

**IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE**

ROTHSCHILD PATENT IMAGING LLC,	§	
	§	
Plaintiff,	§	Case No:
	§	
vs.