Emulators, Compatibility List, GPL Code Center, and Cloud Service Status tabs.



<https://www.tp-link.com/us/support/>

52. TP-Link provides contact information for users in Texas to access Technical Support for their home and business products.

upport/contact-technical-support/#LiveChat-Support

Contact Technical Support

Home Product Support Business Product Support

Please use the information below for support with consumer products, such as **wireless routers, range extenders, Powerline adapters, unmanaged switches (non-PoE), network adapters and smart home products.**

Knowledge Base **Live Support** Email Support Warranty

Live Chat Support

Welcome to TP-Link 24 hours Live Chat support for Home Products. Please choose your product type to start.

Don't know the product type?

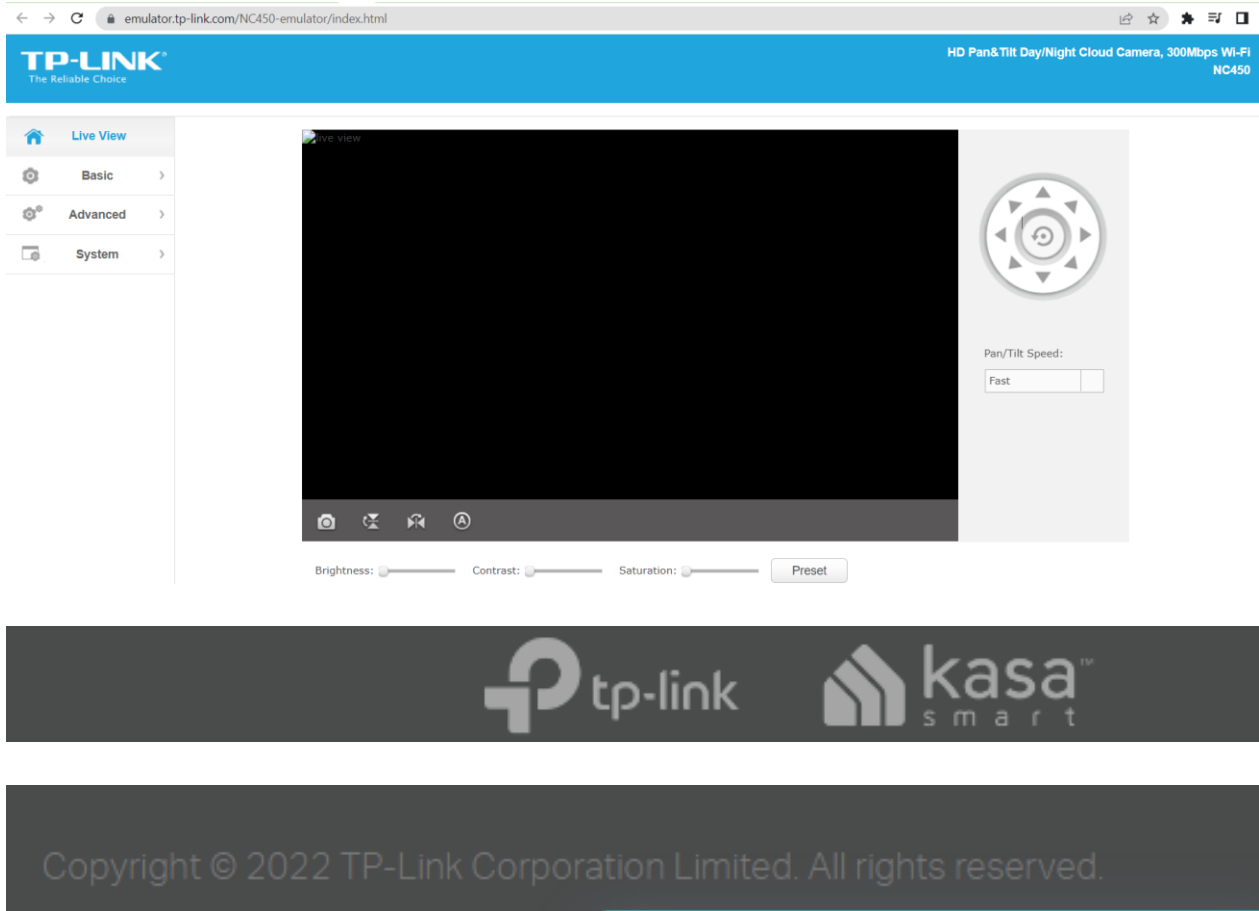
- Whole-Home Wi-Fi**
Deco
- Routers**
Wi-Fi Routers
Archer A/AX Series
Archer C Series
TL-WR Series
- Powerline**
TL-PA Series
TL-WPA Series
- Range Extenders and Access Points**
RE Series
AP Series
TL-WA Series
- Cable Modems and Cable Gateways**
TC Series
CR Series
- Smart Home**
Smart Bulbs
Smart Lighting&Strip
Smart Plugs
Smart Switches
Smart Cameras
Smart Doorbell
More

tp-link kasa smart

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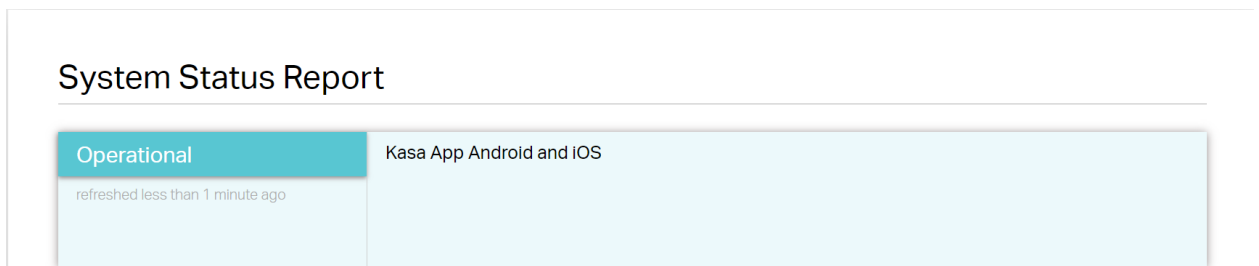
<https://www.tp-link.com/us/support/>; and <https://www.tp-link.com/us/support/contact-technical-support/#LiveChat-Support>.

53. TP-Link provides technical support to U.S. customers through access to TP-Link emulators for the Accused Products (e.g., NC450) on TP-Link's support page. TP-Link allows users to experience the TP-Link product management panel through these emulators for the Accused Products.



<https://www.tp-link.com/us/support/emulator/>; and <https://emulator.tp-link.com/NC450-emulator/index.html>.

54. TP-Link provides its customers status information about its systems including the TP-Link Kasa App on TP-Link’s technical support website.



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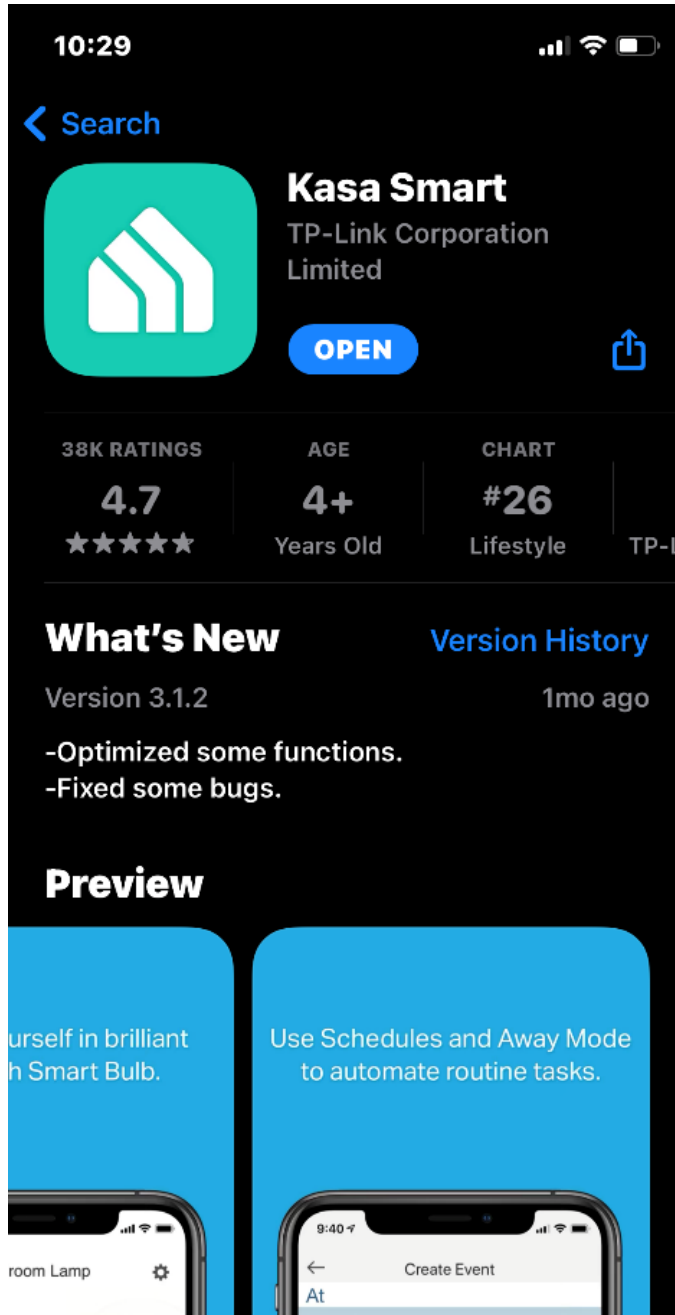
<https://www.tp-link.com/us/support/cloud-service-status/>

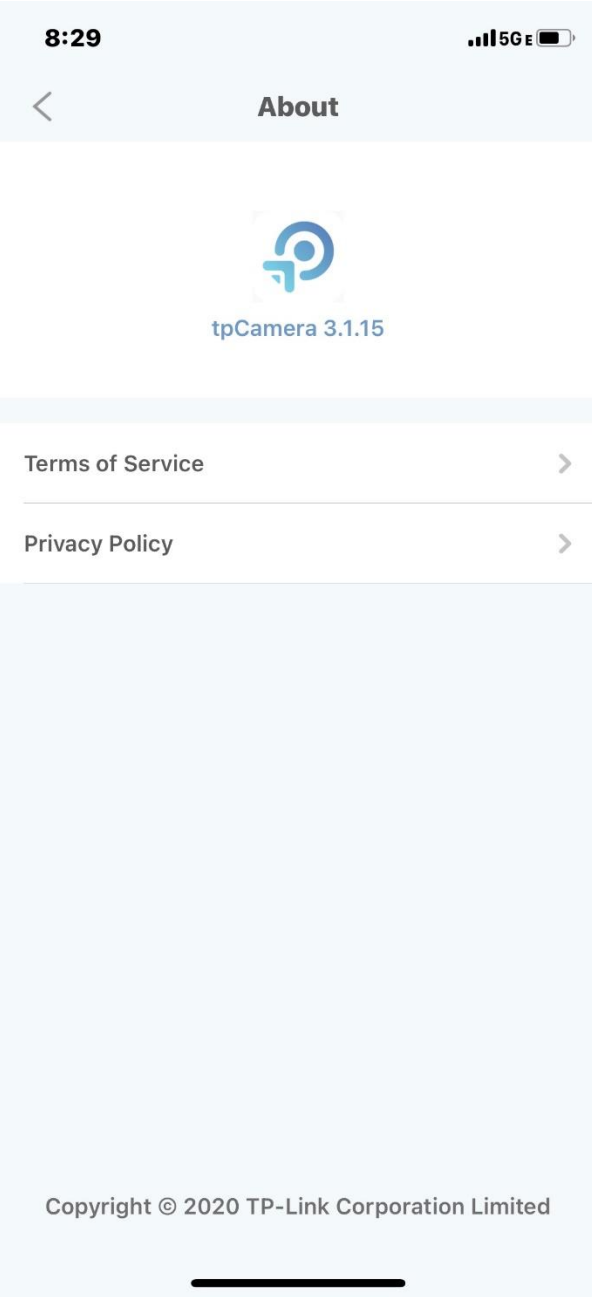
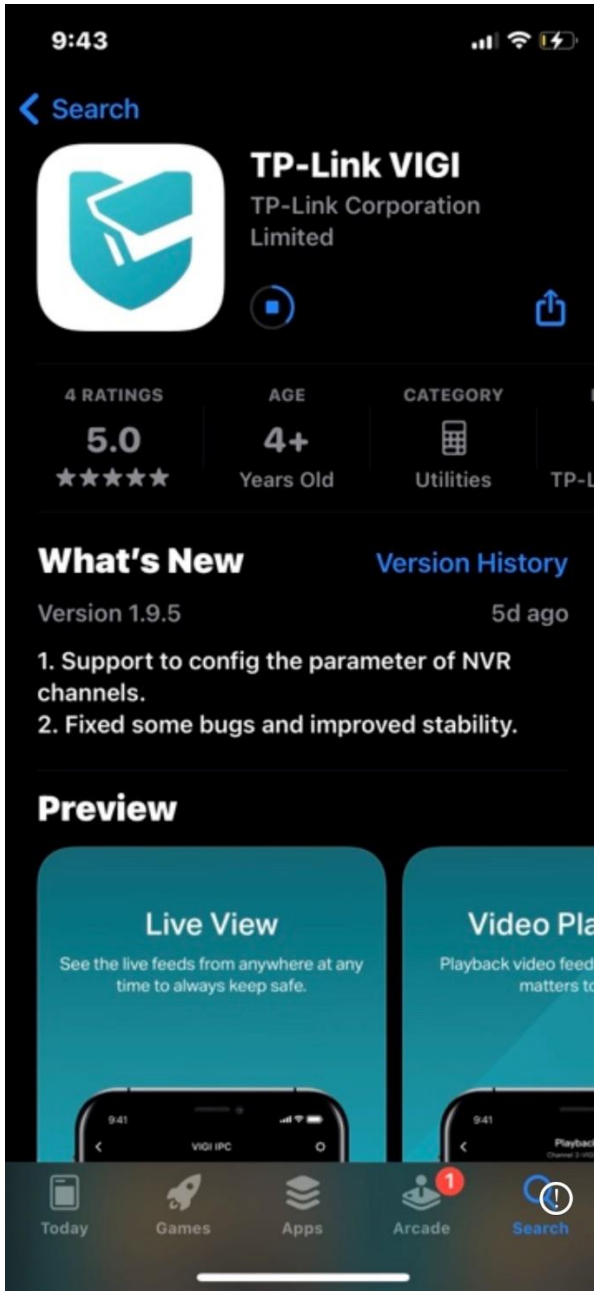
TP-Link Markets and Distributes its Mobile Applications to Residents of Texas

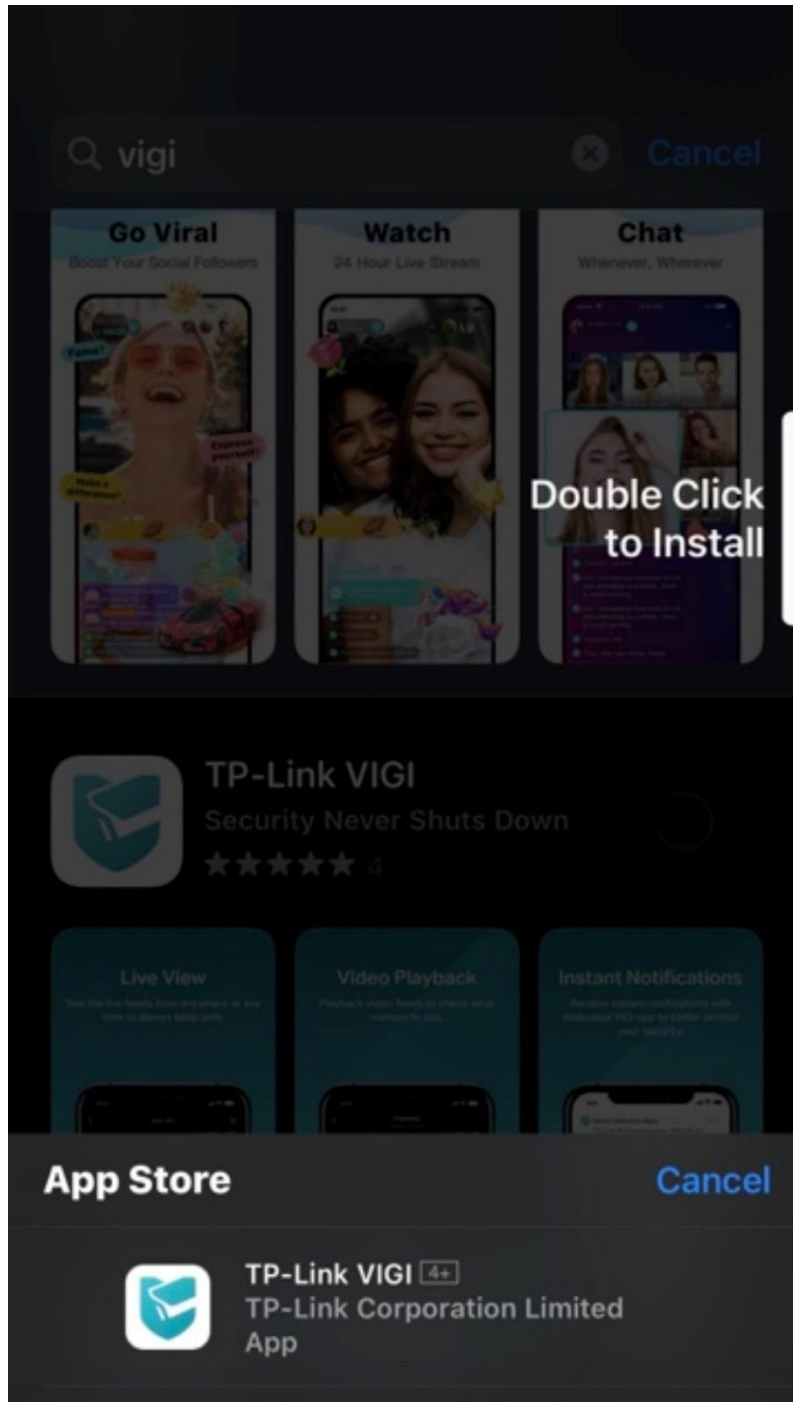
55. TP-Link makes, distributes, develops, and operates application software, such as the TP-Link-branded Kasa app, Kasa Smart app, Tapo app, tpCamera app, and Vigi app, making them available to residents in Texas and in this district for download and use in connection with TP-Link products including cameras, Wi-Fi routers, controllers, and other devices.

56. The TP-Link applications are available via digital distribution platforms operated by Apple and Google.

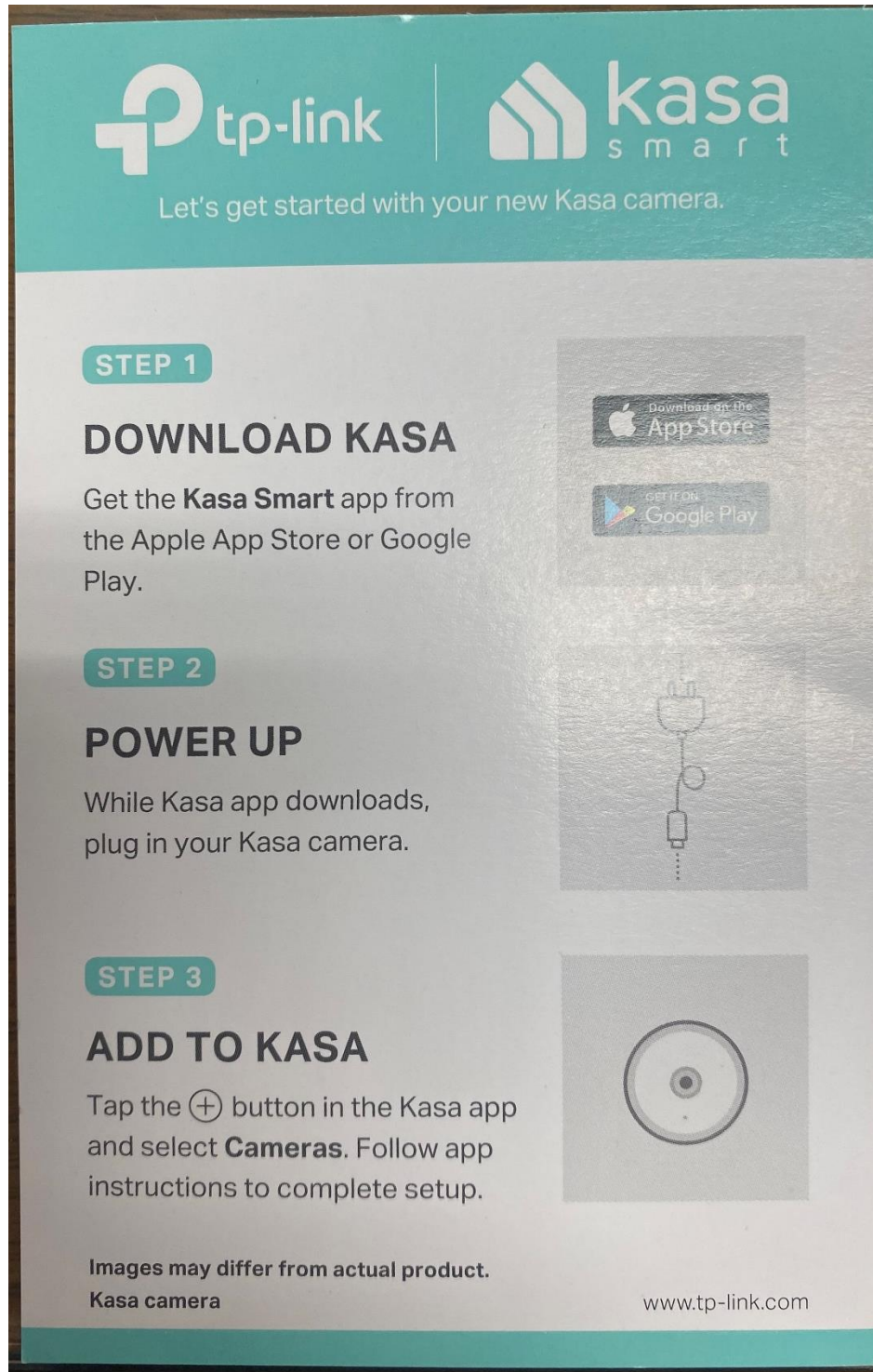
57. TP-Link is the developer of the TP-Link application and TP-Link directs customers in the United States, in Texas, and in this district to download its applications for use with TP-Link products.







58. TP-Link instructs customers in Texas and in this district to use the TP-Link applications with its TP-Link products. TP-Link includes such instructions in the product packaging of its products that are sold in Texas and this district.



TP-Link Contracts with Texas Residents and Compiles Data Through the TP-Link Mobile Applications

59. TP-Link requires end users (including those in Texas and in this

district) to enter a contract with TP-Link governing and permitting access and use of the TP-Link mobile applications.

60. TP-Link requires end users to create an account (e.g., tpCamera Account) through a registration process in TP-Link’s app. After registration, TP-Link “opens a[n] [] Account for Customer. This gives rise to this agreement between Customer and TP-Link.” tpCamera Terms of Service § 3.3.

Terms of Service



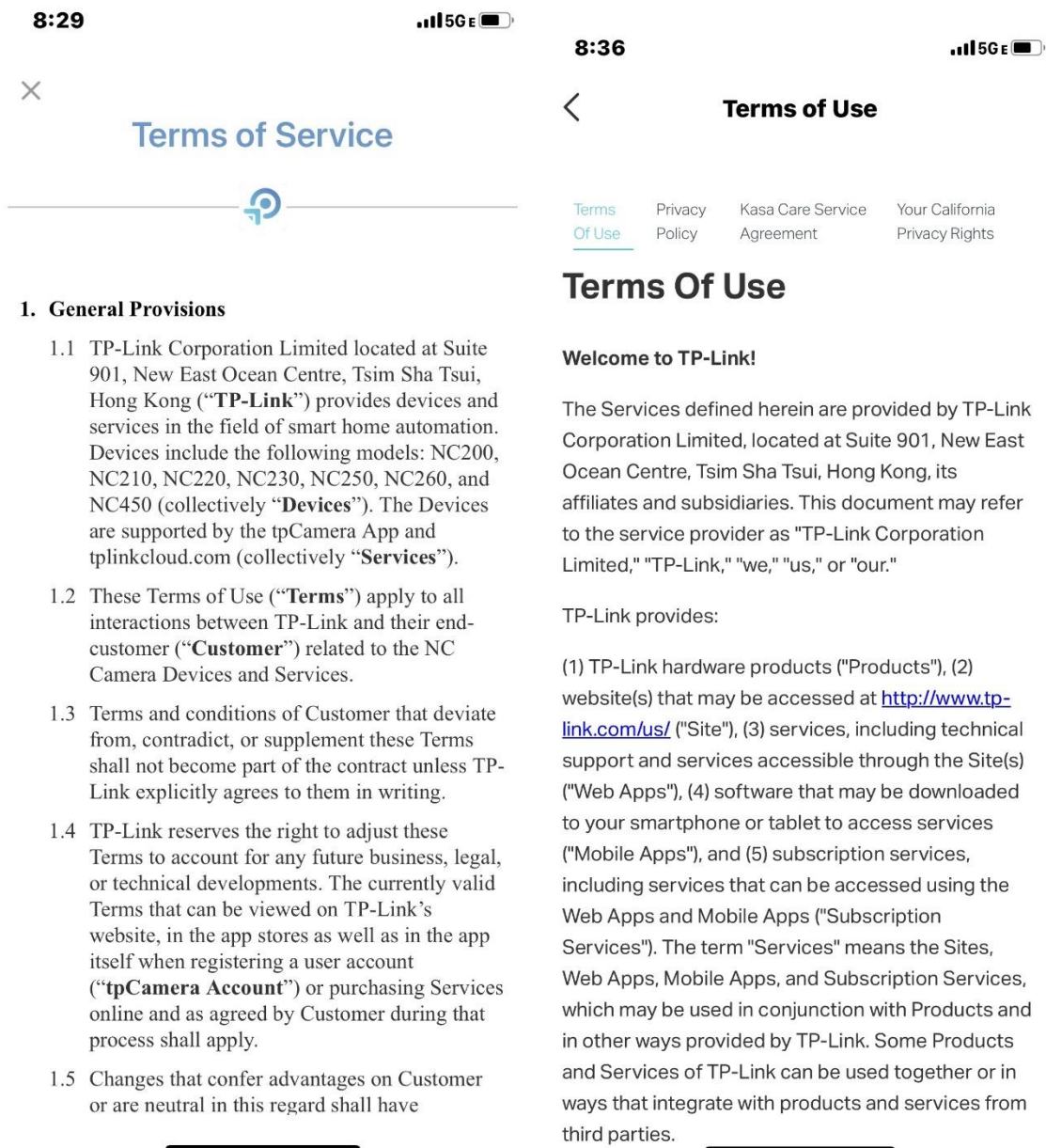
3. Registration of a tpCamera Account

- 3.1 Customer may open a tpCamera Account by performing a registration process in TP-Link’s app, which involves correctly entering all requested data in a form, agreeing to these Terms and clicking the “*Sign Up*” button, clicking the confirmation link in the e-mail sent by TP-Link, and defining a password in accordance with TP-Link’s instructions.
- 3.2 Customer can check his/her entries at any time during the registration process and correct any mistakes right in the corresponding fields.
- 3.3 After registration has been completed, TP-Link opens a tpCamera Account for Customer. This gives rise to this agreement between Customer and TP-Link. It is not necessary to explicitly inform Customer of this fact.

61. TP-Link requires its customers in the United States, Texas, and in this

district to agree to TP-Link's terms and conditions prior to use of the TP-Link apps (e.g., Kasa app, Kasa Smart app, Tapo app, tpCamera app, or TP-Link Vigi app).

62. TP-Link requires its customers in the United States, in Texas, and in this district to enter a contract with TP-Link to use the TP-Link applications and TP-Link identifies its Hong Kong address in each contract.



8:38

5G

**Terms of Use****TERMS OF USE****Welcome to TP-Link!**

The Services defined herein are provided by TP-Link Corporation Limited., located at Suite 901, New East Ocean Centre, Tsim Sha Tsui, Hong Kong, its affiliates and subsidiaries. This document may refer to the service provider as "TP-Link Corporation Limited.," "TP-Link," "we," "us," or "our."

TP-Link provides:

(1) TP-Link hardware products ("Products"), (2) website(s) that may be accessed at <https://www.tp-link.com/us/> and www.kasasmart.com ("Sites") and <https://www.tapo.com/us/>, (3) services, including technical support and services accessible through the Site(s) ("Web Apps"), (4) software that may be downloaded to your smartphone or tablet to access services ("Mobile Apps"), and (5) subscription services, including services that can be accessed using the Web Apps and Mobile Apps ("Subscription Services"). The term "Services" means the Sites, Web Apps, Mobile Apps, and Subscription Services, which may be used in conjunction with Products and in other ways provided by TP-Link. Some Products and Services of TP-Link can be used together or in ways that integrate with products and services from third parties.

These are the rules and restrictions that govern your use of our Products and Services. Please read these

63. TP-Link specifies that the terms of the contract between end users and TP-Link cannot be changed if such changes violate "the principles of good faith." tpCamera Terms of Service § 1.6.

Terms of Service



- 1.6 If changes concern the object of the contract, TP-Link may implement them only if they are reasonable for Customer while taking TP-Link's interests into account. In particular, changes shall be deemed reasonable for Customer, if they remain within the bounds of what is usual practice on the provision of such Devices or Services and do not discriminate against Customer in violation of the principles of good faith.

TP-Link Configures Products for Operation in the United States

64. TP-Link specifically configures its products for US operation.

65. Only 11 of the 13 available Wi-Fi channels are permitted in the United States. Channels 12 and 13 are permitted in certain other countries but not in the U.S. Before selling products in the United States, TP-Link certifies to the FCC that the accused products only operate in channels 1-11.

<https://fccid.io/2AXJ4C200V2/Letter/14-Wi-Fi-Channel-12-and-13-Declaration-Letter-5671045>.

TP-Link Corporation Limited

Wi-Fi Channel 12 and 13 Declaration Letter

Date: 2022-01-25

We, the undersigned company

Company Name: TP-Link Corporation Limited

Address: Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hong Kong

Declare that:

Product description: Pan/Tilt Home Security Wi-Fi Camera

Type designation: Tapo C200

Brand: tp-link, tapo

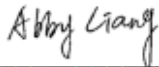
FCC ID: 2AXJ4C200V2

Only channels 1~11 will be used in USA. Country code selection is disabled.

If you have any questions regarding the authorization, please do not hesitate to contact us, thank you~

Sincerely,

Signature: _____



Name: Abby Liang

Tel: 00852-37585503

Email: certification@tp-link.com

<https://fccid.io/2AXJ4C200V2/Letter/14-Wi-Fi-Channel-12-and-13-Declaration-Letter-5671045>

TP-Link Purposefully Directs Sales Activities to Residents of Texas Through Advertising

66. TP-Link markets its products on its website to U.S. consumers. See

www.tp-link.com/us. TP-Link markets its products in the United States through social media.

67. TP-Link recruits “TP-Link Brand Ambassadors” as part of its “Power User” program. TP-Link’s Brand Ambassadors are consumers and users of TP-Link products recruited in the U.S. based on their social media presence and their use of TP-Link products. See <https://www.tp-link.com/us/brandambassador/>.

SMART HOME BUSINESS SERVICE PROVIDERS **HOT DEALS** COMMUNITY



TP-Link Brand Ambassador Program

<https://www.tp-link.com/us/brandambassador/>

68. TP-Link recruits Brand Ambassadors (i.e., “influencers”) and “team[s] up” with these Ambassadors to promote and market TP-Link products. See <https://www.tp-link.com/us/brandambassador/>. Ambassadors are compensated for promoting TP-Link products on social media and participating in marketing

campaigns, which ultimately, increases sales.

69. TP-Link Brand Ambassadors post content on social media (including unboxing videos) to promote TP-Link products.





<https://www.instagram.com/p/B1q1G3KHa-9/?hl=en>; and

<https://www.instagram.com/p/CLfswyCH70z/?hl=en>.

70. TP-Link marketed its products in the United States at the CES convention in 2022. See <https://www.tp-link.com/us/press/news/19853/>.

TP-Link Registered U.S. Trademarks Used to Promote Products in Texas and Throughout the United States

71. TP-Link has registered trademarks in the United States, including trademarks used with the accused products (e.g., TP-Link Vigi). TP-Link is listed as the owner.

TSDR

ASSIGN Status

TTAB Status

(Use the "Back" button of the Internet Browser to return to TESS)

TP-LINK

<https://tmsearch.uspto.gov/bin/showfield?f=doc&state=4810:aauhr.2.3>

TSDR

ASSIGN Status

TTAB Status

(Use the "Back" button of the Internet Browser to return to TESS)



<https://tmsearch.uspto.gov/bin/showfield?f=doc&state=4810:aauhr.2.1>

72. To obtain a trademark, TP-Link had to declare that the mark is used in commerce in the United States.

TP-Link's Activities Directed into Texas and this District Give Rise to MPV's Claims

73. MPV's claim for infringement arise out of or relates to TP-Link's activities in Texas and this district.

74. TP-Link's websites, mobile applications, affiliates, related entities, distributors, and retailers (including retailer physical stores) make up TP-Link's intertwined omnichannel sales strategy for the sale of TP-Link products in the United States, Texas, and this district.

75. Through the TP-Link website, mobile applications, and distributor/retailer physical stores, TP-Link intends to and has served Texas

residents and has increased sales in Texas and this district.

76. TP-Link's marketing and sales strategy is intentional and designed to increase sales of TP-Link products (including products accused of infringement) in Texas and this district.

77. TP-Link has not opted to limit the distribution of its products or services to exclude Texas residents nor has TP-Link changed or sought to change the functionality of its products and applications to operate in a non-infringing way in Texas or this district.

78. TP-Link has taken no action to limit its advertisement or sales in Texas. TP-Link has not refused to sell or ship its products to Texas customers or blocked access to TP-Link applications for Texas customers.

79. TP-Link alone, and in concert with its affiliates, distributors, retailers, and related entities has purposefully directed its activities at Texas and should reasonably anticipate being named as a defendant in this Court on this basis.

80. This Court has personal jurisdiction over TP-Link, directly and/or through the activities of TP-Link's intermediaries, affiliates, distributors, retailers, importers, and related entities. Through its own conduct and through direction and control of these entities, TP-Link has committed acts of direct and/or indirect patent infringement within Texas, and elsewhere within the United States, giving rise to this action and/or has established minimum contacts with Texas such that

personal jurisdiction over TP-Link would not offend traditional notions of fair play and substantial justice.

TP-Link is Subject to Personal Jurisdiction in this Court Under Federal Rule of Civil Procedure 4(k)(2)

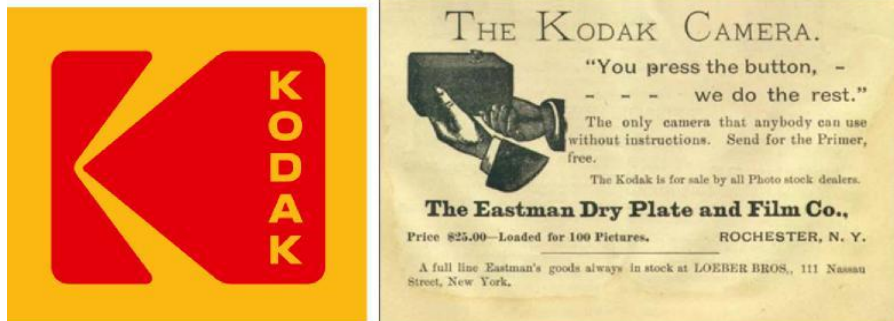
81. In the alternative, the Court has personal jurisdiction over TP-Link under Federal Rule of Civil Procedure 4(k)(2), because the claims for patent infringement in this action arise under federal law; TP-Link is not subject to the jurisdiction of the courts of general jurisdiction of any state; and exercising jurisdiction over TP-Link comports with due process under the U.S. Constitution.

MONUMENT PEAK VENTURES

82. MPV owns a portfolio of patents invented by the Eastman Kodak Company. Since acquiring the Kodak portfolio, MPV has promoted adoption of technologies claimed in the Kodak portfolio and has entered into license agreements with over forty companies.

83. The Asserted Patents claim inventions born from the ingenuity of the Eastman Kodak Company, an iconic American imaging technology company that dates back to the late 1800s.

84. The first model of a Kodak camera was released in 1888.



85. In 1935, Kodak introduced “Kodachrome,” a color reversal stock for movie and slide film.

86. In 1963, Kodak introduced the Instamatic camera, an easy-to-load point-and-shoot camera.



87. By 1976, Kodak was responsible for 90% of the photographic film and 85% of the cameras sold in the United States.

88. At the peak of its domination of the camera industry, Kodak invented the first self-contained digital camera in 1975.



89. By 1986, Kodak had created the first megapixel sensor that was capable of recording 1,400,000 pixels.

90. While innovating in the digital imaging space, Kodak developed an immense patent portfolio and extensively licensed its technology in the space.

91. In 2010, Kodak received \$838,000,000 in patent licensing revenue.

92. As part of a reorganization of its business, Kodak sold many of its patents to some of the biggest names in technology that included Google, Facebook, Amazon, Microsoft, Samsung, Adobe Systems, HTC and others for \$525,000,000.

93. While scores of digital imaging companies have paid to license the Kodak patent portfolio owned by MPV, TP-Link, without justification, has refused

to do so.

NATURE OF THE ACTION

94. MPV asserts that TP-Link infringes, directly and indirectly, certain claims of U.S. Patent Nos. 8,665,345, 8,305,452, 7,483,061, 8,842,155, and 7,106,333 (the “MPV Asserted Patents”).

95. U.S. Patent No. 8,665,345 (the “345 Patent”) is titled “Video Summary Including a Feature of Interest.”

96. U.S. Patent No. 8,305,452 (the “452 Patent”) is titled “Remote Determination of Image-Acquisition Settings and Opportunities.”

97. U.S. Patent No. 7,483,061 (the “061 Patent”) is titled “Image and Audio Capture with Mode Selection.”

98. U.S. Patent No. 8,842,155 (the “155 Patent”) is titled “Portable Video Communication System.”

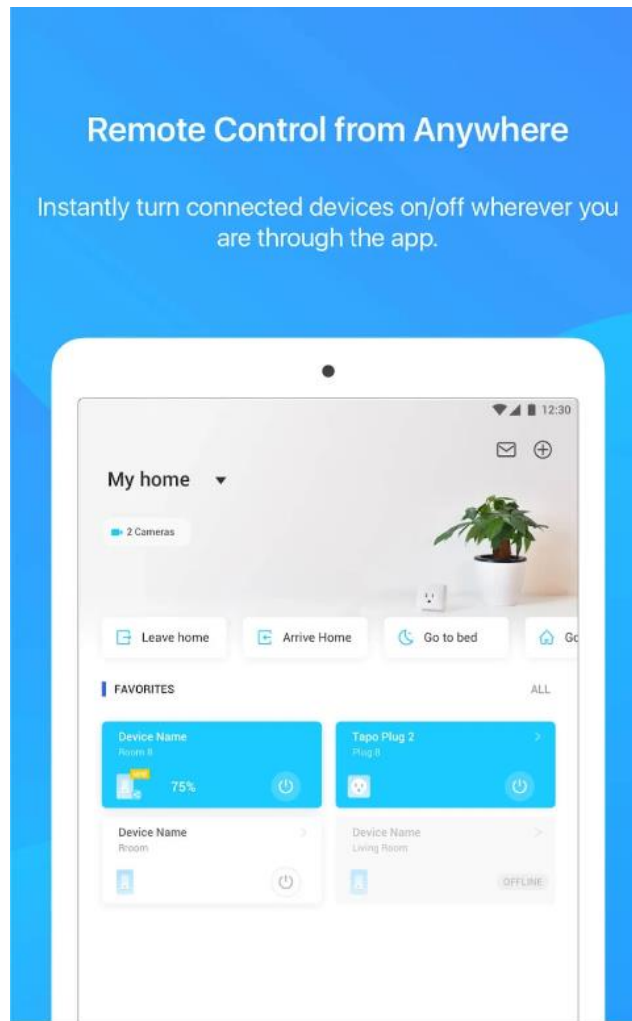
99. U.S. Patent No. 7,106,333 (the “333 Patent”) is titled Surveillance System.”



100. TP-Link is a global provider of reliable smart home devices and cloud-based solutions that are involved in all aspects of everyday life. TP-Link

provides products and solutions including mobile application software and applications that enable customers to monitor their properties, view video, control lighting, and remotely access devices.

101. TP-Link's smart home products include app-enabled solutions for remote control from anywhere.

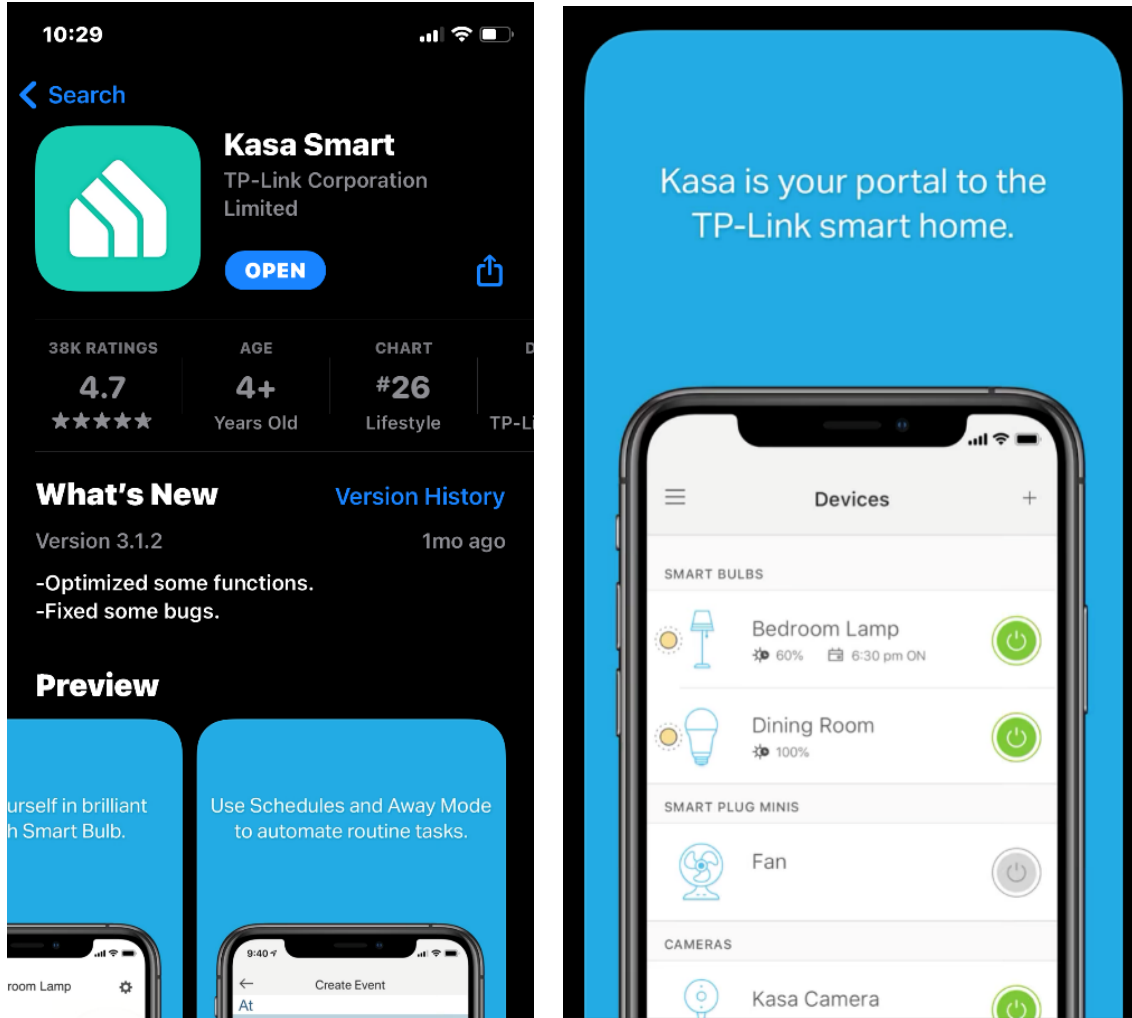


https://play.google.com/store/apps/details?id=com.tplink.iot&hl=en_US&gl=US

102. TP-Link's smart home ecosystem includes a range of security cameras that can be accessed and controlled with the TP-Link branded apps (e.g., Kasa

Smart mobile app, Tapo app, tpCamera app, and Vigi app) and websites.

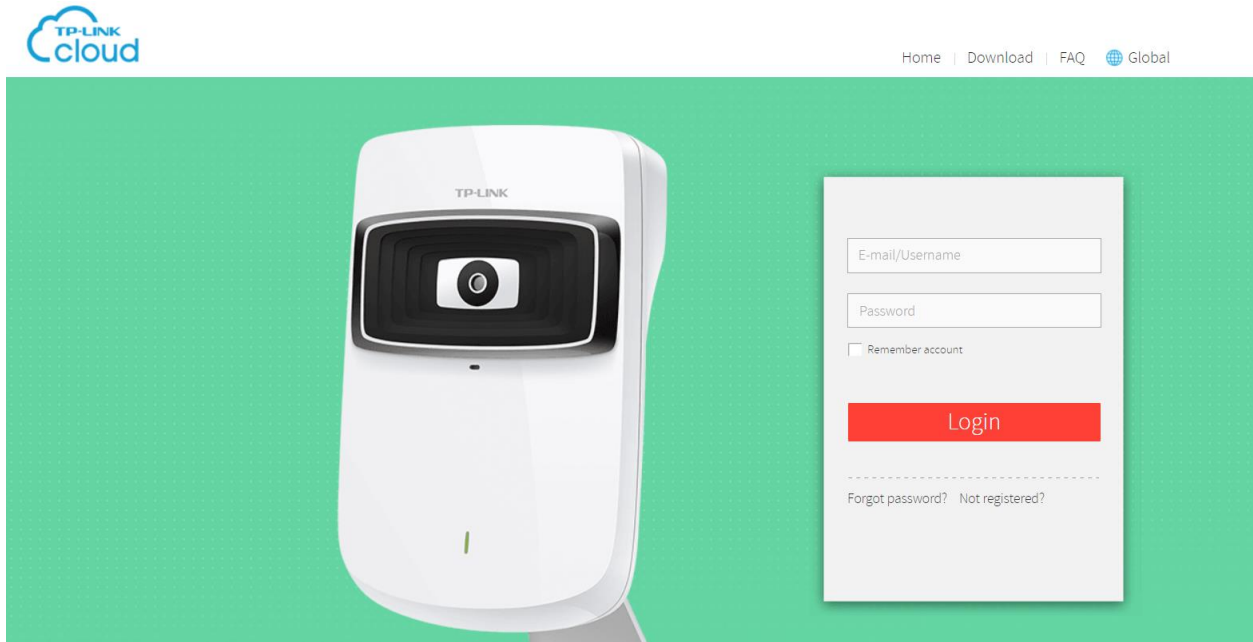
103. TP-Link is the developer of the TP-Link apps.



See TP-Link Kasa mobile application.

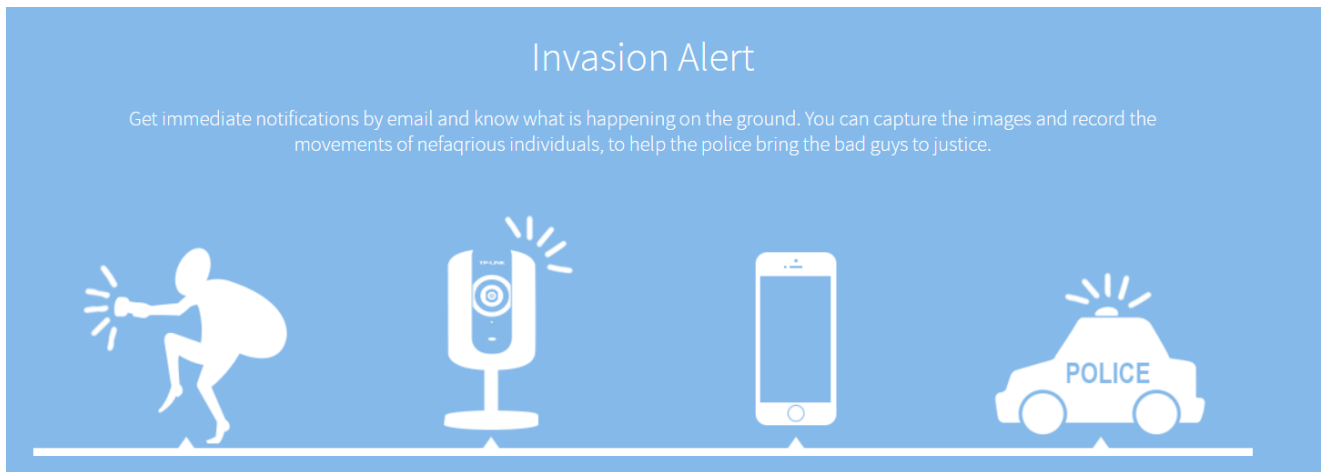
104. TP-Link advertises its app as a the “portal to the TP-Link smart home.” See Kasa Smart Home mobile application.

105. The TP-Link mobile apps and websites enable seamless control of all TP-Link smart home devices. The TP-Link mobile apps provide a live view and instantly provide alerts whenever motion or sound is detected.



<https://www.tplinkcloud.com/>

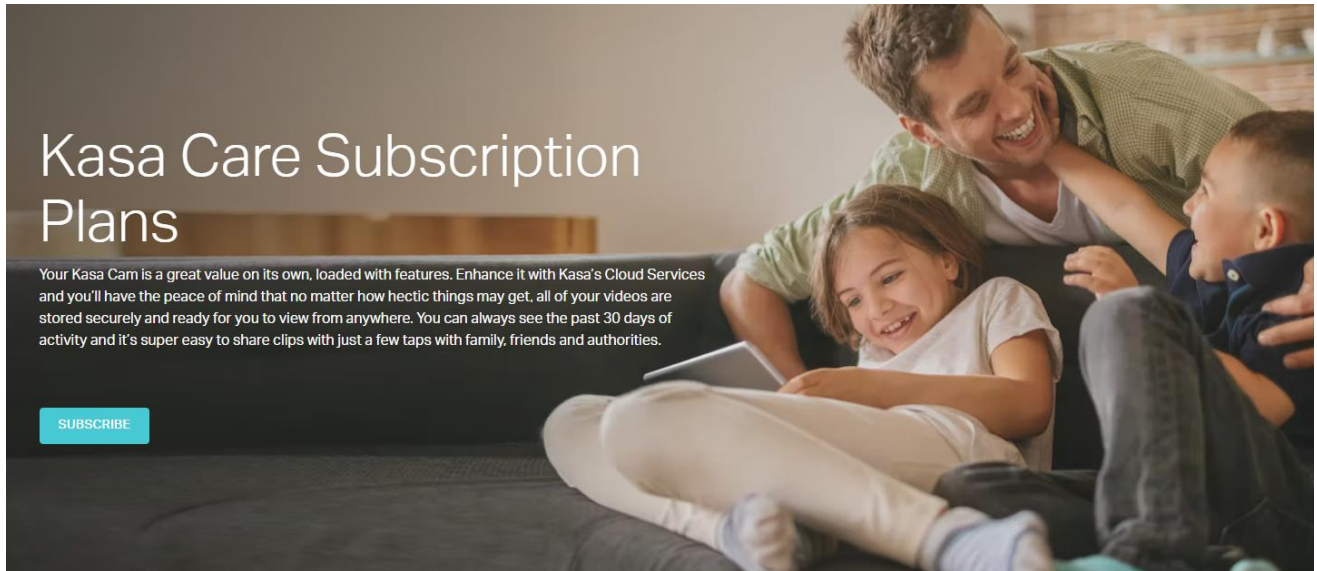
106. TP-Link provides notifications based upon predetermined criteria (e.g., movements of individuals).



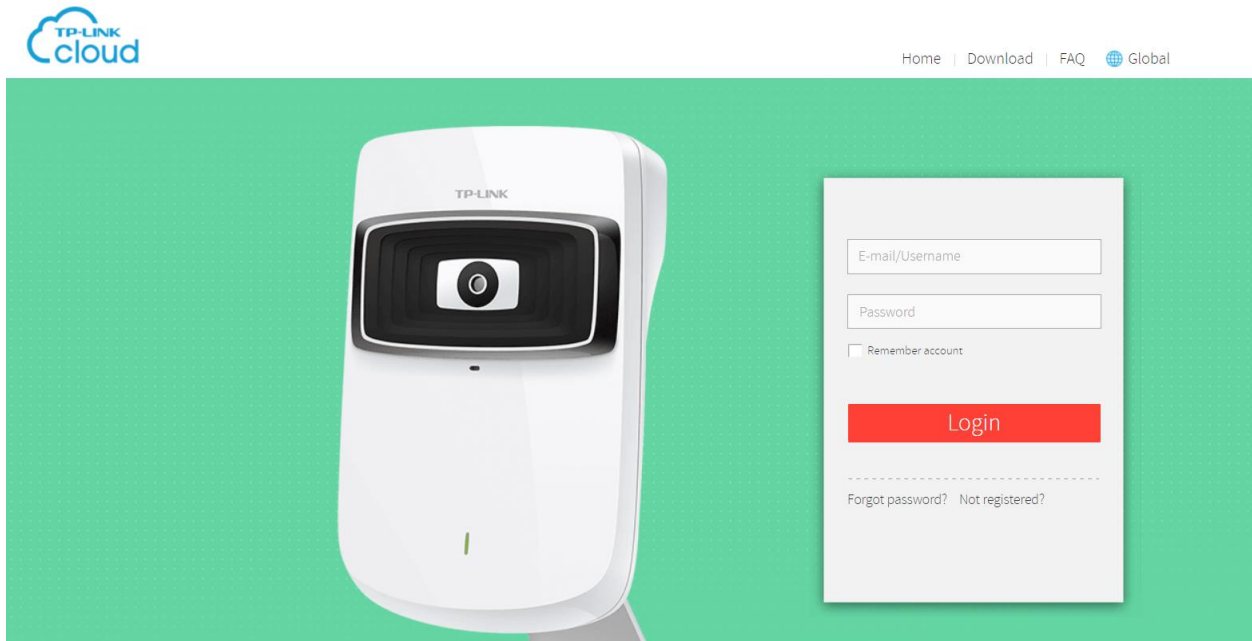
<https://www.tplinkcloud.com/>

107. TP-Link provides a fully integrated solution for consumers which includes hardware, software, sales, and support.

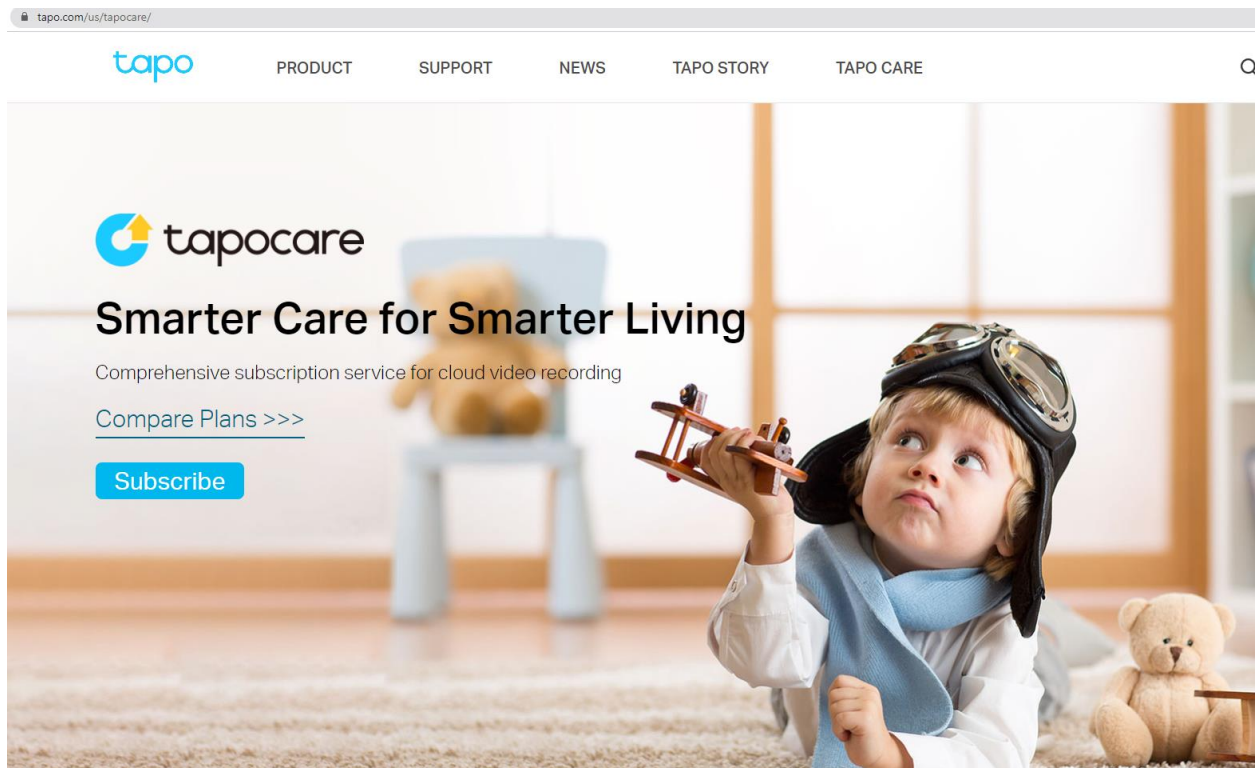
108. TP-Link integrates smart cameras (indoor, outdoor, doorbell) to its cloud-based platform.



<https://www.kasasmart.com/us/kasacare>



<https://www.tplinkcloud.com/>



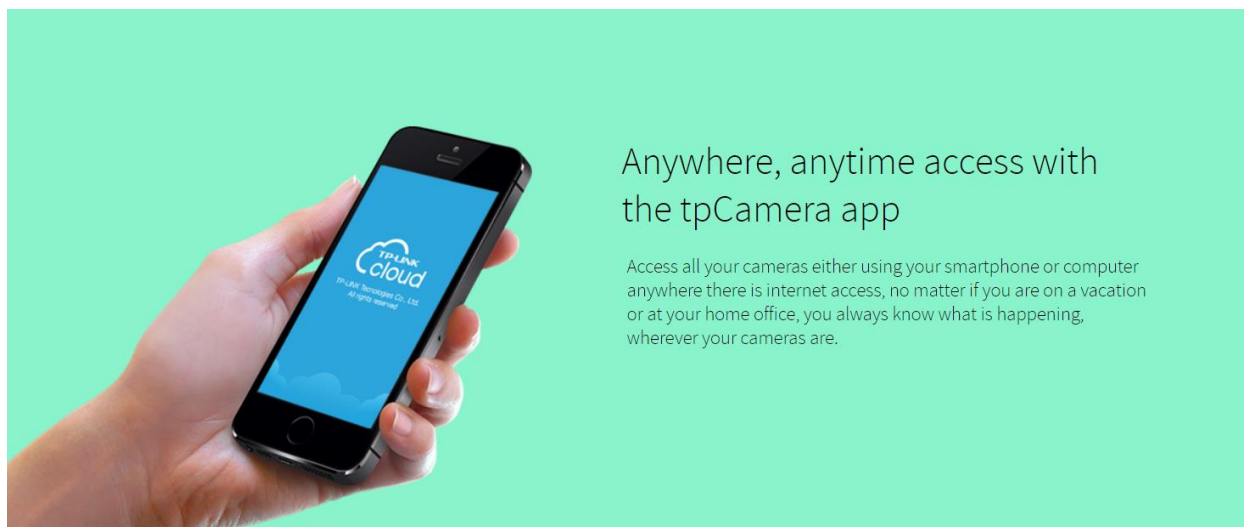
<https://www.tapo.com/us/tapocare/>

109. TP-Link sells subscription services for cloud video recording (e.g., Tapocare and Kasa Care).

110. TP-Link cameras are remotely accessible.

Watch all of your cameras at once

Users can watch all of their TP-LINK Cloud Cameras at once, by placing TP-LINK Cloud Cameras in several locations, removing the need for a physical presence, while conveniently providing a means by which to monitor the entire premises.

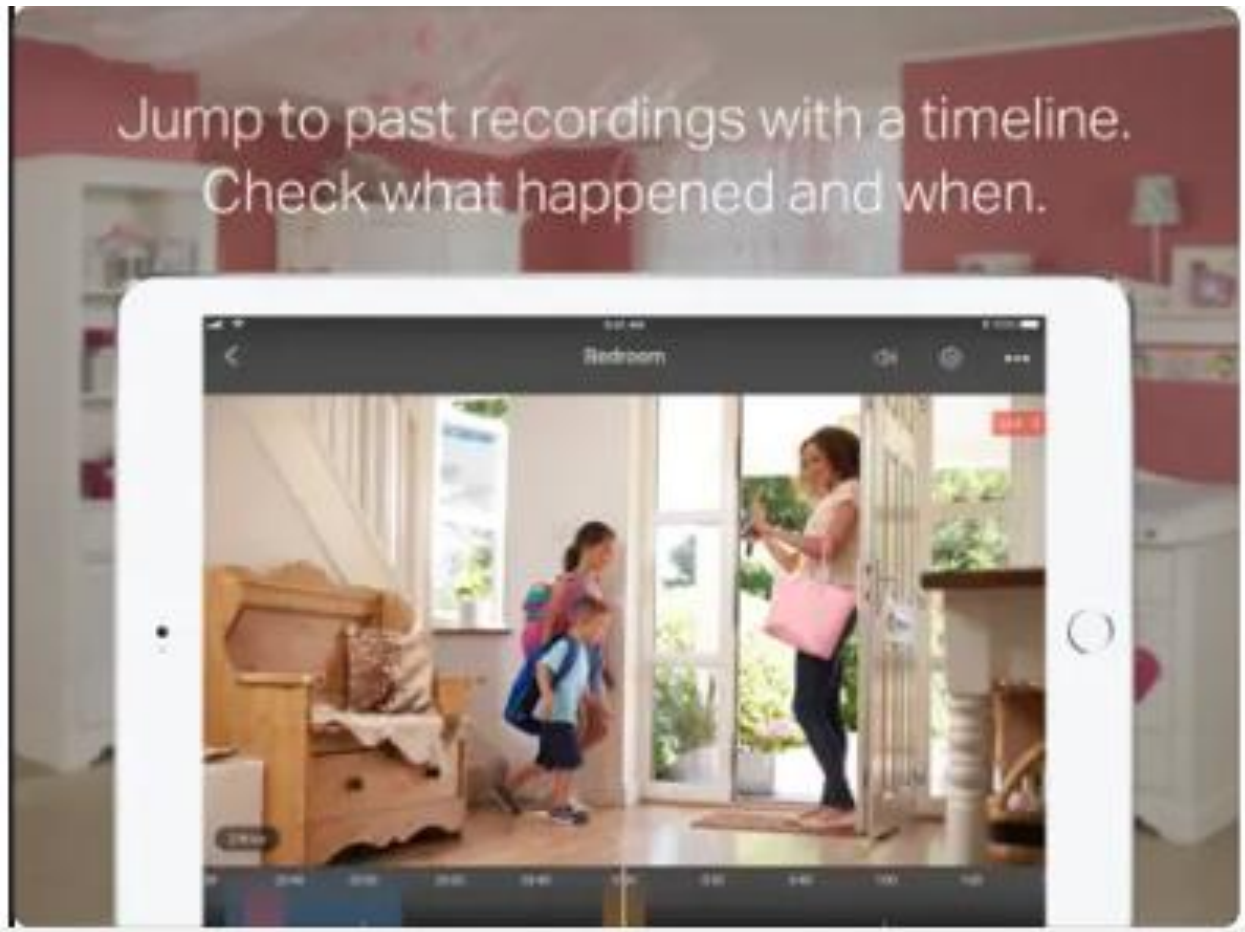


Anywhere, anytime access with the tpCamera app

Access all your cameras either using your smartphone or computer anywhere there is internet access, no matter if you are on a vacation or at your home office, you always know what is happening, wherever your cameras are.

<https://www.tplinkcloud.com/>

111. TP-Link's apps allow users to view recordings.



112. TP-Link makes, uses, offers to sell, sells, and/or imports products including indoor, outdoor and doorbell cameras including but not limited to the Tapo C420S2, Tapo C210, Tapo C200, Tapo C110, Tapo C310, Tapo C320WS, KD110, KC420WS, EC60, EC70, KC400, KC410S, KC115, KC401, KC411S, KC120, NC200, NC210, NC220, NC230, NC250, NC260, NC450, TP-Link Kasa Spot Camera, TP-Link Kasa Cam Network, TP-Link Kasa Spot Indoor Camera, TP-Link TC70, TP-Link Kasa Cam Outdoor, TP-Link Kasa Spot KC105, TP-Link C400HP, TP-Link Day/Night Cloud Camera, TL-NC450, IP Camera TP-Link, TP-Link Wi-Fi Kasa Spot Pan Tilt, TP-Link Kasa Indoor Pan/Tilt, TP-Link KC120

Kasa Camera, TP-Link Vigi C300HP, Kasa Smart by TP-Link Pan Tilt, TP-Link TL-Sc3430, TP-Link 3MP Turret Network Cameras, TP-Link 360 Surveillance Cameras, TP-Link compatible cameras, and all other similar products (“TP-Link Camera Products”), applications available on both Android and iOS including the TP-Link branded Kasa app, Kasa Smart app, Tapo app, tpCamera app, Vigi app, TP-Link/Kasa websites and all other similar products which allow users to view playback features (“TP-Link App”), TP-Link video services, TP-Link software, platform and services, and any TP-Link video monitoring services and products (“Video”), sensors including door and window sensors including surface-mounted, recessed, motion sensors, smart contact sensors, and water sensors (e.g., Tapo T300, Smart Water Leak Sensor) and all other similar products (“Sensors”), and storage via the cloud (e.g., Kasa Care Subscription Plans), tapocare subscription service for cloud video recording, and TP-Link video recorders and all other similar products (“Storage”).

113. The TP-Link products and services accused in this case include the TP-Link Camera Products, Video, TP-Link App, Sensors, Video, and Storage and all other similar products.

114. TP-Link realizes substantial value from using the subject matter claimed in the Asserted Patents in products such as TP-Link Camera Products, Video, TP-Link App, Sensors, Video and Storage and all other similar products.

TP-Link's Knowledge of the Asserted Patents and Refusal to License

115. On or about March 23, 2022, MPV contacted TP-Link concerning its infringement and provided TP-Link information concerning the Kodak patent portfolio, including charts detailing their infringement of the '345, '452, '061, '155, and '333 Patents, and offering licensing opportunities.

116. TP-link has been nonresponsive.

117. Since those initial communications, TP-Link has continued to use, sell, offer for sale, and/or import into the United States its infringing products through the filing of this Complaint. TP-Link never responded.

118. With knowledge of MPV's patents and how MPV alleges TP-Link infringes them, TP-Link continued its infringing activity with knowledge of the Asserted Patents recklessly disregarding MPV's patent rights and intentionally ignoring MPV's requests to discuss licensing.

119. TP-Link's infringement has been ongoing, willful and in bad faith since being notified of MPV's patents and how TP-Link infringes them.

MPV's '345 PATENT

120. The Patent Office issued the '345 Patent on March 4, 2014, following a full and thorough examination of Application No. 13/110,085, filed on May 18, 2011.

121. Titled "Video Summary Including a Feature of Interest," the '345

Patent generally pertains to the improved formation of a digital video summary and more particularly is directed to solving the problems of providing a quick, readily sharable, and particularized summary of a digital video.

122. Back in May 2011, managing digital video content was a difficult task. One difficulty was facilitating a quick review and sharing of captured videos. Videos were often represented visually with a thumbnail image of the first frame of the video and thus did not necessarily provide much insight into the content of the video. Determining whether something specific was contained in a given video often required viewing the entire video which could be time consuming, especially for a lengthy video.

123. Managing digital videos presented practical problems too. For example, many digital capture devices recorded video at 30 or 60 frames per second at spatial resolutions of 1920 x 1080 pixels. Even when compressed, the amount of data generated for even a relatively short video could make it impractical to share.

124. Manually creating a tailored video summary to provide context for specific features within the summary (e.g., people, pets, events, locations, activities, or objects) was an undesirably tedious process.

125. Although video editing software could be used to manually summarize a video into a shorter version that could be shared more easily, this type

of editing was a lengthy and laborious process. Many users were not interested or skilled in manual editing, and complex summarization algorithms required decoding the video to perform the analysis required to make the video summary. Thus, it was not possible on a digital capture device to immediately view a video summary corresponding to a just-captured video. This shortcoming made it difficult to facilitate quick review and sharing of captured videos.

126. The state of the art at the time of the invention did not include using metadata generated in real time to construct a real-time video summary.

127. The '345 claims neither describe nor claim a concept or a generic computerized system. Instead, the claims address, among other things, a persistent problem unique to digital video cameras at the time of the invention: capturing videos created large video files that were difficult for camera users to use and manage.

128. The '345 Patent claims systems and methods for computing a video summary to automatically analyze image frames in a video sequence using a feature recognition algorithm and to identify a subset of the image frames that contain the feature or a desired characteristic. Then a video summary is formed including at least part of the identified subset of image frames containing the feature of interest and having the desired characteristic. Analyzing the video frames at the time of capture to determine a subset of video frames containing a

feature of interest eliminates the need to decompress the video data at the time the video summary is created and is a technical solution to a technical problem.

129. A person of ordinary skill in the art at the time of the invention would recognize that the steps and methods claimed by the '345 Patent were unconventional and would understand that the conventional ways of generating a video summary were time-consuming and tedious as well as not being easily sharable and not necessarily specifically reflective of specific content in the video.

130. The novel use and arrangement of the specific combination, steps, system, and devices recited in the '345 Patent were not well-understood, routine, or conventional to a person skilled in the relevant field at the time of the inventions. In particular, the combination of steps in at least claim 16 of the '345 Patent were not well understood, routine, or conventional to a person of skill in the relevant field at the time of the inventions.

131. For example, during prosecution of the '345 Patent, the patent examiner acknowledged that the primary prior art reference did not disclose “reference data separate from a reference in the captured video sequence” that is used to “form a video summary . . . containing the feature of interest.” The cited combination of references did not disclose, among other things, reference data including information specifying a “desired characteristic” of the image frames or a video summary including fewer than all of the image frames in the captured

video sequence, wherein the video summary includes at least part of the identified subset of image frames containing the feature of interest and having the “desired characteristic.”

132. Comparing the inventions claimed in the '345 Patent with the state of the art illustrates, in part, the unconventionality and inventiveness of the claimed inventions.

133. Features of the subject matter claimed in the '345 Patent claims mark inventive advantages over conventional prior art and overcame the shortcomings noted above. Thus, the novel use and arrangement of the specific combination, steps, system, and devices recited by the '345 Patent were not well-understood, routine, or conventional to a person skilled in the relevant field at the time of the inventions.

134. The '345 Patent claims systems and methods for computing a video summary that improved upon the prior art systems and methods, providing the advantages of allowing a relatively small video summary to be generated on a digital device with minimal delay at the completion of video capture and providing a particularized video summary that contains a specified desired characteristic of the image frames.

MPV's '452 PATENT

135. The Patent Office issued the '452 Patent on November 6, 2012.

136. The '452 Patent, titled "Remote Determination of Image-Acquisition Settings and Opportunities," generally relates to remote determination of image-acquisition settings for a digital camera using pre-image-acquisition information.

137. At the time of the invention, digital cameras relied upon users selecting a "scene mode" (e.g., a "snow," "portrait," or "backlit") setting on the camera to set certain image acquisition settings (e.g., gain, and exposure time). One method for improving the camera's image acquisition capabilities was to increase the number of "scene" options available to the user. But increasing the number of possible scene scenarios led to users being overwhelmed by the number of options, and difficult-to-navigate menus added to the problem of users finding the appropriate setting.

138. Attempts to automate image acquisition settings tended to be computationally intensive thus increasing the cost and energy consumption of the camera and/or causing a highly undesirable lag between shutter trip and image acquisition. Such lag is particularly undesirable when a subject to be photographed is in motion.

139. The '452 Patent provided a technical solution to address these problems, in part, by remotely obtaining pre-image-acquisition information such as audio information, illumination information, camera position information, camera orientation information, motion information, an announcement of the digital

camera's presence, temperature information, humidity information, ceiling detection information, distance-to-subject information, and spectral information.

140. This enables determination of image-acquisition settings where data-processing resources and available data sources exceed those within the digital camera.

141. A person of ordinary skill in the art at the time of the invention would recognize that the steps and methods claimed in the '452 Patent were unconventional and would understand that the conventional way of generating image-acquisition settings was excessively complex and/or caused undesirable lag.

142. The novel use and arrangement of the specific combination, steps, system, and devices recited in the '452 Patent were not well-understood, routine, or conventional to a person skilled in the relevant field at the time of the inventions. In particular, the combination of steps in at least Claim 1 of the '452 Patent was not well-understood, routine, or conventional to a person of skill in the relevant field at the time of the inventions.

143. Comparing the subject matter claimed in the '452 Patent with the conventional, state of the art systems at the time of the invention highlights the unconventionality and inventiveness of the inventions. The inventive features claimed in the '452 Patent mark significant advantages over the prior art and addressed the shortcoming noted above.

144. The systems and methods claimed in the '452 Patent for remote determination of image-acquisition settings improved upon the prior art and provided the advantages of allowing a relatively simpler and more cost-effective digital camera to be produced without undesirable lag between shutter trip and image acquisition.

MPV's '061 PATENT

145. The Patent Office issued the '061 Patent on January 27, 2009, following a full and thorough examination of Application No. 13/110,085, filed on May 18, 2011.

146. The '061 Patent, titled "Image and Audio Capture with Mode Selection," generally relates to the field of digital image processing and, more particularly, to still image picture enhancement by capturing audio signals during image capture and the use of captured audio signals.

147. At the time of the invention, some conventional digital cameras provided audio-capture capabilities enabled only when such cameras are operated in a video image capture mode. Other conventional digital cameras provided no audio-capture capability or provided only one mode of image and audio capture.

148. At the time of the invention, the state of the art included cameras with certain basic controls and displays including a means to start and stop recording and associate a specific recording with specific images and the means for sound

playback. The prior art included recording audio that was synchronized with taking a picture (starting or stopping at the point of image capture, or with image capture occurring at a predefined point during sound capture). However, the prior art did not provide an indication as to the means to start and stop recording as specified in the asserted claims of the '061 Patent or controls or means to establish recording features for audio capture.

149. At the time of the invention, there was a need in the art for an image capture device that is adapted to enable automatic audio capture in ways that are most useful for the nature and type of images being captured, particular image capture conditions, or particular uses for such audio signals.

150. The '061 Patent provided a technical solution to address these problems, in part, by providing for operating an image and audio capture system and detecting a selection between at least two modes of image capture; determining at least one audio capture characteristic for providing an electronic audio signal based upon sounds detected by the audio capture device (based upon the selected mode of image capture); capturing an image in accordance with the selected mode of image capture; providing an electronic audio signal based upon sounds detected in accordance with the determined audio characteristic; and associating the captured image and electronic audio signal.

151. A person of ordinary skill in the art at the time of the invention would

recognize that the steps and methods claimed in the '061 Patent were unconventional and would understand that the conventional way of generating the parameters for audio and image capture was based on starting or stopping at the point of image capture, or with image capture occurring at a predefined point during sound capture created large files did not provide the granularity necessary to create parameters for image and audio capture based upon sound detection and the selected mode of image and audio capture.

152. The novel use and arrangement of the specific combination, steps, system, and devices recited in the '061 Patent were not well-understood, routine, or conventional to a person skilled in the relevant field at the time of the inventions. In particular, the combination of steps in at least Claim 18 of the '061 Patent was not well-understood, routine, or conventional to a person of skill in the relevant field at the time of the inventions.

153. Comparing the subject matter claimed in the '061 Patent with the conventional, state of the art systems at the time of the invention highlights the unconventionality and inventiveness of the inventions. The inventive features claimed in the '061 Patent mark significant advantages over the prior art and addressed the shortcoming noted above.

154. The systems and methods claimed in the '061 Patent for image and audio capture improved upon the prior art and provided the advantage of

granularity in the timing of both audio and image captures, targeted captures of both audio and images based upon the type of mode of capture selected and based, in part, on the sounds detected.

MPV's '155 PATENT

155. The Patent Office issued the '155 Patent on September 23, 2014.

156. The '155 Patent, titled "Portable Video Communication System," generally relates to two-way video communication systems adapted to hand-held video communication devices.

157. In particular, the '155 Patent aims to provide an improved apparatus for video communication with a video system that provides improved video privacy and security including an apparatus and methods to restrict image capture for a displayed image where in certain cases it will be desirable not to record portions of the image captured at the recording site.

158. At the time the application leading to the '155 Patent was filed, two-way video systems could include a display and camera in each of two locations allowing for communication of video images and audio between two different sites. Such systems sometimes relied on a setup at each site with a video monitor to display a remote scene and a separate video camera located on or near the edge of the video monitor to capture a local scene. The system also including microphones to capture the audio and speakers to present the audio thereby

providing a two-way video and audio telecommunication system between two locations.

159. However, numerous problems existed relative to ease of use, security, and privacy of these system that had not yet been adequately addressed. One previous solution was to disable video completely, but this did not provide a sufficiently versatile approach wherein the user would like to show a portion of the image during video communication without showing a private or secure portion in the background image.

160. The '155 Patent provided a technical solution to address the problems above, in part, by adapting the digital capture device to adjust the captured digital image to create a modified captured digital image such that at least a portion of a background of the digital video or still images is removed from the digital video or still image.

161. The novel use and arrangement of the specific combination, steps, system, and devices recited by the '155 Patent were not well-understood, routine, or conventional to a person skilled in the relevant field at the time of the inventions.

162. Juxtaposing the '155 claimed inventions against the conventional state of the art at the time of the invention show, in part, the unconventionality and inventiveness of the '155 claimed inventions. The inventive features of the '155

claimed inventions have multiple inventive advantages over conventional prior art, including with respect to the overcoming the shortcomings noted above.

163. The '155 Patent systems and methods for remote determination of image-acquisition settings and opportunities for a digital camera improves the prior art system and methods, providing the advantages of increased security and privacy.

MPV's '333 PATENT

164. The Patent Office issued the '333 Patent on September 12, 2006.

165. The '333 Patent, titled "Surveillance System," generally relates to the field of systems for surveillance, and more particularly, to systems for collection, analysis, and distribution of surveillance data.

166. At the time that the application leading to the '333 Patent was filed, systems designed to monitor predetermined areas through a continuous feed of video data either displayed the video feed in real time or recorded the data to a recording device. However, the systems did not have a means of determining where or when an occurrence of interest had taken place nor any means of analyzing the information within the video feed. These systems had several shortcomings, such as inherent data storage limitations and an inability to analyze video data for determination of, for example, how long an intruder has been in a monitored area; whether the intruder is alone; how the intruder got into the

monitored area; where the intruder has previously been; what the intentions of the intruder might be; or where the intruder is going next.

167. The invention described in the '333 Patent improves upon the prior art systems by providing a means to detect predetermined conditions within surveillance data and generate surveillance data representative of the detected conditions, rather than simply recording, storing, and distributing video data. These features of the claimed invention further allow the surveillance device to utilize position data to control and adjust the position of surveillance equipment. This is accomplished, in part, through the detection of predetermined conditions by way of sensor units configured to identify certain criteria, such a position information. The prior art systems of surveillance did not provide means for capturing and recording surveillance data based on predetermined conditions, such as position data, and further utilizing such position data to establish a position control signal.

168. The methods and systems described in the '333 Patent improved upon the prior art by, without limitation (1) preserving memory in a surveillance system including a database; (2) capturing only relevant surveillance data based on predetermined conditions; and (3) establishing position control of a surveillance system based on captured position data.

169. The shortcomings of the prior art surveillance systems were solved by

the unconventional and inventive methods and systems claimed by the '333 Patent. A person of ordinary skill in the art at the time of the invention would recognize the steps and methods claimed in the '333 Patent were unconventional and that the described surveillance systems including the capture, collection, and utilization of predetermined condition data were not routine or well-understood.

COUNT 1
INFRINGEMENT OF U.S. PATENT NO. 8,665,345

170. MPV realleges and incorporates by reference the allegations set forth above as if restated verbatim here.

171. MPV is the owner, by assignment, of U.S. Patent No. 8,665,345. The '345 Patent was issued by the United States Patent and Trademark Office on March 4, 2014.

172. As the owner of the '345 Patent, MPV holds all substantial rights in and under the '345 Patent, including the right to grant licenses, exclude others, and to enforce, sue, and recover damages for past and future infringement.

173. The '345 Patent is valid, enforceable and was duly issued in full compliance with Title 35 of the United States Code.

174. MPV alleges that TP-Link has infringed, and continues to infringe, the '345 Patent.

175. TP-Link makes, uses, offers to sell, sells, and/or imports products and video monitoring services and products accessible on the TP-Link App, websites,

and all other similar products (“TP-Link Accused Products”) that infringe the ’345 Patent.

176. TP-Link has directly infringed at least claims 16, 17, and 18 of the ’345 Patent by using (including its own testing), making, selling, offering for sale, licensing, and/or importing into the United States without authority the TP-Link Accused Products.

177. The TP-Link Accused Products are designed, manufactured, and intended to be used in normal operation to practice the ’345 Patent and feature functionality comprising the steps noted below.

178. The TP-Link Accused Products include playback that can be accessed on the TP-Link App.

179. The TP-Link Accused Products receive a video sequence including a time sequence of image frames from TP-Link Cameras (e.g., Kasa spot Pan/Tilt camera).

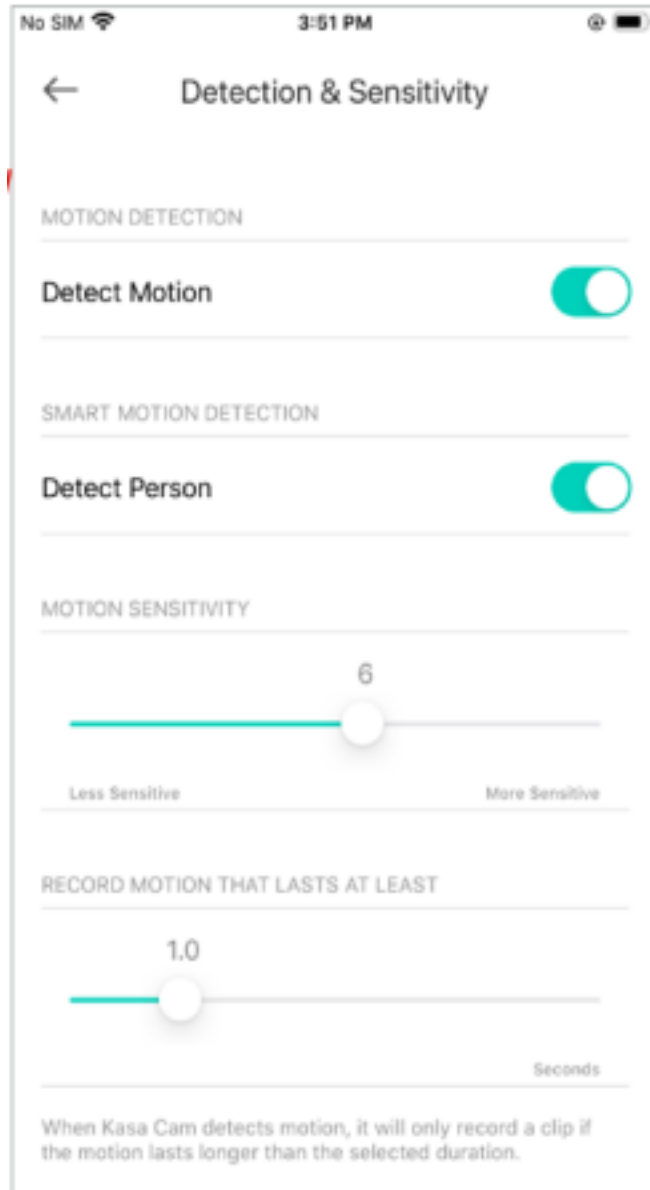
With the Kasa Spot Pan Tilt connected to your home network, you can get the full picture of any space in your apartment, dorm or home. With a 360° horizontal view and 113° vertical view, the Pan Tilt has everything covered. With Motion Tracking and Patrol Mode, track activity from beginning to end and set multiple distinct viewpoints for your camera to monitor at set intervals.

- **Crystal Clear Video** – Sharp and clear 4MP Full HD provides high-quality video right in the palm of your hand.
- **Pan and Tilt** – Swipe up, down, left and right on your phone to rotate and set the camera's point of view.
- **Motion Tracking** – When motion activity is detected, Kasa Spot Pan Tilt tracks and follows the subject to keep it within the camera's field of view.
- **Cloud Storage Plans** – Upgrade your Kasa Care subscription plan and enjoy video recordings for up to 30 days.
- **Patrol Mode** – Set 4 distinct viewpoints and program your pan tilt camera to keep an eye on each region at intervals of your choosing.
- **Night Vision** – Even in the dark, the camera has Night Vision up to 30 feet. Never miss a thing at night and still get the same high-quality video you're used to.
- **Instant Activity Alerts** – No need to check your Kasa Spot Pan Tilt throughout the day. Get automatic alerts when it detects motion. Take quick action when you see your pet on the couch, a roommate walking through your room, or an intruder enter your front door.
- **Two-Way Audio** – Use crisp two-way audio to communicate with nosy roommates, family or even mischievous pets.
- **Activity Zones** – Control what alerts you receive by creating up to 16 custom activity zones, at no charge, around areas that are important to you.
- **24/7 Recording** – Support continuous video recording with a SD card inserted to your Kasa Spot Pan Tilt.



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

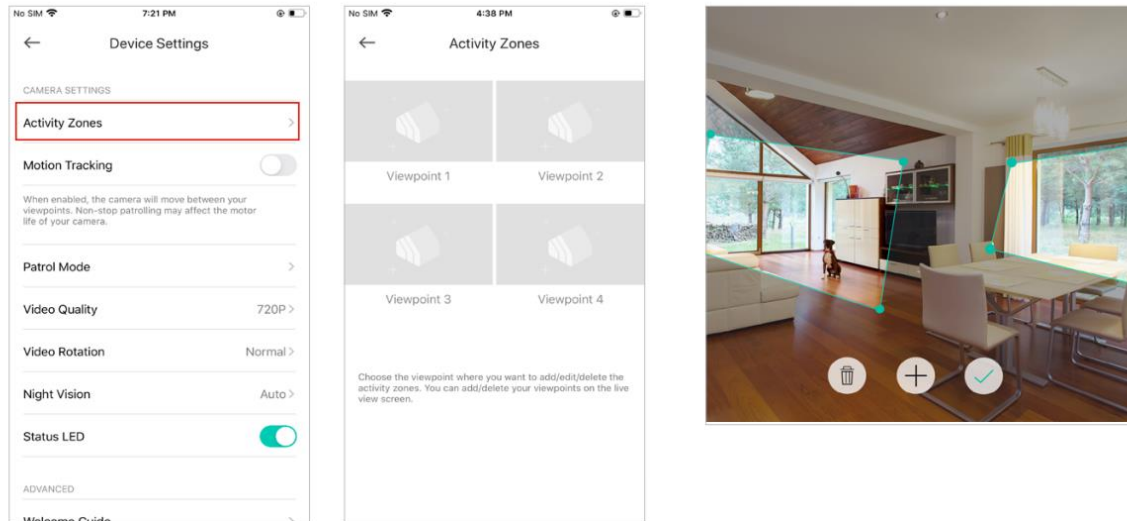
180. TP-Link specifies recording settings (i.e., reference data) separate from the received video sequence. The recording settings indicate that person detection (i.e., feature of interest) is activated, and include information specifying the Activity Zone(s) within the image frames for which alerts should be received (i.e., desired characteristic).



7. Set activity zones.

Control what alerts you by creating multiple custom activity zones around areas that are important to you.

You need to add viewpoints first. Then you can set activity zones in a specific viewpoint. Check how to [Add View Points](#).



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

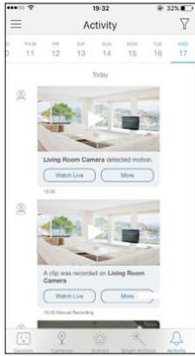
181. TP-Link Accused Products specify motion detection data in the video analytics software (i.e., “reference data”) separate from a reference in the received video, wherein the data indicates a detected person (i.e., “feature of interest”) motion detection data in the video analytics software (i.e., “reference data”) separate from a reference in the received video, wherein the data indicates a detected person (i.e., “feature of interest”).

182. TP-Link uses a processor to automatically analyze the image frames using a feature recognition algorithm to identify a subset of the image frames that contain a detected person (i.e., feature of interest) within a designated Activity Zone (i.e., the desired characteristic). The TP-Link App then forms clips from the

entire video recording (i.e., a video summary) including the image frames containing a person moving within the activity areas.

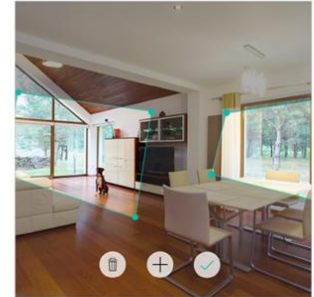
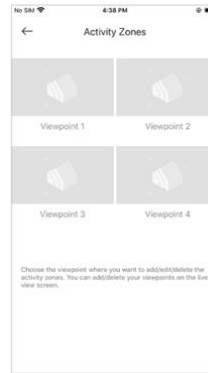
Check Activity Notifications

Get automatic alerts when it detects motion. You can view all video clips and activity notifications on each date in [Activity Center](#).



7. Set activity zones.

Control what alerts you by creating multiple custom activity zones around areas that are important to you. You need to add viewpoints first. Then you can set activity zones in a specific viewpoint. Check how to [Add View Points](#).



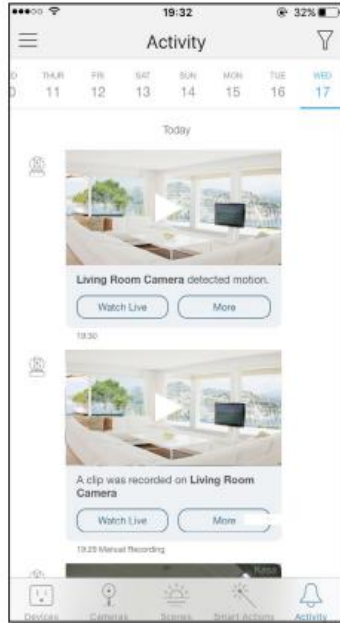
<https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918>

[KC410S\(US\) UG REV1.0.0.pdf](#)

183. TP-Link stores representations of the video summaries in a memory that is accessible via the cloud.

Check Activity Notifications

Get automatic alerts when it detects motion. You can view all video clips and activity notifications on each date in [Activity Center](#).



Kasa provides options for your video recording. You can subscribe to a Kasa Care Plan to store 30-day video clips to the cloud for added backup and more beneficial functions.

[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

184. Reference data includes information specifying that the object detection must occur inside of an Activity Zone (i.e., “desired characteristic of the image frames”).

ACTIVITY ZONE

Focus on the Important.

Your Kasa Cam can see a lot, sometimes, too much. With Activity Zones, you can tell your camera which areas to monitor and which areas to ignore, ensuring you only see clips and notifications for activity that actually matters.



<https://www.kasasmart.com/us/kasacare>

185. TP-Link advertises that its subscribers can selectively control and assign Activity Zones so they can monitor for highly specific activity.

186. The TP-Link platform (i.e., “data processor”) automatically analyzes the captured video images using human, animal, or vehicle detection algorithm (i.e., “feature recognition algorithm”) to identify those live video frames (i.e., a “subset of the image frames”) that contain a person detected inside of the configured Activity Zone. The TP-Link Accused Products use a processor to automatically analyze the live video images using a feature recognition algorithm to identify those video frames (i.e., “a subset of image frames”) that contain a person and have the desired object placement and sensitivity.

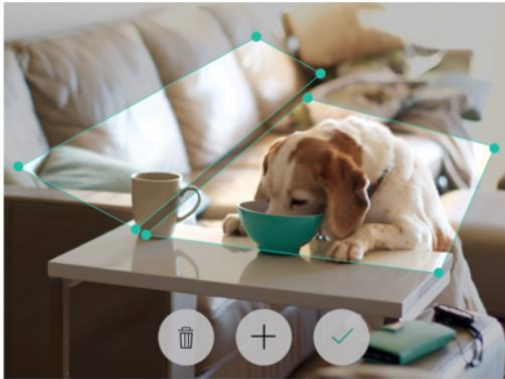
How do Activity Zones work?

Configuration Guide

Updated 08-17-2022 10:23:39 AM

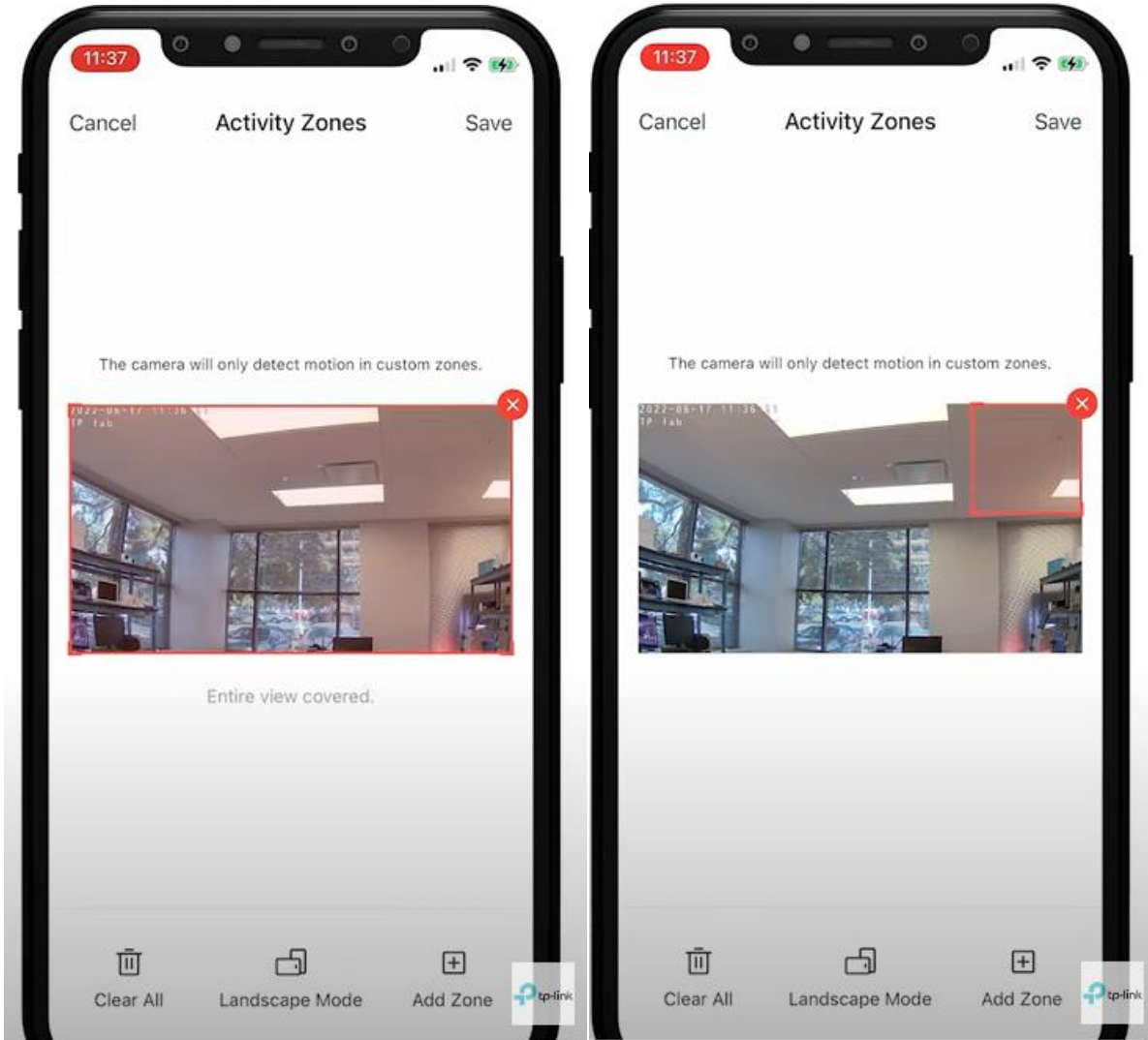
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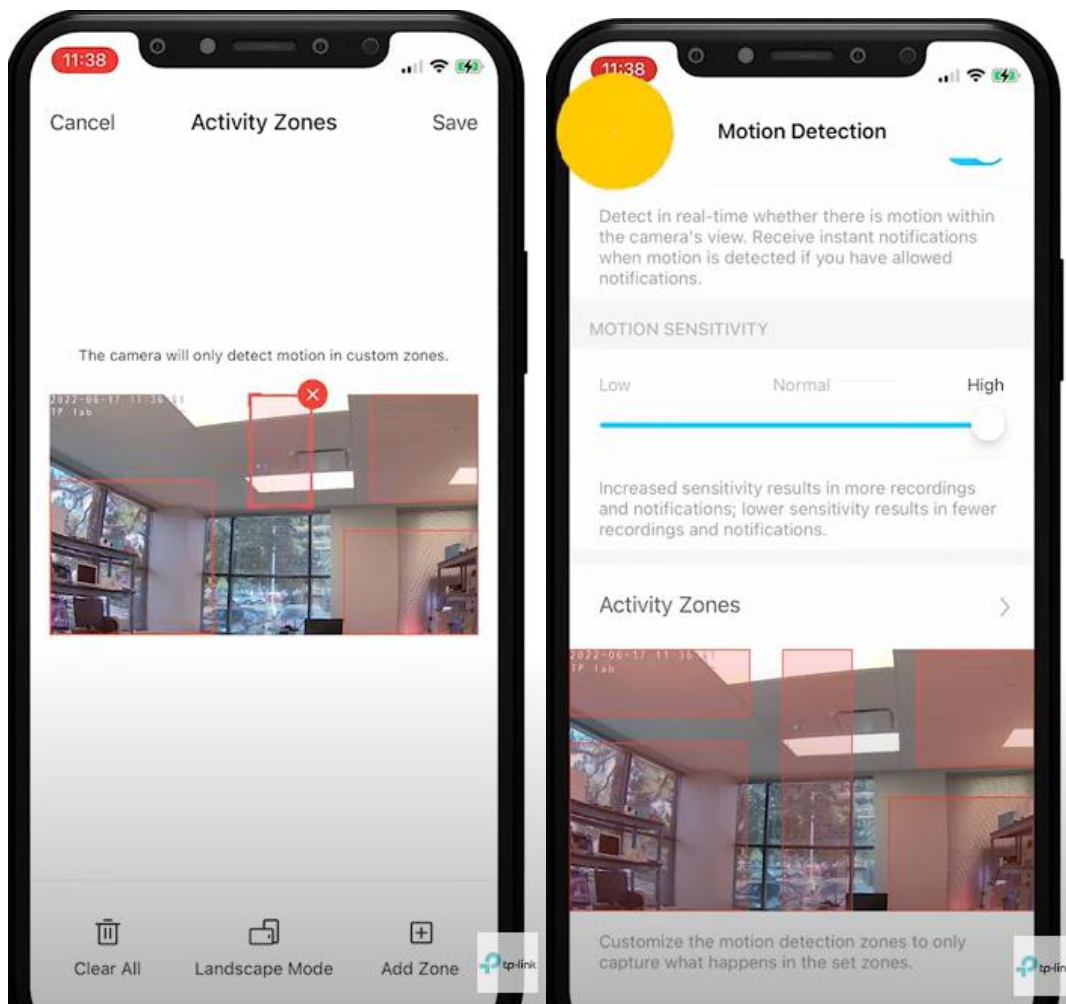
This Article Applies to: ♥



You may adjust the corners of your activity zones to make any shape to custom fit the needs of your monitoring zones. When motion occurs inside of your Activity Zones your camera will record and store it in your Activity Center, and you will receive a notification (if enabled). You may layer up to 4 different custom activity zones per camera. You may delete individual zones by tapping the trashcan icon.

<https://www.tp-link.com/us/support/faq/2258/>





<https://www.youtube.com/watch?v=SUqBucHOo80>

187. TP-Link forms recordings (i.e., “a video summary including fewer than all of the image frames”), wherein the recordings include a person detected inside of the set area.

Our Kasa Cams feature the ability to create multiple, customizable, geometric Activity Zones – along with varying levels of sensitivity – so you can ensure the Kasa Cam only records what you want it to, when you want it to. Customizing these settings is quick and easy using the Kasa Smart app. Simply open the Devices menu, select your Kasa Cam, then choose its Device Settings menu option (top-right). In the Device Settings menu, you will

<https://community.tp-link.com/us/home/forum/topic/150607>

188. TP-Link has used and tested the TP-Link Accused Products in the

United States.

189. TP-Link thus has infringed and continues to infringe the '345 Patent.

190. TP-Link's activities were without authority of license under the '345 Patent.

191. TP-Link's users, customers, agents and/or other third parties (collectively, "third-party infringers") infringed and continue to infringe the asserted claims including under 35 U.S.C. § 271(a) by using the TP-Link Accused Products according to their normal and intended use.

192. TP-Link has, since at least as early as March 23, 2022, known or been willfully blind to the fact that the third-party infringers' use of the TP-Link Accused Products directly infringes the '345 Patent.

193. TP-Link's knowledge of the '345 Patent, which covers operating the TP-Link Accused Products in their intended manner such that all limitations of the asserted claims of the '345 Patent are met, extends to its knowledge that the third-party infringers' use of the TP-Link Accused Products directly infringes the '345 Patent, or, at the very least, rendered TP-Link willfully blind to such infringement.

194. With knowledge of or willful blindness to the fact that the third-party infringers' use of the TP-Link Accused Products in their intended manner such that all limitations of the asserted claims of the '345 Patent are met directly infringes the '345 Patent, TP-Link has actively encouraged the third-party infringers to

directly infringe the '345 Patent by making, using, testing, selling, offering for sale, importing and/or licensing the accused products by, for example: marketing TP-Link's video playback capabilities to the third-party infringers; supporting and managing the third-party infringers' use of the TP-Link playback functions; and providing technical assistance to the third-party infringers during their continued use of the TP-Link Accused Products such as by, for example, publishing instructional information on the TP-Link websites (including, without limitation, the knowledge center, instructional videos and on the TP-Link branded and operated Kasa Smart Home website) directing and encouraging third-party infringers how to make and use the playback features of the TP-Link Accused Products.

195. TP-Link induces the third-party infringers to infringe the asserted claims of the '345 Patent by directing or encouraging them to operate the TP-Link Accused Products which satisfy all limitations of the asserted claims of the '345 Patent. For example, TP-Link advertises and promotes the playback features of the TP-Link Accused Products and encourages the third-party infringers to operate them in an infringing manner. TP-Link further provides technical assistance directing and instructing third parties how to operate the TP-Link Accused Products by, for example, publishing instructional materials, videos, knowledge center resources, how-to guides, troubleshooting, manuals, and user guides.

196. In response, the third-party infringers acquire and operate the TP-Link Accused Products in an infringing manner.

197. TP-Link specifically intends to induce, and did induce, the third-party infringers to infringe the asserted claims of the '345 Patent, and TP-Link knew of or was willfully blind to such infringement. TP-Link advised, encouraged, and/or aided the third-party infringers to engage in direct infringement, including through its encouragement, advice, and assistance to the third-party infringers to use the playback features of the TP-Link Accused Products. Having known or been willfully blind to the fact that the third-party infringers' use of the TP-Link Accused Products in their intended manner such that all limitations of asserted claims of the '345 Patent were met directly infringed the '345 Patent, TP-Link, upon information and belief, actively encouraged and induced the third-party infringers to directly infringe the '345 Patent by making, using, testing, selling, offering for sale, importing and/or licensing said TP-Link Accused Products, and by, for example: marketing the TP-Link Accused Products to the third-party infringers; supporting and managing the third-party infringers' use of the TP-Link Accused Products; and providing technical assistance to the third-party infringers during their continued use of the TP-Link Accused Products by, for example, publishing the following instructional information directing third-party infringers how to make and use the TP-Link Accused Products to infringe the asserted claims

of the '345 Patent:

- <https://www.tp-link.com/us/support/download/>;
- <https://www.tp-link.com/us/support/download/kc100/#video>;
- <https://www.tp-link.com/us/support/faq/819/>;
- <https://www.tp-link.com/us/support/faq/821/>;
- <https://www.tp-link.com/us/search/?q=Cloud+Camera&t=FAQ&s=CATEGORY>;
- <https://www.tplinkcloud.com/>;
- <https://www.tp-link.com/us/learning-center/>;
- <https://community.tp-link.com/us/home/kb>;
- <https://www.kasasmart.com/us/blog>;
- <https://www.kasasmart.com/us/kasacare>;
- <https://www.kasasmart.com/us>;
- <https://www.tp-link.com/us/support/faq/>;
- <https://www.tp-link.com/us/support/setup-video/>; and
- www.tp-link.com help documentation, among others.

198. Based upon the foregoing facts, among other things, TP-Link has induced and continues to induce infringement of the asserted claims of the '345 Patent under 35 U.S.C. § 271(b).

199. TP-Link has sold, provided and/or licensed to the third-party

infringers and continues to sell, provide and/or license the TP-Link Accused Products that are especially made and adapted—and specifically intended by TP-Link—to be used as components and material parts of the inventions covered by the '345 Patent. For example, the TP-Link Accused Products include playback and cataloging features identified above which the third-party infringers used in a manner such that all limitations of the asserted claims are met, and without which the third-party infringers would have been unable to use and avail themselves of the intended functionality of the accused products.

200. TP-Link also knew that the accused products are operated in a manner that practices each asserted claim of the '345 Patent.

201. The playback features are specially made and adapted to infringe the asserted claims of the '345 Patent.

202. The playback features are not a staple article or commodity of commerce, and, because the functionality was designed to work with the TP-Link Accused Products solely in a manner that is covered by the '345 Patent, it has no substantial non-infringing use. At least by MPV's notice of TP-Link's infringement, based upon the foregoing facts, TP-Link knew of or was willfully blind to the fact that such functionality was especially made and adapted for—and was in fact used in—the accused products in a manner that is covered by the '345 Patent.

203. Based upon the foregoing facts, among other things, TP-Link has contributorily infringed and continues to contributorily infringe the asserted claims of the '345 Patent under 35 U.S.C. § 271(c).

204. Upon information and belief, TP-Links's acts of infringement of the '345 Patent continue since notice and since this complaint was filed and are, therefore, carried out with knowledge of the asserted claims of the '345 Patent and how the TP-Link Accused Products infringe them. Rather than take a license to the '345 Patent, TP-Link's ongoing infringing conduct reflects a business decision to "efficiently infringe" the asserted claims and in doing so constitutes willful infringement under the standard of *Halo Elecs., Inc. v. Pulse Elecs., Inc.*, 136 S. Ct. 1923 (2016).

205. TP-Link's acts of direct and indirect infringement have caused and continue to cause damage to MPV for which MPV is entitled to recover damages sustained as a result of TP-Link's infringing acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court, pursuant to 35 U.S.C. § 284.

COUNT 2
INFRINGEMENT OF U.S. PATENT NO. 8,305,452

206. MPV realleges and incorporates by reference the allegations set forth above as if restated verbatim here.

207. MPV is the owner, by assignment, of U.S. Patent No. 8,305,452.

208. As the owner of the '452 Patent, MPV holds all substantial rights in and under the '452 Patent, including the right to grant licenses, exclude others, and to enforce, sue, and recover damages for past and future infringement.

209. The '452 Patent was issued by the United States Patent Office on November 6, 2012.

210. The '452 Patent is valid, enforceable and was duly issued in full compliance with Title 35 of the United States Code after a full and fair examination.

211. TP-Link has been and continues to practice without authorization or license one or more claims of the '452 Patent including claims 1, 2, 3, and 4.

212. TP-Link makes, uses, offers to sell, sells, and/or imports the TP-Link products and services including TP-Link cameras and sensors including, but not limited to, Tapo C420S2, Tapo C210, Tapo C200, Tapo C110, Tapo C310, Tapo C320WS, KD110, KC420WS, EC60, EC70, KC400, KC410S, KC115, KC401, KC411S, KC120, NC200, NC210, NC220, NC230, NC250, NC260, NC450, TP-Link Kasa Spot Camera, TP-Link Kasa Cam Network, TP-Link Kasa Spot Indoor Camera, TP-Link TC70, TP-Link Kasa Cam Outdoor, TP-Link Kasa Spot KC105, TP-Link C400HP, TP-Link Day/Night Cloud Camera, TL-NC450, IP Camera TP-Link, TP-Link Wi-Fi Kasa Spot Pan Tilt, TP-Link Kasa Indoor Pan/Tilt, TP-Link KC120 Kasa Camera, TP-Link Vigi C300HP, Kasa Smart by TP-Link Pan Tilt,

TP-Link TL-Sc3430, TP-Link 3MP Turret Network Cameras, TP-Link 360 Surveillance Cameras, TP-Link compatible cameras, and all other similar products (“TP-Link Camera Products”), video monitoring services and products accessible on applications available on both Android and iOS including the TP-Link branded Kasa app, Kasa Smart app, tpCamera app, Vigi app, TP-Link/Kasa websites and all other similar products (“TP-Link App”), and all other similar products (“TP-Link Accused Products”) that infringe the ’452 Patent.

213. TP-Link has directly infringed at least claims 1, 2, 3, and 4 of the ’452 Patent by using (including its own testing), making, selling, offering for sale, licensing, and/or importing into the United States without authority the TP-Link products and services including TP-Link Camera Products, video services and products accessible on both Android and iOS including the TP-Link branded Kasa app, Kasa Smart app, tpCamera app, Vigi app, TP-Link/Kasa websites and all other similar products website, and all other similar products (“TP-Link Accused Products”) that infringe the ’452 Patent.

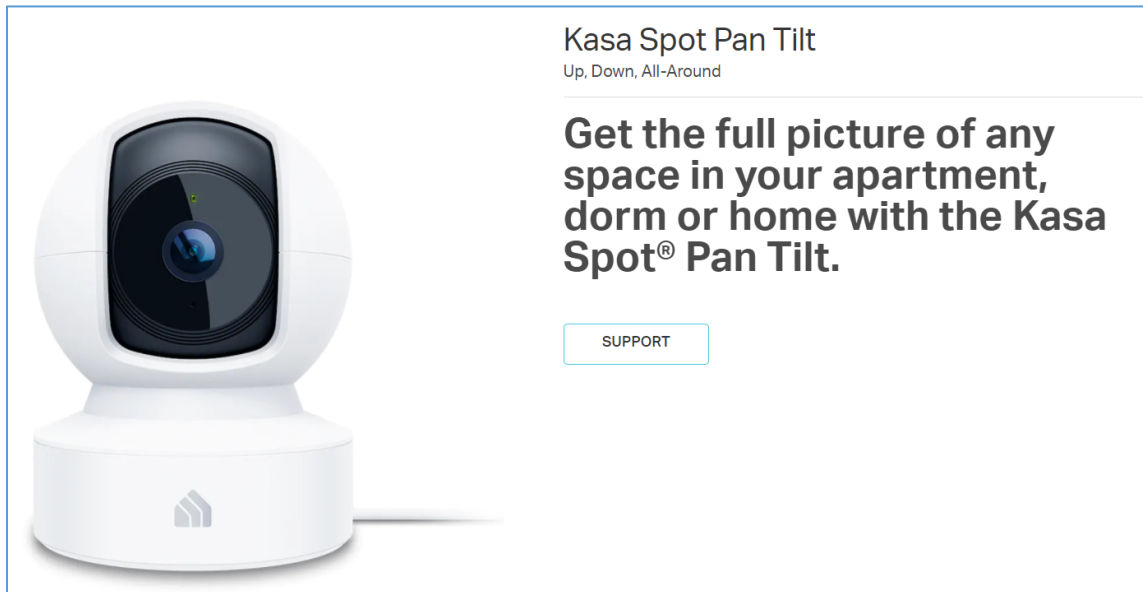
214. The accused TP-Link devices and software satisfy each and every element of each asserted claim of the ’452 Patent either literally or under the doctrine of equivalents.

215. TP-Link thus infringes the asserted claims of the ’452 Patent.

216. TP-Link’s activities were without authority of license under the ’452

Patent.

217. TP-Link cameras (e.g., Kasa Spot Pan Tilt) determine recording settings (i.e., “image acquisition settings”) and record video (i.e., “acquiring an image”) accordingly.

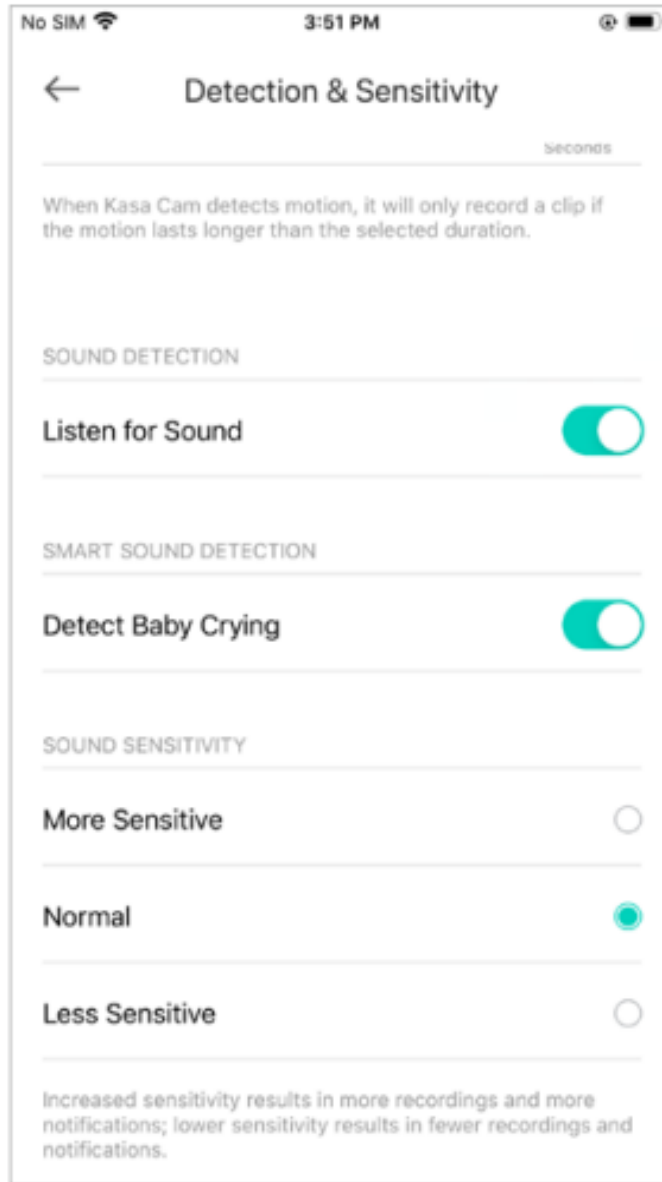


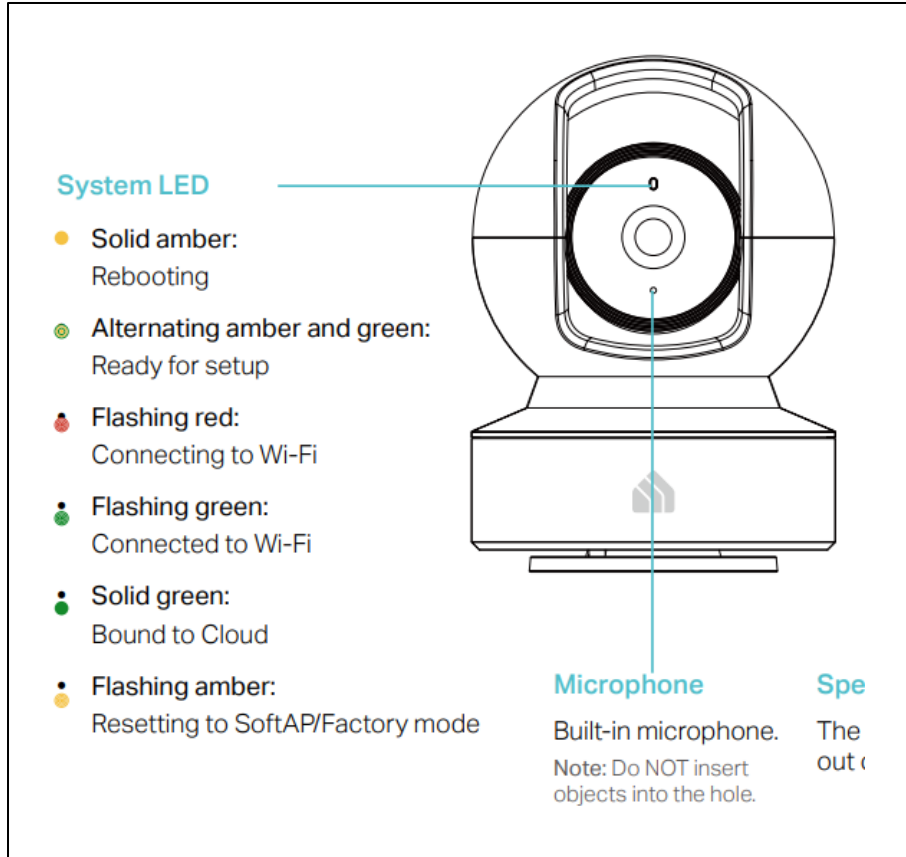
- **Crystal Clear Video**
Sharp and clear 1080p full-HD provides high-quality video right in the palm of your hand.

<https://www.kasasmart.com/us/products/security-cameras/kasa-spot-pan-tilt-kc110>

218. Prior to image acquisition, TP-Link Cameras (e.g., Kasa Spot Pan Tilt) obtain sound detection information (i.e., audio information) from a sound sensor (i.e., “associated sensors”), along with a verification of the camera’s connection to Wi-Fi or Cloud (i.e., announcement of the digital camera’s

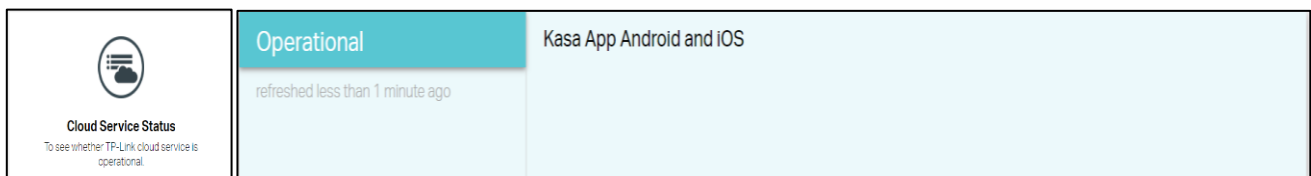
presence).

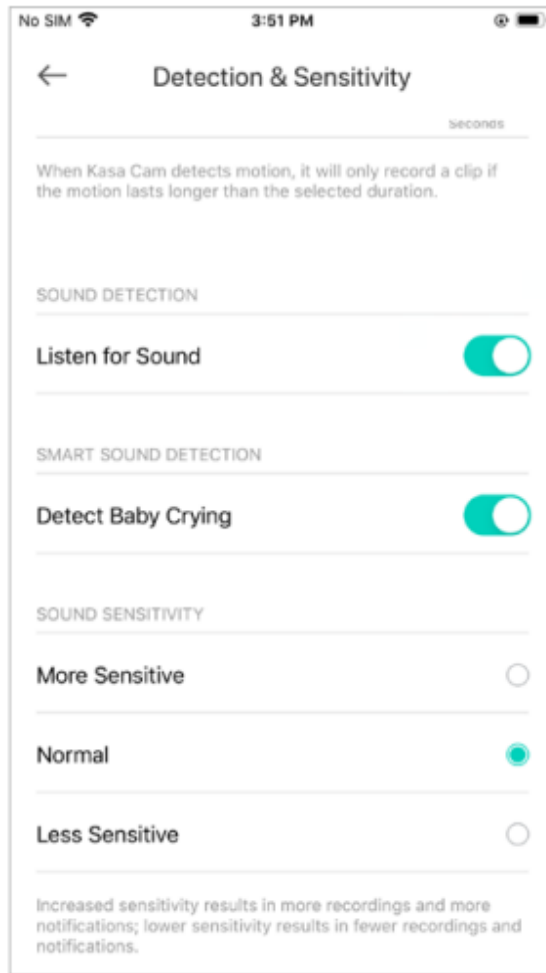
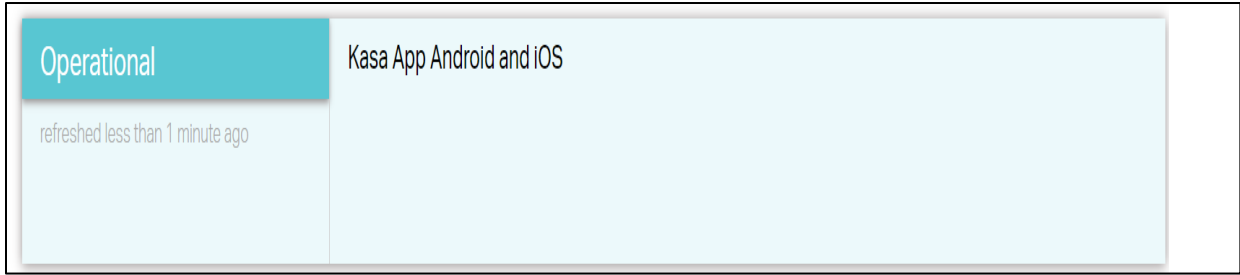




<https://www.tp-link.com/us/support/download/ec70/v1.8/>; and [https://static.tp-link.com/manual/2021/202107/20210702/1910012891_EC70\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/manual/2021/202107/20210702/1910012891_EC70(US)_UG_REV1.0.0.pdf).

219. TP-Link transmits only the detected camera/sound verification (i.e., pre-acquisition information) to the Server (i.e., “image-acquisition-setting providing system”) external to the digital camera.





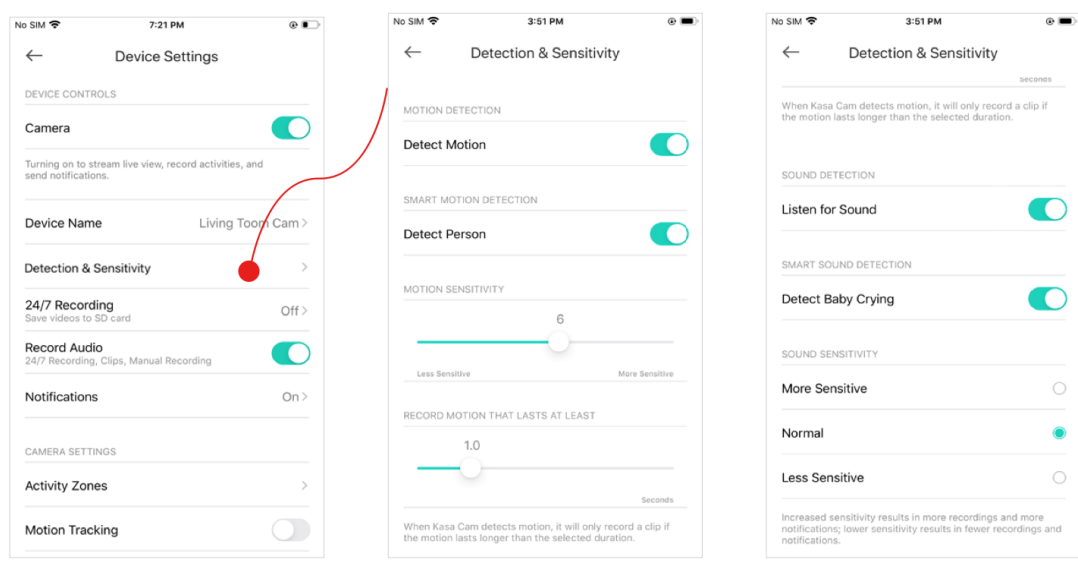
<https://www.tp-link.com/us/support/cloud-service-status/>; and [https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf).

220. TP-Link cameras receive the image acquisition settings selected in the

TP-Link App from the Server based on the detected sound and Wi-Fi connection verification (i.e., pre-image acquisition settings). The digital camera performs image acquisition when sound is detected, in accordance with the sound tracking settings and connection verification (i.e., based upon the received image acquisition settings).

4. Set detection and sensitivity for recording videos.

Enable [Detect Motion](#) / [Detect Person](#) if you want your camera to record when motion / person is detected. Also set the sensitivity of detection. Enable [Listen for Sound](#) / [Detect Baby Crying](#) if you want your camera to record when sound / baby crying is detected. Then set its sensitivity.



The image contains three screenshots from the TP-Link app. The first screenshot, titled 'Device Settings', shows a list of settings including 'Camera', 'Device Name', 'Detection & Sensitivity', '24/7 Recording', 'Record Audio', 'Notifications', 'Activity Zones', and 'Motion Tracking'. A red dot is placed on the 'Detection & Sensitivity' option, with a red arrow pointing to the second screenshot. The second screenshot, titled 'Detection & Sensitivity', shows 'MOTION DETECTION' and 'SMART MOTION DETECTION' both turned on. It also features a 'MOTION SENSITIVITY' slider set to 6 and a 'RECORD MOTION THAT LASTS AT LEAST' slider set to 1.0. The third screenshot, also titled 'Detection & Sensitivity', shows 'SOUND DETECTION' and 'SMART SOUND DETECTION' both turned on. It features a 'SOUND SENSITIVITY' section with 'Normal' selected and 'More Sensitive' and 'Less Sensitive' options unselected.

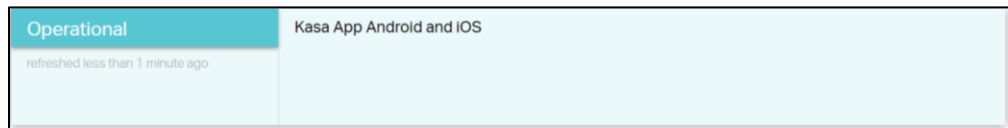
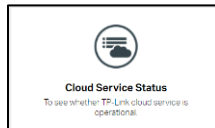
4. Set detection and sensitivity for recording videos.

Enable [Detect Motion](#) / [Detect Person](#) if you want your camera to record when motion / person is detected. Also set the sensitivity of detection. Enable [Listen for Sound](#) / [Detect Baby Crying](#) if you want your camera to record when sound / baby crying is detected. Then set its sensitivity.

Q7.6: Can I use my Kasa camera anywhere if there is no internet?

You can use the camera or watch the live view without an internet connection, but please ensure both your phone and the camera are connected to the same wireless network.

Note: Motion detection or any other service associated with the TP-Link Cloud will not work if there is no internet access.



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf); and <https://www.tp-link.com/us/support/faq/1959/>.

221. TP-Link cameras perform a video recording based upon the received instructions.

222. TP-Link has used and tested the accused TP-Link products and software in the United States.

223. TP-Link’s users, customers, agents and/or other third parties (collectively, “third-party infringers”) infringed and continue to infringe, including under 35 U.S.C. § 271(a), at least claims 1,2, 3, and 4 of the ’452 Patent by using the accused TP-Link products and software.

224. TP-Link has, since March 23, 2022, known or been willfully blind to the fact that third-party infringers’ use of the accused TP-Link products and software directly infringe the ’452 Patent.

225. TP-Link has knowledge of the '452 Patent, which covers operating the accused TP-Link products and software in their intended manner such that all limitations of the asserted '452 Patent claims are met, and knowledge about how the accused products and software are used by the third-party infringers to practice the '452 Patent.

226. With knowledge or willful blindness to the fact that the third-party infringers' use of the accused TP-Link devices and software in accordance with their intended manner of use practices the asserted claims of the '452 Patent, TP-Link actively encourages the third-party infringers to directly infringe the '452 Patent by, for example: marketing them to the third-party infringers; supporting and managing the third-party infringers' use; and providing technical assistance to the third-party infringers during their continued use of the accused TP-Link products by, for example, publishing instructional information directing third-party infringers how to make and use the infringing products to infringe the asserted claims of the '452 Patent.

227. Having known or been willfully blind to the fact that the third-party infringers' use of the accused TP-Link products and software in their intended manner such that all limitations of claims 1, 2, 3 and 4 of the '452 Patent were met directly infringed the '452 Patent, TP-Link, upon information and belief, actively encouraged and induced the third-party infringers to directly infringe the '452

Patent by making, using, testing, selling, offering for sale, importing and/or licensing said accused TP-Link products and software, and by, for example: marketing the accused TP-Link products and software to the third-party infringers; supporting and managing the third-party infringers' use of the accused TP-Link products and software; and providing technical assistance to the third-party infringers during their continued use of the accused TP-Link products and software by, for example, publishing the following instructional information directing third-party infringers how to make and use the accused TP-Link products and software to infringe claims 1, 2, 3, and 4 of the '452 Patent:

- <https://www.tp-link.com/us/support/download/>;
- <https://www.tp-link.com/us/support/download/kc100/#video>;
- <https://www.tp-link.com/us/support/faq/819/>;
- <https://www.tp-link.com/us/support/faq/821/>;
- <https://www.tp-link.com/us/search/?q=Cloud+Camera&t=FAQ&s=CATEGORY>;
- <https://www.tplinkcloud.com/>;
- <https://www.tp-link.com/us/learning-center/>;
- <https://community.tp-link.com/us/home/kb>;
- <https://www.kasasmart.com/us/blog>;
- <https://www.kasasmart.com/us/kasacare>;

- [https://www.kasasmart.com/us](https://www.kasasmart.com/us;);
- <https://www.tp-link.com/us/support/faq/>;
- <https://www.tp-link.com/us/support/setup-video/>;
- <https://www.tp-link.com/us/support/faq/1959/>; and
- www.tp-link.com help documentation, among others.

228. TP-Link induces the third-party infringers to infringe the asserted claims of the '452 Patent by directing or encouraging them to operate the infringing devices and software that satisfy all limitations of the asserted claims of the '452 Patent.

229. For example, TP-Link advertises and promotes the features and functions of the accused devices and software and encourages the third-party infringers to operate them in an infringing manner. TP-Link further provides technical assistance as to how the infringing products should be used by the third-party infringers by, for example, publishing instructional information directing third-party infringers how to use the infringing features to practice asserted claims 1, 2, 3, and 4 of the '452 Patent.

230. In response, the third-party infringers acquire and operate the accused TP-Link devices and software such that all limitations of the asserted claims of the '452 Patent are practiced.

231. TP-Link specifically intends to induce, and does induce, the third-

party infringers to infringe claims 1, 2, 3, and 4 of the '452 Patent, and TP-Link knew of or was willfully blind to such infringement.

232. Based upon the foregoing facts, among other things, TP-Link induces infringement under 35 U.S.C. § 271(b) of at least claims 1, 2, 3 and 4 of the '452 Patent.

233. TP-Link has knowledge, prior to and by this complaint, that the accused TP-Link devices and software are made and operate in a manner that satisfies all limitations of at least claims 1, 2, 3, and 4 of the '452 Patent.

234. Upon information and belief, TP-Link's acts of infringement of the '452 Patent continue since this complaint was filed and are, therefore, carried out with knowledge of the asserted claims of the '452 Patent and how the accused TP-Link software and services infringe them. Rather than take a license to the '452 Patent, TP-Link's ongoing infringing conduct reflects a business decision to "efficiently infringe" the asserted claims and in doing so constitutes willful infringement under the standard of *Halo Elecs., Inc. v. Pulse Elecs., Inc.*, 136 S. Ct. 1923 (2016).

235. TP-Link's acts of direct and indirect infringement have caused and continue to cause damage to MPV for which MPV is entitled to recover damages sustained as a result of TP-Link's infringing acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest

and costs as fixed by this Court, pursuant to 35 U.S.C. § 284.

COUNT 3
INFRINGEMENT OF U.S. PATENT NO. 7,483,061

236. MPV realleges and incorporates by reference the allegations set forth above as if restated verbatim here.

237. MPV is the owner, by assignment, of U.S. Patent No. 7,483,061 titled “Image and Audio Capture with Mode Selection.”

238. As the owner of the ’061 Patent, MPV holds all substantial rights in and under the ’061 Patent, including the right to grant licenses, exclude others, and to enforce, sue, and recover damages for past and future infringement.

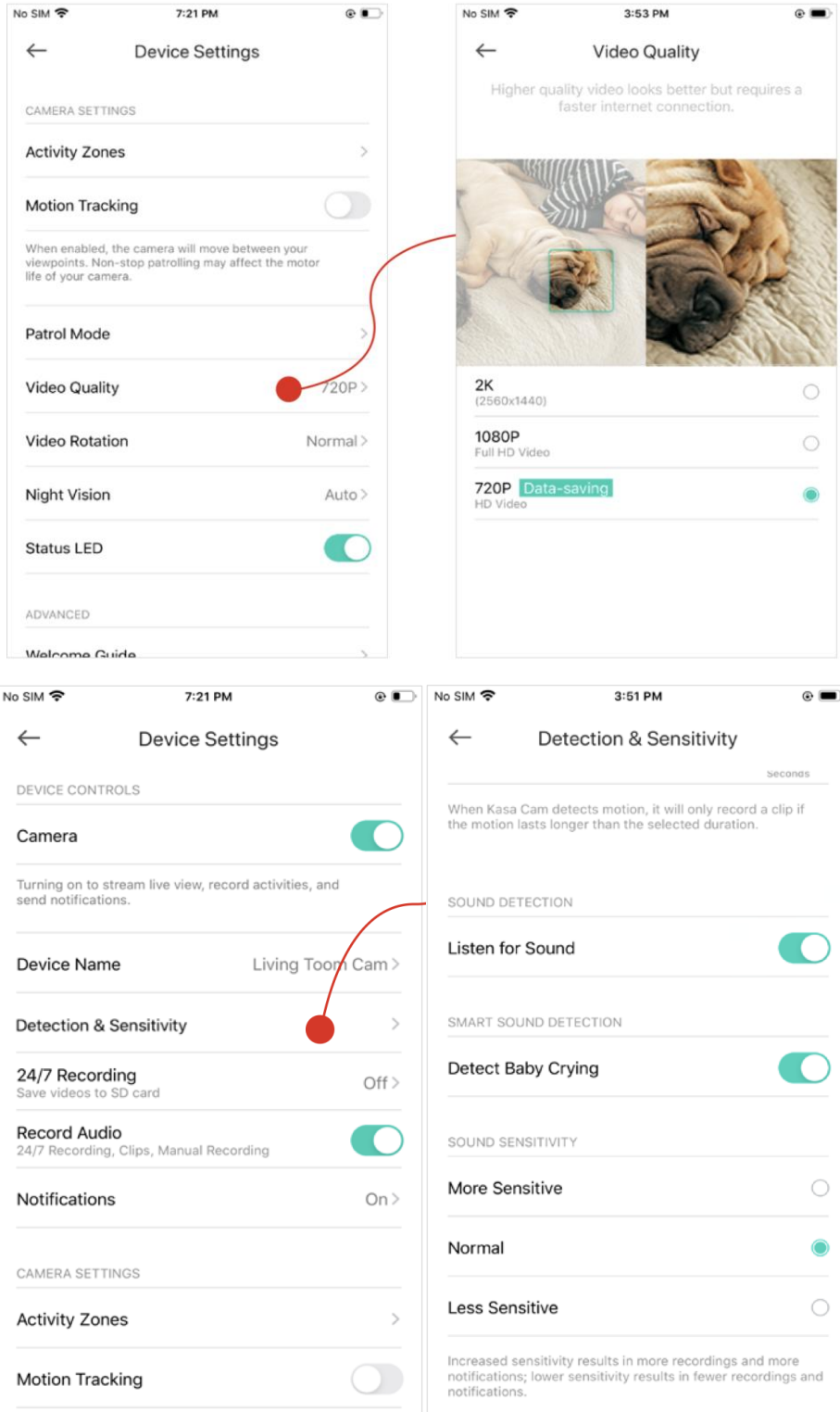
239. The ’061 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code after a full and fair examination.

240. TP-Link has directly infringed at least claims 18, 20, and 21 of the ’061 Patent by making, using, testing, selling, offering for sale, importing and/or licensing in the United States without authority TP-Link’s App that performs a method for detecting objects in a digital image.

241. TP-Link’s App (e.g., Kasa app) sends TP-Link Cameras (e.g., Kasa cameras) a selection between recording video at various video quality levels when a sound is detected (i.e., modes of capture).

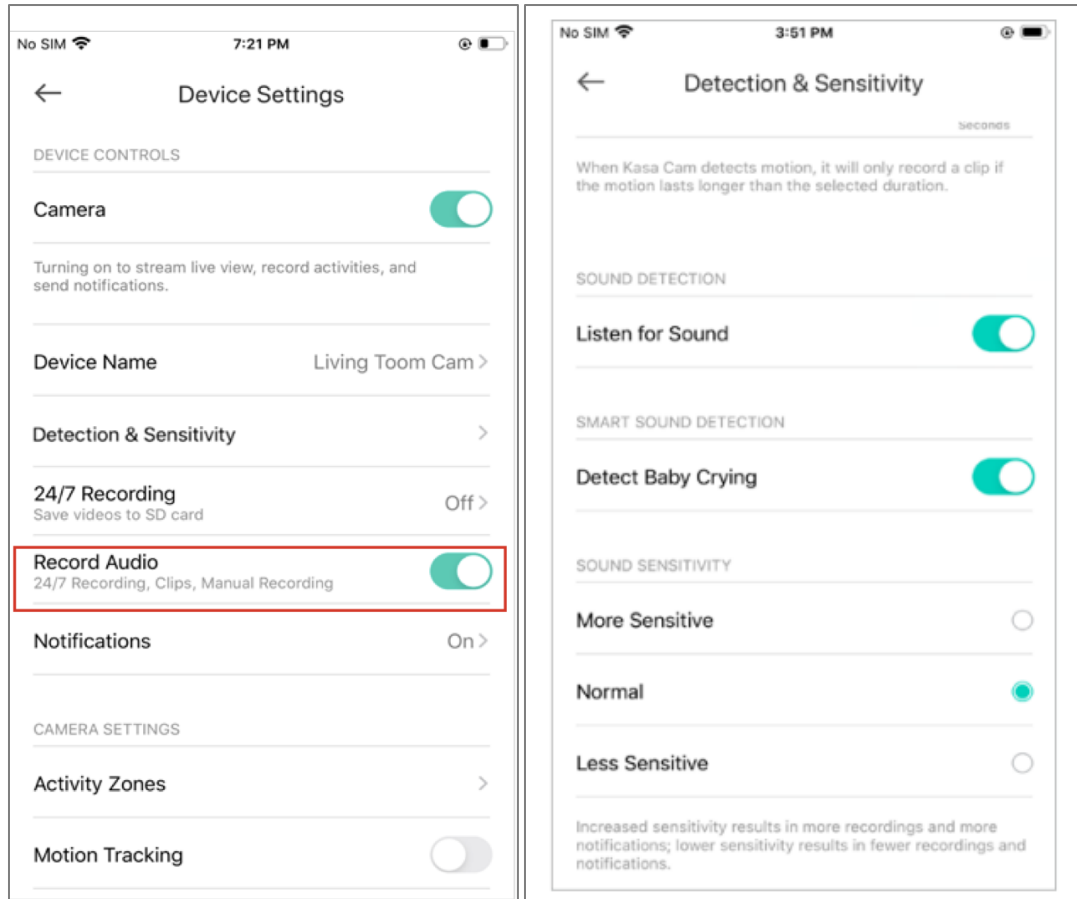
4. Set detection and sensitivity for recording videos.

Enable [Detect Motion](#) / [Detect Person](#) if you want your camera to record when motion / person is detected. Also set the sensitivity of detection. Enable [Listen for Sound](#) / [Detect Baby Crying](#) if you want your camera to record when sound / baby crying is detected. Then set its sensitivity.



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

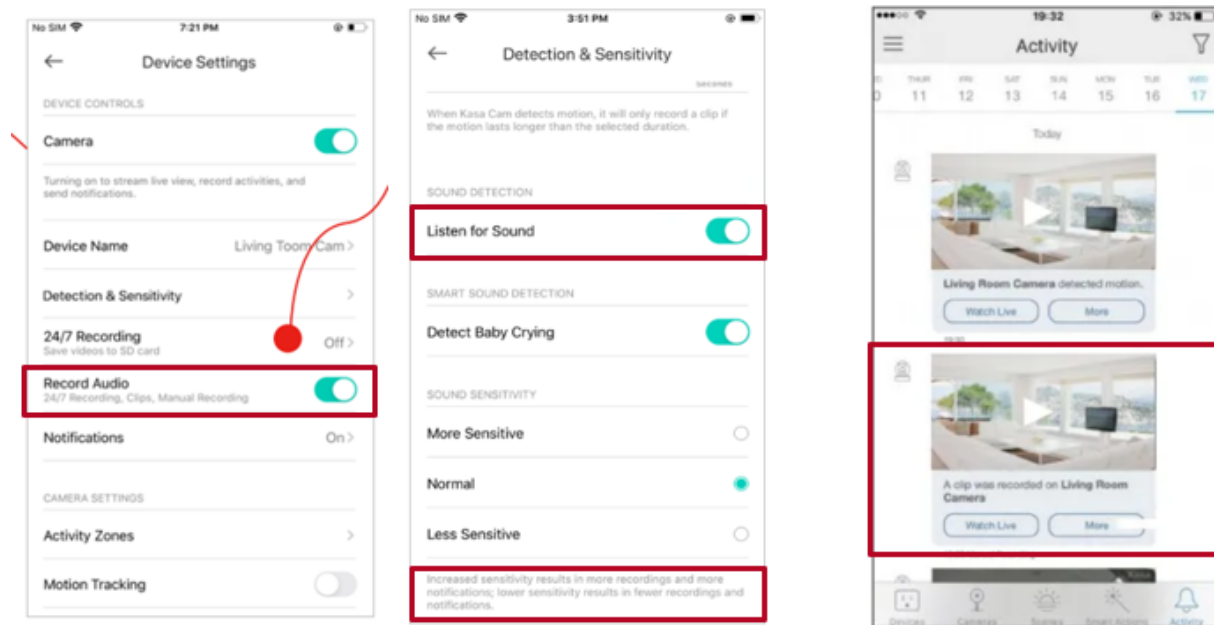
242. TP-Link Cameras determine a level of sound detection sensitivity (i.e., “at least one audio capture characteristic”) for providing a sound recording (i.e., electronic audio signal) based upon detected sounds, based on the selected mode of image capture.



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

243. TP-Link Cameras record video images (i.e., “capturing an image”) at the selected video quality when sound is detected (i.e., in accordance with the selected mode of image capture). TP-Link also records the sounds (i.e., provides an electronic audio signal) detected in accordance with the sound sensitivity settings.

4. Set detection and sensitivity for recording videos.
 Enable **Detect Motion / Detect Person** if you want your camera to record when motion / person is detected. Also set the sensitivity of detection.
Enable Listen for Sound / Detect Baby Crying if you want your camera to record when sound / baby crying is detected. Then set its sensitivity.

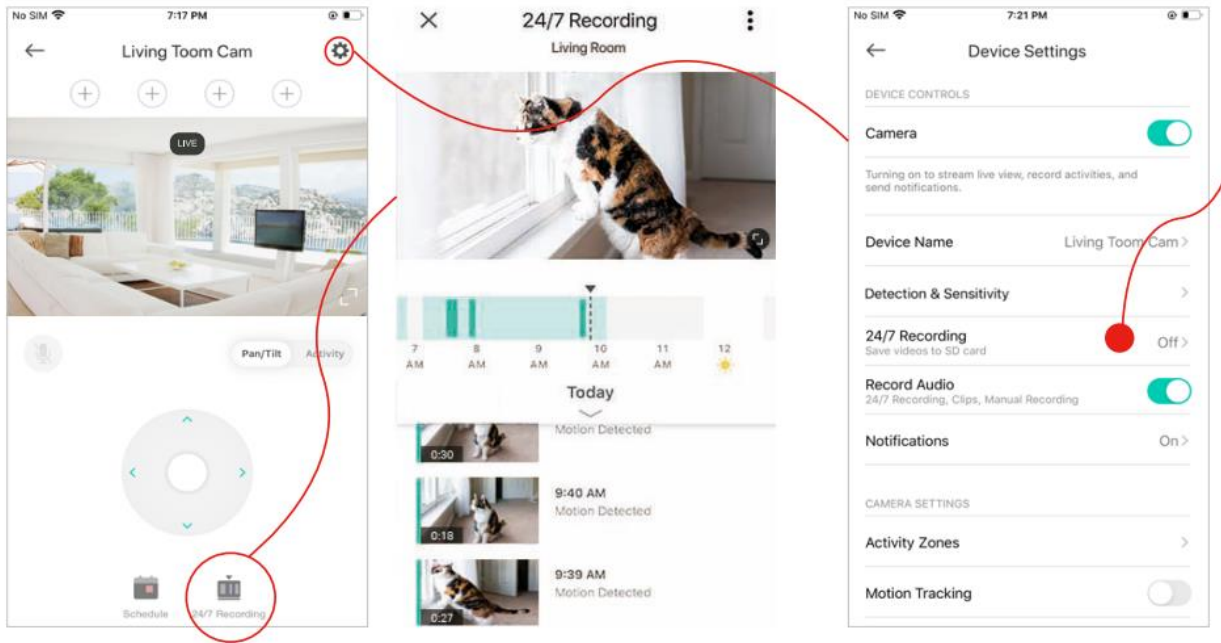


[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

244. Video recording rules based upon detection are configurable by camera.

245. TP-Link associates the recorded video images and the recorded sound

in video clips.



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

246. TP-Link Accused Products thus infringes at least claims 18, 20, and 21 of the '061 Patent literally or under the doctrine of equivalents.

247. TP-Link has used and tested the accused TP-Link products and software in the United States.

248. TP-Link's users, customers, agents and/or other third parties (collectively, "third-party infringers") infringed and continue to infringe, including under 35 U.S.C. § 271(a), at least claims 18, 20, and 21 of the '061 Patent by using the accused TP-Link products and software.

249. TP-Link has, since the filing of this complaint, known or been

willfully blind to the fact that third-party infringers' use of the accused TP-Link products and software directly infringe the '061 Patent.

250. TP-Link has knowledge of the '061 Patent, which covers operating the accused TP-Link products and software in their intended manner such that all limitations of the asserted '061 Patent claims are met, and knowledge about how the accused products and software are used by the third-party infringers to practice the '061 Patent.

251. With knowledge or willful blindness to the fact that the third-party infringers' use of the accused TP-Link devices and software in accordance with their intended manner of use practices the asserted claims of the '061 Patent, TP-Link actively encourages the third-party infringers to directly infringe the '061 Patent by, for example: marketing them to the third-party infringers; supporting and managing the third-party infringers' use; and providing technical assistance to the third-party infringers during their continued use of the accused TP-Link products by, for example, publishing instructional information directing third-party infringers how to make and use the infringing products to infringe the asserted claims of the '061 Patent.

252. Having known or been willfully blind to the fact that the third-party infringers' use of the accused TP-Link products and software in their intended manner such that all limitations of claims 18, 20, and 21 of the '061 Patent were

met directly infringed the '061 Patent, TP-Link, upon information and belief, actively encouraged and induced the third-party infringers to directly infringe the '061 Patent by making, using, testing, selling, offering for sale, importing and/or licensing said accused TP-Link products and software, and by, for example: marketing the accused TP-Link products and software to the third-party infringers; supporting and managing the third-party infringers' use of the accused TP-Link products and software; and providing technical assistance to the third-party infringers during their continued use of the accused TP-Link products and software by, for example, publishing the following instructional information directing third-party infringers how to make and use the accused TP-Link products and software to infringe claims 18, 20, and 21 of the '061 Patent:

- <https://www.tp-link.com/us/support/download/>;
- [https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf);
- <https://www.tp-link.com/us/support/download/kc100/#video>;
- <https://www.tp-link.com/us/support/faq/819/>;
- <https://www.tp-link.com/us/support/faq/821/>;
- <https://www.tp-link.com/us/search/?q=Cloud+Camera&t=FAQ&s=CATEGORY>;

- <https://www.tplinkcloud.com/>;
- <https://www.tp-link.com/us/learning-center/>;
- <https://community.tp-link.com/us/home/kb>;
- <https://www.kasasmart.com/us/blog>;
- <https://www.kasasmart.com/us/kasacare>;
- <https://www.kasasmart.com/us>;
- <https://www.tp-link.com/us/support/faq/>;
- <https://www.tp-link.com/us/support/setup-video/>;
- <https://www.tp-link.com/us/support/faq/1959/>; and
- www.tp-link.com help documentation, among others.

253. TP-Link induces the third-party infringers to infringe the asserted claims of the '061 Patent by directing or encouraging them to operate the infringing devices and software that satisfy all limitations of the asserted claims of the '061 Patent.

254. For example, TP-Link advertises and promotes the features and functions of the accused devices and software and encourages the third-party infringers to operate them in an infringing manner. TP-Link further provides technical assistance as to how the infringing products should be used by the third-party infringers by, for example, publishing instructional information directing third-party infringers how to use the infringing features to practice asserted claims

18, 20, and 21 of the '061 Patent.

255. In response, the third-party infringers acquire and operate the accused TP-Link devices and software such that all limitations of the asserted claims of the '061 Patent are practiced.

256. TP-Link specifically intends to induce, and does induce, the third-party infringers to infringe 18, 20, and 21 of the '061 Patent, and TP-Link knew of or was willfully blind to such infringement.

257. Based upon the foregoing facts, among other things, TP-Link induces infringement under 35 U.S.C. § 271(b) of at least 18, 20, and 21 of the '061 Patent.

258. TP-Link has knowledge, prior to and by this complaint, that the accused TP-Link devices and software are made and operate in a manner that satisfies all limitations of at least claims 18, 20, and 21 of the '061 Patent.

259. Upon information and belief, TP-Link's acts of infringement of the '061 Patent continue since this complaint was filed and are, therefore, carried out with knowledge of the asserted claims of the '061 Patent and how the accused TP-Link software and services infringe them. Rather than take a license to the '061 Patent, TP-Link's ongoing infringing conduct reflects a business decision to "efficiently infringe" the asserted claims and in doing so constitutes willful infringement under the standard of *Halo Elecs., Inc. v. Pulse Elecs., Inc.*, 136 S. Ct. 1923 (2016).

260. TP-Link's acts of direct and indirect infringement have caused and continue to cause damage to MPV for which MPV is entitled to recover damages sustained as a result of TP-Link's infringing acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court, pursuant to 35 U.S.C. § 284.

COUNT 4
INFRINGEMENT OF U.S. PATENT NO. 8,842,155

261. MPV realleges and incorporates by reference the allegations set forth above as if restated verbatim here.

262. MPV is the owner, by assignment, of U.S. Patent No. 8,842,155 titled "Portable Video Communication System."

263. As the owner of the '155 Patent, MPV holds all substantial rights in and under the '155 Patent, including the right to grant licenses, exclude others, and to enforce, sue, and recover damages for past and future infringement.

264. The '155 Patent is valid, enforceable and was duly issued in full compliance with Title 35 of the United States Code.

265. MPV alleges that TP-Link has infringed, and continues to infringe, the '155 Patent.

266. TP-Link makes, uses, offers to sell, sells, and/or imports Tapo C420S2, Tapo C210, Tapo C200, Tapo C110, Tapo C310, Tapo C320WS ("Tapo Cameras") and services accessible on the TP-Link App, Tapo App, websites, and

all other similar products (“TP-Link Accused Products”) that infringe the ’155 Patent.

267. TP-Link has directly infringed at least claims 15 and 18 of the ’155 Patent by making, using, testing, selling, offering for sale, importing and/or licensing in the United States without authority TP-Link Accused Products.

268. Tapo Cameras (i.e., an “apparatus”) adapt displayed video images. The Tapo App sends Tapo Cameras a selection between recording video at various video quality levels when a sound is detected (i.e., modes of capture).



Pan/Tilt Home Security Wi-Fi Camera

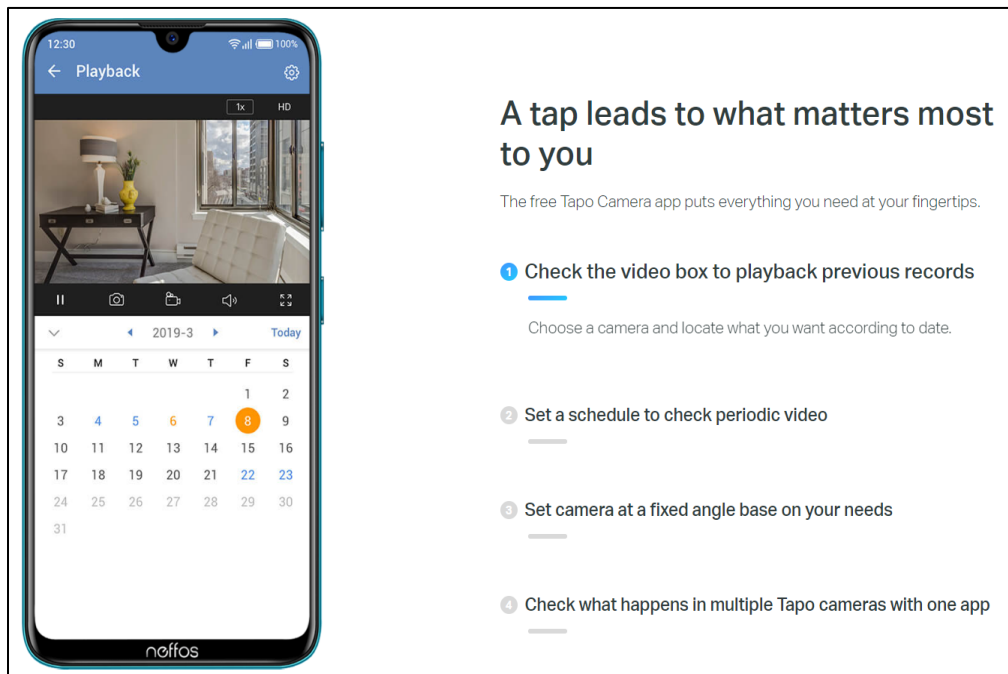
Tapo C200

- Block/Privacy Zone - Set customised block zones to keep certain spaces from being recorded, so you never need to worry about personal moments being leaked. Filter out any personal spaces, like your bed, and only record areas that require monitoring such as doorways and windows to ensure your privacy remains just that private. Currently, a camera can add up to 4 block areas

<https://www.tapo.com/us/product/smart-camera/tapo-c200/>; and

<https://www.tapo.com/au/faq/138/>

269. Tapo Cameras (i.e., “capture device”) capture a video or photo image (i.e., “digital video or still image”) based on configurations (i.e., “instructions”) given by the user in the Tapo App. The Tapo Cameras receives these instruction from Tapo’s cloud (i.e., “remote device”) via a Wi-Fi connection (i.e., “wireless communication network”).

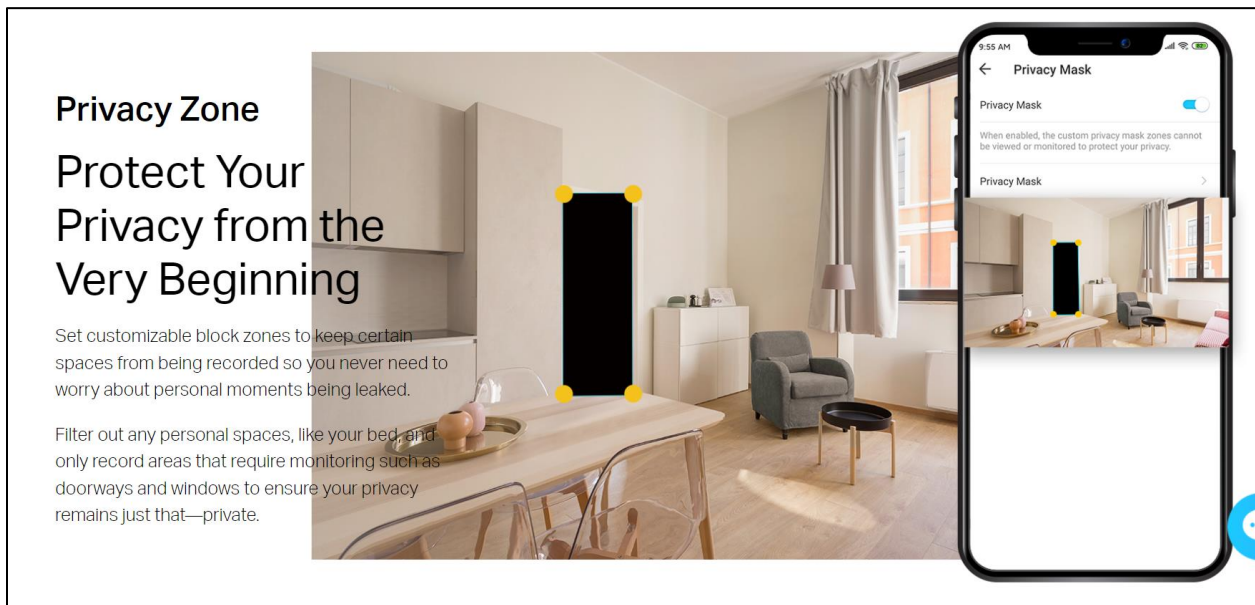


3. Connect your smart phone to the same Wi-Fi network as your camera does and check whether you can see it on the Tapo app. If you can see it, that means the camera fails to connect to the cloud for unknown reasons and you cannot access it remotely.

In this case, we recommend to turn off the firewall of your router and then reset & re-configure the camera. If you still cannot see it, make sure you have logged in with the correct account which you used to configure the camera. And then please go to step 4.

<https://www.tapo.com/us/product/smart-camera/tapo-c200/#tapo-product-overview>; and <https://www.tapo.com/us/faq/24/>.

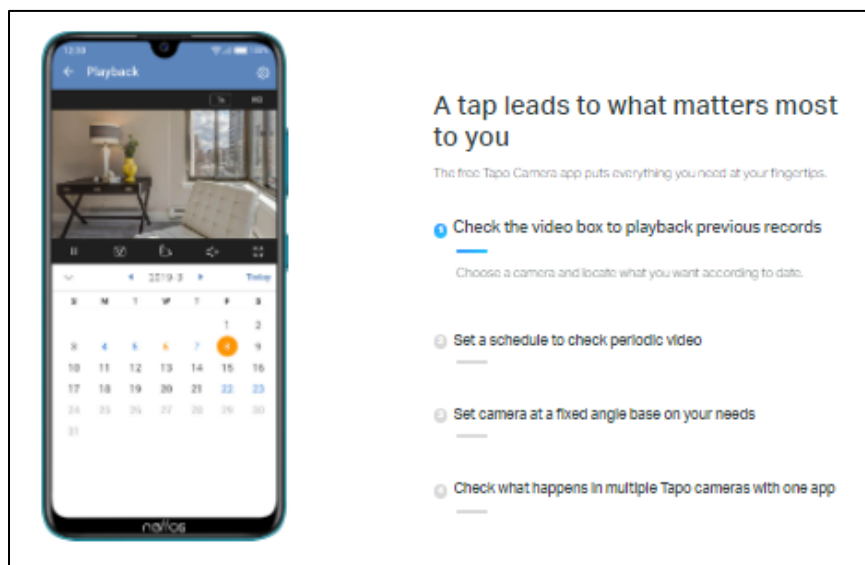
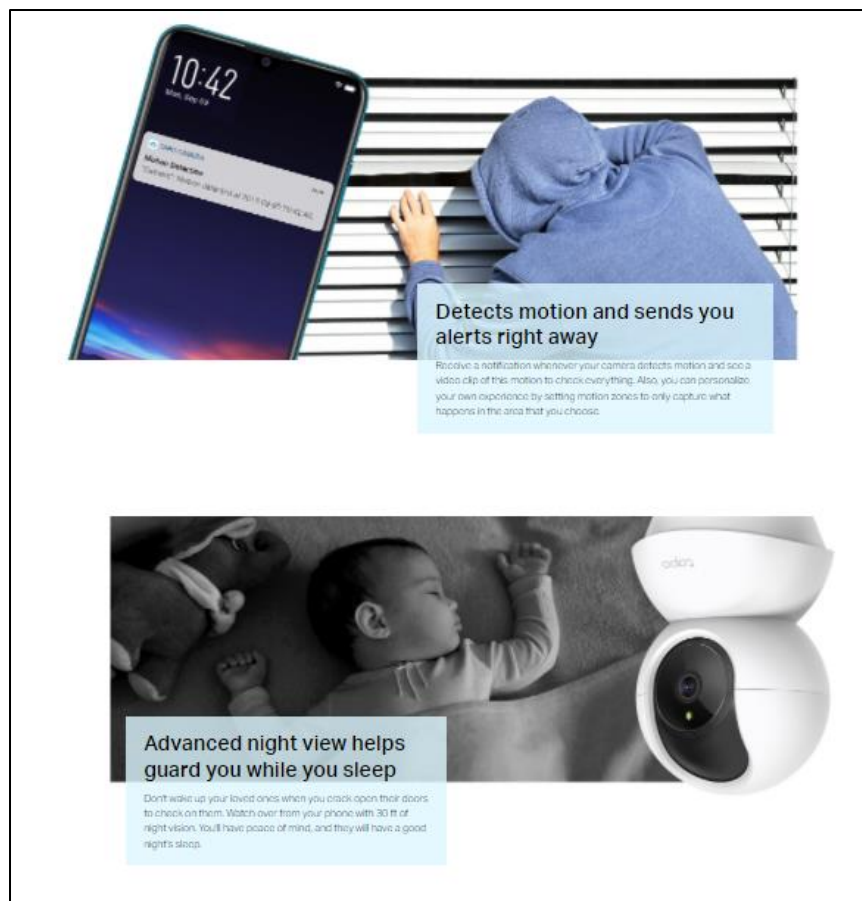
270. A processor coupled to the camera is configured to enable a Privacy Zone (i.e., “adjust an allowed image capture area”) such that at least a portion includes a masked area (i.e., “a portion of the background”) is removed from the digital video.



- Block/Privacy Zone - Set customised block zones to keep certain spaces from being recorded, so you never need to worry about personal moments being leaked. Filter out any personal spaces, like your bed, and only record areas that require monitoring such as doorways and windows to ensure your privacy remains just that private. Currently, a camera can add up to 4 block areas

<https://www.tapo.com/au/faq/138>; and <https://www.tapo.com/us/tapocare/>.

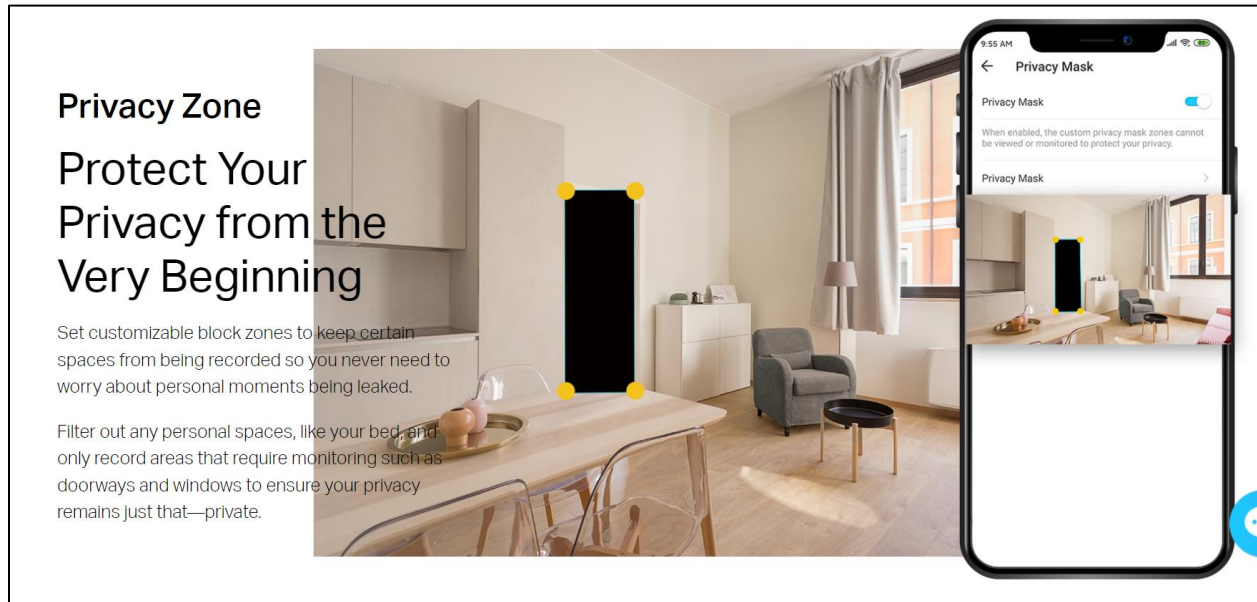
271. TP-Link’s system includes a transmitter operatively coupled to the processor and configured to transmit the video or photo image with the Privacy Zone over the wireless connection to the phone using the Tapo App.



<https://www.tapo.com/us/product/smart-camera/tapo-c200/#tapo-product-overview>

272. TP-Link presents a preview image (i.e., “a verification image”) on a

cell phone via the Tapo App (“display device”) to provide a visual verification as to where the privacy zone will appear (i.e., “what the transmitted adjusted digital video or photo image looks like”) in the captured video or photo.



<https://www.tapo.com/us/tapocare/>

273. TP-Link has used and tested the Accused Products in the United States.

274. TP-Link thus has infringed and continues to infringe the '155 Patent.

275. TP-Link’s activities were without authority of license under the '155 Patent.

276. TP-Link’s users, customers, agents and/or other third parties (collectively, “third-party infringers”) infringed and continue to infringe the asserted claims including under 35 U.S.C. § 271(a) by using the TP-Link Accused Products according to their normal and intended use.

277. TP-Link has, since at least as early as March 23, 2022, known or been willfully blind to the fact that the third-party infringers' use of the TP-Link Accused Products directly infringes the '155 Patent.

278. TP-Link's knowledge of the '155 Patent, which covers operating the TP-Link Accused Products in their intended manner such that all limitations of the asserted claims of the '155 Patent are met, extends to its knowledge that the third-party infringers' use of the TP-Link Accused Products directly infringes the '155 Patent, or, at the very least, rendered TP-Link willfully blind to such infringement.

279. Without knowledge of or willful blindness to the fact that the third-party infringers' use of the TP-Link Accused Products in their intended manner such that all limitations of the asserted claims of the '155 Patent are met directly infringes the '155 Patent, TP-Link has actively encouraged the third-party infringers to directly infringes the '155 Patent by making, using, testing, selling, offering for sale, importing and/or licensing the accused products by, for example, marketing TP-Link's privacy functions; and providing technical assistance to the third-party infringers during their continued use of TP-Link's Accused Product such as by, for example, publishing instructional information on the TP-Link websites directing and encouraging third-party infringers how to make and use the privacy features of the TP-Link Accused Products.

280. TP-Link induces the third-party infringers to infringe the asserted

claims of the '155 Patent by directing or encouraging them to operate the TP-Link Accused Products which satisfy all limitations of the asserted claims of the '155 Patent. For example, TP-Link advertises and promotes the privacy features of the TP-Link Accused Products and encourages the third-party infringers to operate them in an infringing manner. TP-Link further provides technical assistance directing and instructing third parties how to operate the TP-Link Accused Products by, for example, publishing instructional materials, video, resources, how-to guides, troubleshooting, and user guides.

281. In response, the third-party infringers acquire and operate the TP-Link Accused products in an infringing manner.

282. TP-Link specifically intends to induce, and did induce, the third-party infringers to infringe the asserted claims of the '155 Patent, and TP-Link knew of or was willfully blind to such infringement. TP-Link advised, encouraged, and/or aided the third-party infringers to engage in direct infringement, including through its encouragement, advice, and assistance to the third-party infringers to use the privacy features of the TP-Link Accused Products.

283. Having known or been willfully blind to the fact that the third-party infringers' use of the TP-Link Accused Products in their intended manner such that all limitations of asserted claims of the '155 Patent were met directly infringe the '155 Patent, TP-Link, upon information and belief, actively encouraged and

induced the third-party infringers to directly infringe the '155 Patent by making, using, testing, selling, offering for sale, importing and/or licensing TP-Link Accused Products, and by, for example: marketing the TP-Link Accused Products to the third-party infringers; supporting and managing the third-party infringers' use of the TP-Link Accused Products; and providing technical assistance to the third-party infringers during their continued use of the TP-Link Accused Products by, for example, publishing the following instructional information directing third-party infringers how to make and use the TP-Link Accused Products to infringe the asserted claims of the '155 Patent:

- <https://www.tapo.com/us/tapocare/>
- <https://www.tapo.com/us/product/smart-camera/tapo-c200/#tapo-product-overview>
- <https://www.tapo.com/au/faq/138/>
- <https://www.tapo.com/us/tapocare/>
- <https://www.tapo.com/us/faq/24/>
- <https://www.tapo.com/us/product/smart-camera/tapo-c200/>
- <https://www.tapo.com/us/product/smart-camera/tapo-c200/#tapo-product-setup>; and
- Tapo documentation, frequently asked questions and help guides.

284. Based upon the foregoing facts, among other things, TP-Link has

induced and continues to induce infringement of the asserted claims of the '155 Patent under 35 U.S.C. § 271(b).

285. TP-Link has sold, provided and/or licensed to the third-party infringers and continues to sell, provide and/or license the TP-Link Accused Products that are especially made and adapted—and specifically intended by TP-Link—to be used as components and material parts of the inventions covered by the '155 Patent. For example, the TP-Link Accused Products include privacy features identified above which the third-party infringers used in a manner such that all limitations of the asserted claims are met, and without which the third-party infringers would have been unable to use and avail themselves of the intended functionality of the accused products.

286. TP-Link also knew that the accused products are operated in a manner that practices each asserted claims of the '155 Patent.

287. The privacy features are specially made and adapted to infringe the asserted claims of the '155 Patent.

288. The privacy features are not a staple article or commodity of commerce, and, because the functionality was designed to work with the TP-Link Accused Products solely in a manner that is covered by the '155 Patent, it has no substantial non-infringing use. At least by March 23, 2022, based upon the foregoing facts, TP-Link knew of or was willfully blind to the fact that such

functionality was especially made and adapted for—and was in fact used in—the accused products in a manner that is covered by the '155 Patent.

289. Based upon the foregoing facts, among other things, TP-Link has contributorily infringed and continues to contributorily infringe the asserted claims of the '155 Patent under 35 U.S.C. § 271(c).

290. Upon information and belief, TP-Link's acts of infringement of the '155 Patent continue since notice and since this complaint was filed and are, therefore, carried out with knowledge of the asserted claims of the '155 Patent and how the TP-Link Accused Products infringe them. Rather than take a license to the '155 Patent, TP-Link's ongoing infringing conduct reflects a business decision to "efficiently infringe" the asserted claims and in doing so constitutes willful infringement under the standard of *Halo Elecs., Inc. v. Pulse Elecs., Inc.*, 136 S. Ct. 1923 (2016).

291. TP-Link's acts of direct and indirect infringement have caused and continue to cause damage to MPV for which MPV is entitled to recover damages sustained as a result of TP-Link's infringing acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court, pursuant to 35 U.S.C. § 284.

COUNT 5
INFRINGEMENT OF U.S. PATENT NO. 7,106,333

292. MPV realleges and incorporates by reference the allegations set forth above as if restated verbatim here.

293. MPV is the owner, by assignment, of U.S. Patent No. 7,106,333 titled “Surveillance System.”

294. As the owner of the ’333 Patent, MPV holds all substantial rights in and under the ’333 Patent, including the right to grant licenses, exclude others, and to enforce, sue, and recover damages for past and future infringement.

295. The ’333 Patent is valid, enforceable and was duly issues in full compliance with Title 35 of the United States Code.

296. MPV alleges that TP-Link has infringed, and continues to infringe, the ’333 Patent.

297. TP-Link makes, uses, offers to sell, sells, and/or imports products including indoor, outdoor and doorbell cameras including but not limited to the Tapo C210, Tapo C200, KC410S, KC115, KC411S, NC450, TP-Link TC70, TP-Link C400HP, TL-NC450, TP-Link Wi-Fi Kasa Spot Pan Tilt, TP-Link Kasa Indoor Pan/Tilt, TP-Link Vigi C300HP, Kasa Smart by TP-Link Pan Tilt, TP-Link TL-Sc3430, TP-Link 3MP Turret Network Cameras, TP-Link 360 Surveillance Cameras, TP-Link compatible position-controllable surveillance cameras, and all other similar products (“TP-Link Camera Products”), applications available on

both Android and iOS including the TP-Link branded Kasa app, Kasa Smart app, tpCamera app, Vigi app, TP-Link/Kasa websites and all other similar products which allow users to view playback features (“TP-Link App”), TP-Link video services, TP-Link software, platform and services, and any TP-Link video monitoring services and products (“Video”), sensors including door and window sensors including surface-mounted, recessed, motion sensors, smart contact sensor, and water sensors and all other similar products (“Sensors”), and storage via the cloud (e.g., Kasa Care Subscription Plans) and on TP-Link video recorders and all other similar products (“Storage”) that infringe the ’333 Patent (“TP-Link Accused Products”).

298. TP-Link has directly infringed as least claims 1 and 9 of the ’333 Patent by using (including its own testing), making, selling, offering for sale, licensing, and/or importing into the United States without authority the TP-Link Accused Products.

299. TP-Link has used and tested the TP-Link Accused Products in the United States.

300. TP-Link thus has infringed and continues to infringe the ’333 Patent.

301. TP-Link’s activities were without authority of license under the ’333 Patent.

302. TP-Link’s users, customers, agents and/or other third parties

(collectively, “third-party infringers”) infringed and continue to infringe the asserted claims including under 35 U.S.C. § 271(a) by using the TP-Link Accused Products according to their normal and intended use.

303. The TP-Link Storage and the TP-Link App system provide a signal for controlling the TP-Link Cameras (e.g., Kasa Spot Pan Tilt Camera). The TP-Link Cameras are position-controllable surveillance devices.

Kasa Spot Pan Tilt, 24/7 Recording
2K HD Pan Tilt Smart WiFi Camera | KC410S

Get the full picture of any space in your apartment, dorm or home with the Kasa Spot Pan Tilt.



Set Up Your Camera

Follow the steps below to get started with your new camera.

Step 1. Download Kasa

Get the [Kasa Smart](#) app from the App Store or Google Play, or by scanning the QR code below.

Step 2. Log In

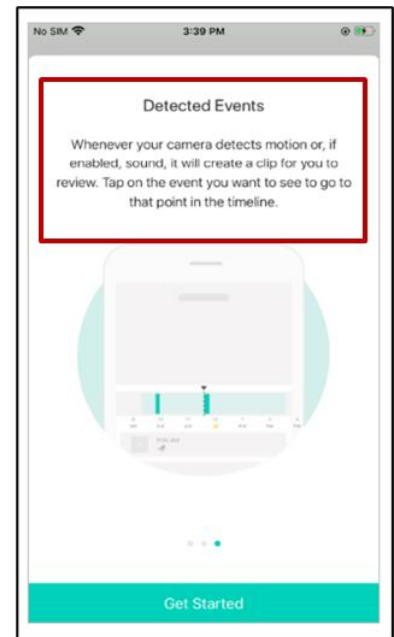
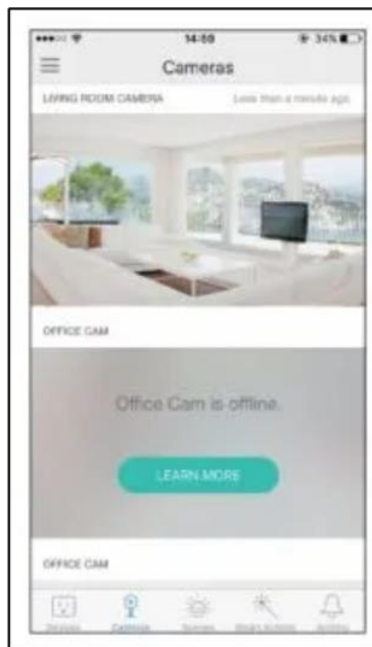
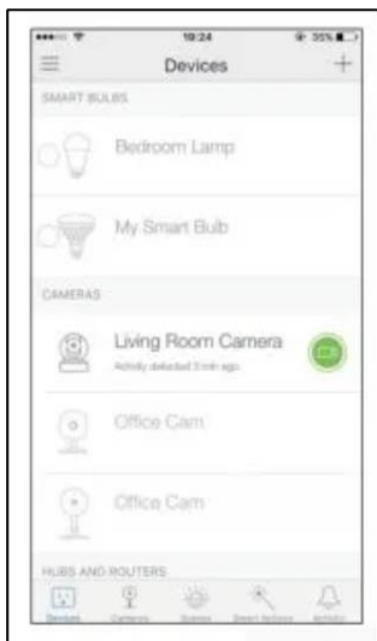
Open the app, and log in with your TP-Link ID. If you don't have an account, create one first.

Step 3. Start Setup

Tap the  button in the Kasa app and select [Cameras > Kasa Spot Pan Tilt](#).

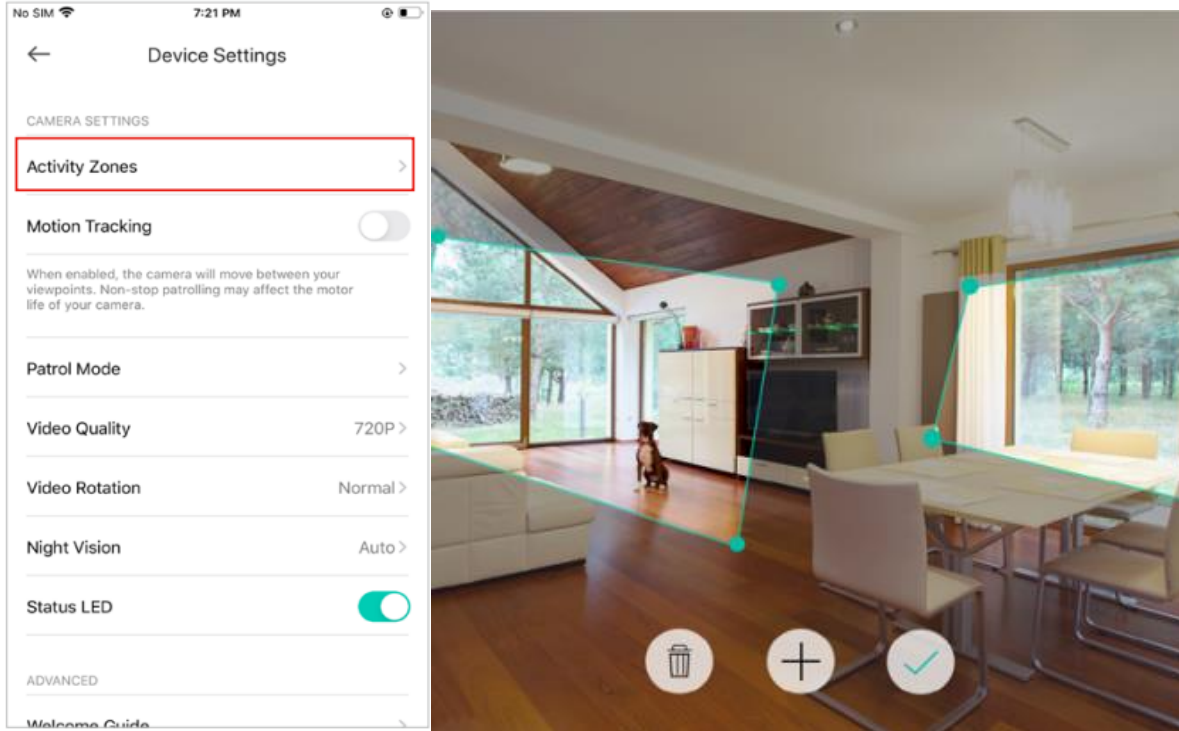
<https://www.kasasmart.com/us/products/security-cameras/kasa-spot-pan-tilt-24-7-recording>

304. The Accused Products include sensors and multiple cameras (e.g., Kasa Spot Pan Tilt camera) configured to detect motion or sound (i.e., predetermined conditions) and generate events (i.e., surveillance data).



[https://static.tp-link.com/manual/2021/202107/20210702/1910012891_EC70\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/manual/2021/202107/20210702/1910012891_EC70(US)_UG_REV1.0.0.pdf)

305. The surveillance data includes data indicating whether activity has occurred within a defined Activity Zone (i.e., position data).



Activity Zones

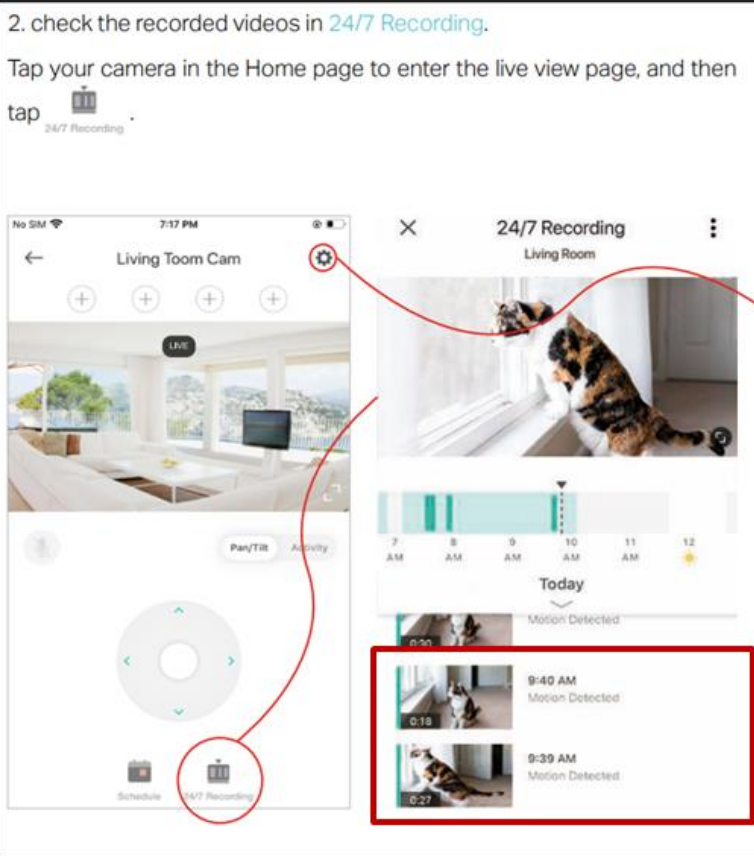
Control what alerts you receive by creating up to 16 custom activity zones, at no charge, around areas that are important to you.

[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

306. Storage including the TP-Link/Kasa cloud servers receive surveillance video from the TP-Link Cameras (e.g., Kasa Spot Pan Tilt) and incorporate it into Kasa cloud Storage (i.e., a surveillance database).

Secure Local and Cloud Storage

Save your footage continuously on a microSD card† or subscribe to a Kasa Care Plan† to store video clips to the cloud.



<https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918>

[KC410S\(US\)_UG_REV1.0.0.pdf](#); and [https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S\(US\)1.0&1.8_Datasheet.pdf](https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S(US)1.0&1.8_Datasheet.pdf).

307. The Kasa Storage cloud retrieves the position data and generates a position control signal in accordance with the position data. The Accused Cameras adjusts its position in response to the signal from the cloud.

You may adjust the corners of your activity zones to make any shape to custom fit the needs of your monitoring zones. When motion occurs inside of your Activity Zones your camera will record and store it in your Activity Center, and you will receive a notification (if enabled). You may layer up to 4 different custom activity zones per camera. You may delete individual zones by tapping the trashcan icon.

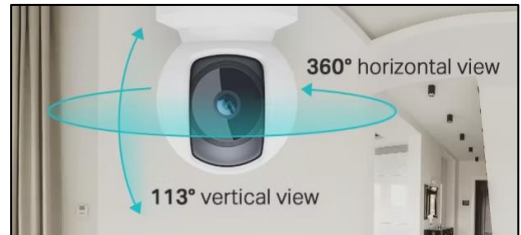
Q7.6: Can I use my Kasa camera anywhere if there is no internet?

You can use the camera or watch the live view without an internet connection, but please ensure both your phone and the camera are connected to the same wireless network.

Note: Motion detection or any other service associated with the TP-Link Cloud will not work if there is no internet access.

- Motion Tracking

When motion is detected, the Kasa Spot Pan Tilt will continue tracking the activity until it has stopped even if is out of the camera's normal view.



- Motion Tracking – When motion activity is detected, Kasa Spot Pan Tilt tracks and follows the subject to keep it within the camera's field of view.

<https://www.kasasmart.com/us/products/security-cameras/kasa-spot-pan-tilt-ec70>.

308. The TP-Link surveillance management system has memory on cloud servers (e.g, Kasa cloud) accessible via the TP-Link apps (e.g, Kasa Smart app).

Secure Local and Cloud Storage

Save your footage continuously on a microSD card[†] or subscribe to a Kasa Care Plan[†] to store video clips to the cloud.

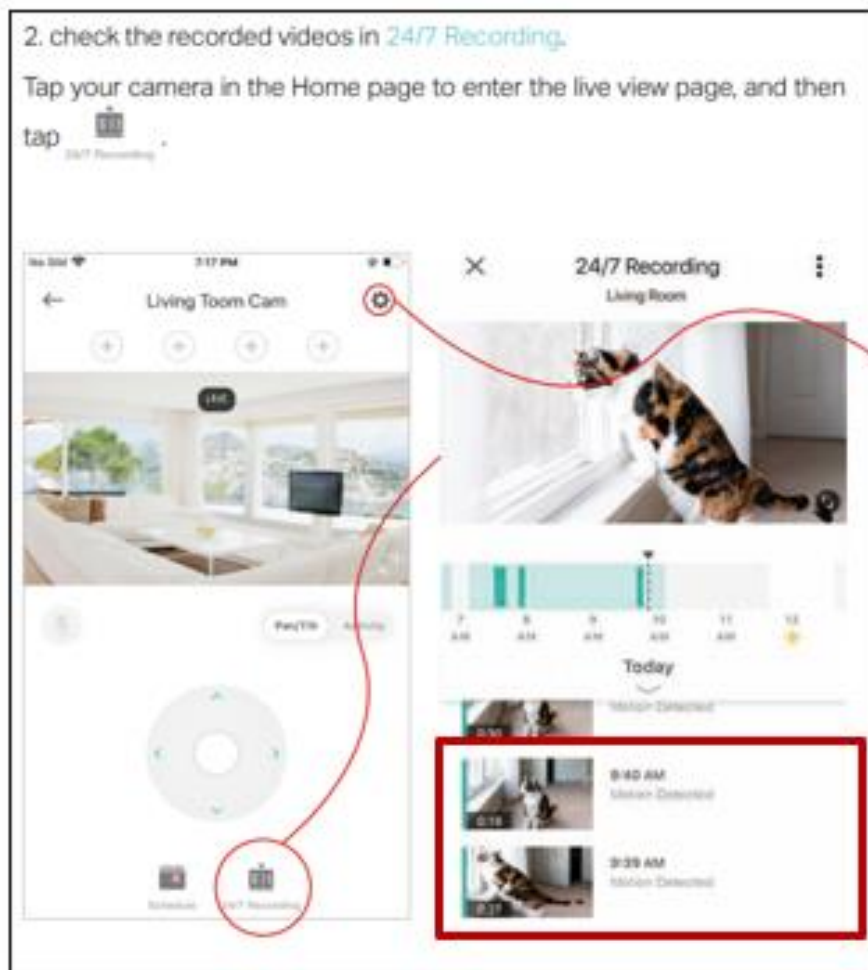
With the Kasa Spot Pan Tilt connected to your home network, you can get the full picture of any space in your apartment, dorm or home. With a 360° horizontal view and 113° vertical view, the Pan Tilt has everything covered. With Motion Tracking and Patrol Mode, track activity from beginning to end and set multiple distinct viewpoints for your camera to monitor at set intervals.

- **Crystal Clear Video** – Sharp and clear 4MP Full HD provides high-quality video right in the palm of your hand.
- **Pan and Tilt** – Swipe up, down, left and right on your phone to rotate and set the camera's point of view.
- **Motion Tracking** – When motion activity is detected, Kasa Spot Pan Tilt tracks and follows the subject to keep it within the camera's field of view.
- **Cloud Storage Plans** – Upgrade your Kasa Care subscription plan and enjoy video recordings for up to 30 days.
- **Patrol Mode** – Set 4 distinct viewpoints and program your pan tilt camera to keep an eye on each region at intervals of your choosing.
- **Night Vision** – Even in the dark, the camera has Night Vision up to 30 feet. Never miss a thing at night and still get the same high-quality video you're used to.
- **Instant Activity Alerts** – No need to check your Kasa Spot Pan Tilt throughout the day. Get automatic alerts when it detects motion. Take quick action when you see your pet on the couch, a roommate walking through your room, or an intruder enter your front door.
- **Two-Way Audio** - Use crisp two-way audio to communicate with nosy roommates, family or even mischievous pets.
- **Activity Zones** - Control what alerts you receive by creating up to 16 custom activity zones, at no charge, around areas that are important to you.
- **24/7 Recording** - Support continuous video recording with a SD card inserted to your Kasa Spot Pan Tilt.

<https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918>

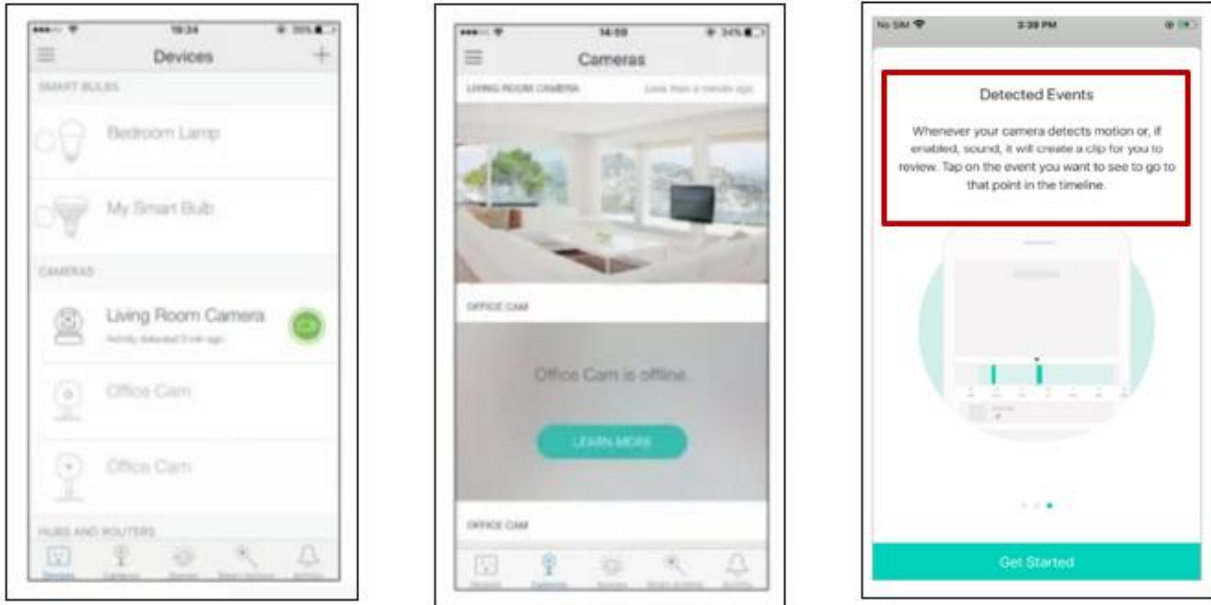
[_KC410S\(US\)_UG_REV1.0.0.pdf](#); and [https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S\(US\)1.0&1.8_Datasheet.pdf](https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S(US)1.0&1.8_Datasheet.pdf).

309. The TP-Link cloud includes a surveillance database to receive surveillance video from the TP-Link cameras (e.g., Kasa Spot Pan Tilt camera) and incorporate it into cloud storage (i.e., a surveillance database) along with relevant metadata.



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf); and [https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S\(US\)1.0&1.8_Datasheet.pdf](https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S(US)1.0&1.8_Datasheet.pdf).

310. The Kasa Cloud storage stores detected events (i.e., surveillance data) collected by cameras within the home network (i.e., surveillance sensor unit).



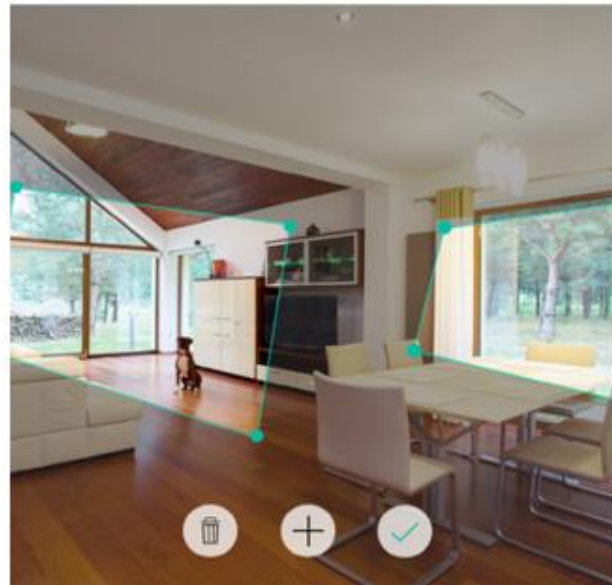
[https://static.tp-link.com/manual/2021/202107/20210702/1910012891_EC70\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/manual/2021/202107/20210702/1910012891_EC70(US)_UG_REV1.0.0.pdf)

311. The Kasa Cloud storage stores surveillance data collected by another camera within the home network including whether activity has occurred within a defined Activity Zone (i.e., position data).



Activity Zones

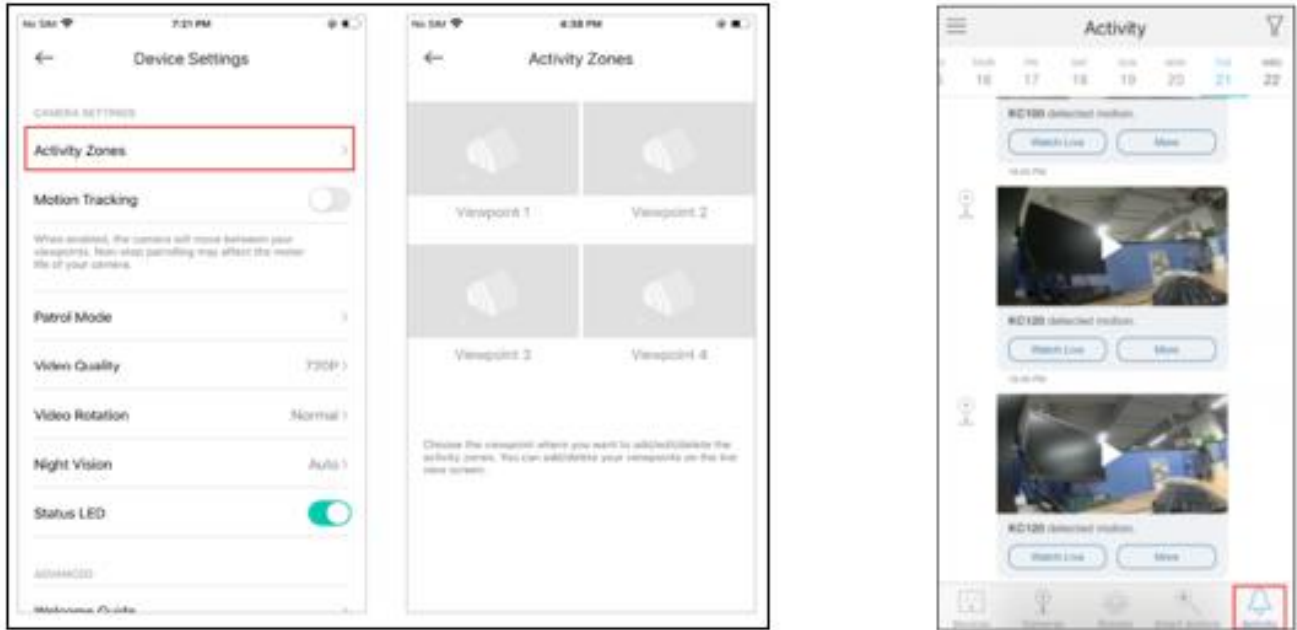
Control what alerts you receive by creating up to 16 custom activity zones, at no charge, around areas that are important to you.



[https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)

312. The Kasa Cloud server (i.e., surveillance server) is associated with TP-Link's cloud storage memory and is configured to receive surveillance data including whether activity has occurred within a defined Activity Zone (i.e., position data) from a device within the home network (i.e., surveillance sensor unit). It generates clips (i.e., surveillance data) displaying the activity in the Activity Zone (i.e., representative of the detected conditions) which are stored in the Activity Center.

You may adjust the corners of your activity zones to make any shape to custom fit the needs of your monitoring zones. When motion occurs inside of your Activity Zones your camera will record and store it in your Activity Center, and you will receive a notification (if enabled). You may layer up to 4 different custom activity zones per camera. You may delete individual zones by tapping the trashcan icon.



<https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918>

[_KC410S\(US\)_UG_REV1.0.0.pdf](#); and <https://www.tp-link.com/us/support/faq/1951/>.

313. The Kasa Cloud server generates a position control signal in accordance with the position data. The Kasa camera adjusts its position in response to the signal from the Cloud.

You may adjust the corners of your activity zones to make any shape to custom fit the needs of your monitoring zones. When motion occurs inside of your Activity Zones your camera will record and store it in your Activity Center, and you will receive a notification (if enabled). You may layer up to 4 different custom activity zones per camera. You may delete individual zones by tapping the trashcan icon.

Q7.6: Can I use my Kasa camera anywhere if there is no internet?

You can use the camera or watch the live view without an internet connection, but please ensure both your phone and the camera are connected to the same wireless network.

Note: Motion detection or any other service associated with the TP-Link Cloud will not work if there is no internet access.

- Motion Tracking

When motion is detected, the Kasa Spot Pan Tilt will continue tracking the activity until it has stopped even if is out of the camera's normal view.



- Motion Tracking – When motion activity is detected, Kasa Spot Pan Tilt tracks and follows the subject to keep it within the camera's field of view.

<https://www.tp-link.com/us/support/faq/1951/>; <https://www.tp-link.com/us/support/faq/1959/>; and <https://www.kasasmart.com/us/products/security-cameras/kasa-spot-pan-tilt-ec70>.

314. TP-Link has used and tested the Accused Products in the United States.

315. TP-Link thus has infringed and continues to infringe the '333 Patent.

316. TP-Link's activities were without authority of license under the '333 Patent.

317. TP-Link's users, customers, agents and/or other third parties (collectively, "third-party infringers") infringed and continue to infringe the asserted claims including under 35 U.S.C. § 271(a) by using the TP-Link Accused

Products according to their normal and intended use.

318. TP-Link has, since at least as early as March 23, 2022, known or been willfully blind to the fact that the third-party infringers' use of the TP-Link Accused Products directly infringes the '333 Patent.

319. TP-Link's knowledge of the '33 Patent, which covers operating the TP-Link Accused Products in their intended manner such that all limitations of the asserted claims of the '333 Patent are met, extends to its knowledge that the third-party infringers' use of the TP-Link Accused Products directly infringes the '333 Patent, or, at the very least, rendered TP-Link willfully blind to such infringement.

320. Without knowledge of or willful blindness to the fact that the third-party infringers' use of the TP-Link Accused Products in their intended manner such that all limitations of the asserted claims of the '333 Patent are met directly infringes the '333 Patent, TP-Link has actively encouraged the third-party infringers to directly infringes the '333 Patent by making, using, testing, selling, offering for sale, importing and/or licensing the accused products by, for example, marketing TP-Link's Accused Products; and providing technical assistance to the third-party infringers during their continued use of TP-Link's Accused Product such as by, for example, publishing instructional information on the TP-Link websites directing and encouraging third-party infringers how to make and use the features of the TP-Link Accused Products.

321. TP-Link induces the third-party infringers to infringe the asserted claims of the '333 Patent by directing or encouraging them to operate the TP-Link Accused Products which satisfy all limitations of the asserted claims of the '333 Patent. For example, TP-Link advertises and promotes the surveillance features of the TP-Link Accused Products and encourages the third-party infringers to operate them in an infringing manner. TP-Link further provides technical assistance directing and instructing third parties how to operate the TP-Link Accused Products by, for example, publishing instructional materials, video, resources, how-to guides, troubleshooting, and user guides.

322. In response, the third-party infringers acquire and operate the TP-Link Accused products in an infringing manner.

323. TP-Link specifically intends to induce, and did induce, the third-party infringers to infringe the asserted claims of the '333 Patent, and TP-Link knew of or was willfully blind to such infringement. TP-Link advised, encouraged, and/or aided the third-party infringers to engage in direct infringement, including through its encouragement, advice, and assistance to the third-party infringers to use the privacy features of the TP-Link Accused Products.

324. Having known or been willfully blind to the fact that the third-party infringers' use of the TP-Link Accused Products in their intended manner such that all limitations of asserted claims of the '333 Patent were met directly infringe the

'333 Patent, TP-Link, upon information and belief, actively encouraged and induced the third-party infringers to directly infringe the '333 Patent by making, using, testing, selling, offering for sale, importing and/or licensing TP-Link Accused Products, and by, for example: marketing the TP-Link Accused Products to the third-party infringers; supporting and managing the third-party infringers' use of the TP-Link Accused Products; and providing technical assistance to the third-party infringers during their continued use of the TP-Link Accused Products by, for example, publishing the following instructional information directing third-party infringers how to make and use the TP-Link Accused Products to infringe the asserted claims of the '333 Patent:

- <https://www.kasasmart.com/us/products/security-cameras/kasa-spot-pan-tilt-24-7-recording>
- [https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S\(US\)1.0&1.8_Datasheet.pdf](https://static.tp-link.com/upload/product-overview/2021/202111/20211105/KC410S(US)1.0&1.8_Datasheet.pdf)
- [https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S\(US\)_UG_REV1.0.0.pdf](https://static.tp-link.com/upload/manual/2021/202108/20210810/1910012918_KC410S(US)_UG_REV1.0.0.pdf)
- [https://www.tp-link.com/us/support/download/;](https://www.tp-link.com/us/support/download/)
- <https://www.tp-link.com/us/support/download/kc100/#video;>

- <https://www.tp-link.com/us/support/faq/819/>;
- <https://www.tp-link.com/us/support/faq/821/>;
- [https://www.tp-link.com/us/search/?q=Cloud+Camera&t=FAQ&s=CATEGORY](https://www.tp-link.com/us/search/?q=Cloud+Camera&t=FAQ&s=CATEGORY;);
- <https://www.tplinkcloud.com/>;
- <https://www.tp-link.com/us/learning-center/>;
- <https://community.tp-link.com/us/home/kb>;
- <https://www.kasasmart.com/us/blog>;
- <https://www.kasasmart.com/us/kasacare>;
- <https://www.kasasmart.com/us>;
- <https://www.tp-link.com/us/support/faq/>;
- <https://www.tp-link.com/us/support/setup-video/>;
- <https://www.tp-link.com/us/support/faq/1959/>; and
- www.tp-link.com help documentation, among others.

325. Based upon the foregoing facts, among other things, TP-Link has induced and continues to induce infringement of the asserted claims of the '333 Patent under 35 U.S.C. § 271(b).

326. TP-Link has sold, provided and/or licensed to the third-party infringers and continues to sell, provide and/or license the TP-Link Accused Products that are especially made and adapted—and specifically intended by TP-

Link—to be used as components and material parts of the inventions covered by the '333 Patent. For example, the TP-Link Accused Products include surveillance features identified above which the third-party infringers used in a manner such that all limitations of the asserted claims are met, and without which the third-party infringers would have been unable to use and avail themselves of the intended functionality of the accused products.

327. TP-Link also knew that the accused products are operated in a manner that practices each asserted claim of the '333 Patent.

328. The accused features are specially made and adapted to infringe the asserted claims of the '333 Patent.

329. The accused features are not a staple article or commodity of commerce, and, because the functionality was designed to work with the TP-Link Accused Products solely in a manner that is covered by the '333 Patent, it has no substantial non-infringing use. At least by March 23, 2022, based upon the foregoing facts, TP-Link knew of or was willfully blind to the fact that such functionality was especially made and adapted for—and was in fact used in—the accused products in a manner that is covered by the '333 Patent.

330. Based upon the foregoing facts, among other things, TP-Link has contributorily infringed and continues to contributorily infringe the asserted claims of the '333 Patent under 35 U.S.C. § 271(c).

331. Upon information and belief, TP-Link's acts of infringement of the '333 Patent continue since notice and since this complaint was filed and are, therefore, carried out with knowledge of the asserted claims of the '333 Patent and how the TP-Link Accused Products infringe them. Rather than take a license to the '333 Patent, TP-Link's ongoing infringing conduct reflects a business decision to "efficiently infringe" the asserted claims and in doing so constitutes willful infringement under the standard of *Halo Elecs., Inc. v. Pulse Elecs., Inc.*, 136 S. Ct. 1923 (2016).

332. TP-Link's acts of direct and indirect infringement have caused and continue to cause damage to MPV for which MPV is entitled to recover damages sustained as a result of TP-Link's infringing acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court, pursuant to 35 U.S.C. § 284.

NOTICE

333. MPV does not currently distribute, sell, offer for sale, or make products embodying the Asserted Patents.

334. TP-Link had notice of infringement of the '452, '345, '061, '155, and '333 Patents since at least as early as March 23, 2022.

335. MPV has complied with all notice requirements of 35 U.S.C. § 287.

NOTICE OF REQUIREMENT OF LITIGATION HOLD

336. TP-Link is hereby notified it is legally obligated to locate, preserve, and maintain all records, notes, drawings, documents, data, communications, materials, electronic recordings, audio/video/photographic recordings, and digital files, including edited and unedited or “raw” source material, and other information and tangible things that TP-Link knows, or reasonably should know, may be relevant to actual or potential claims, counterclaims, defenses, and/or damages by any party or potential party in this lawsuit, whether created or residing in hard copy form or in the form of electronically stored information (hereafter collectively referred to as “Potential Evidence”).

337. As used above, the phrase “electronically stored information” includes without limitation: computer files (and file fragments), e-mail (both sent and received, whether internally or externally), information concerning e-mail (including but not limited to logs of e-mail history and usage, header information, and deleted but recoverable e-mails), text files (including drafts, revisions, and active or deleted word processing documents), instant messages, audio recordings and files, video footage and files, audio files, photographic footage and files, spreadsheets, databases, calendars, telephone logs, contact manager information, internet usage files, and all other information created, received, or maintained on any and all electronic and/or digital forms, sources and media, including, without

limitation, any and all hard disks, removable media, peripheral computer or electronic storage devices, laptop computers, mobile phones, personal data assistant devices, Blackberry devices, iPhones, video cameras and still cameras, and any and all other locations where electronic data is stored. These sources may also include any personal electronic, digital, and storage devices of any and all of TP-Link's agents, resellers, distributors or employees if TP-Link's electronically stored information resides there.

338. TP-Link is hereby further notified and forewarned that any alteration, destruction, negligent loss, or unavailability, by act or omission, of any Potential Evidence may result in damages or a legal presumption by the Court and/or jury that the Potential Evidence is not favorable to TP-Link's claims and/or defenses. To avoid such a result, TP-Link's preservation duties include, but are not limited to, the requirement that TP-Link immediately notify its agents, distributors, and employees to halt and/or supervise the auto-delete functions of TP-Link's electronic systems and refrain from deleting Potential Evidence, either manually or through a policy of periodic deletion.

JURY DEMAND

MPV hereby demands a trial by jury on all claims, issues, and damages so triable.

PRAYER FOR RELIEF

MPV prays for the following relief:

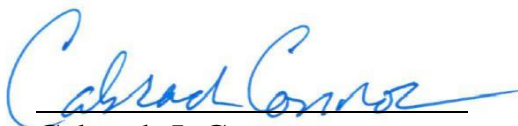
- a. That TP-Link be summoned to appear and answer;

- b. That the Court enter judgment that TP-Link has infringed the '452, '345, '061, '155, and '333 Patents.
- c. That the Court grant MPV judgment against TP-Link for all actual, consequential, special, punitive, increased, and/or statutory damages, including, if necessary, an accounting of all damages; pre- and post-judgment interest as allowed by law; and reasonable attorney's fees, costs, and expenses incurred in this action;
- d. That TP-Link's infringement be found to have been willful;
- e. That this case be found to be exceptional under 35 U.S.C. § 285; and
- f. That MPV be granted such other and further relief as the Court may deem just and proper under the circumstances.

Dated: December 1, 2022

Respectfully submitted,

CONNOR LEE & SHUMAKER PLLC

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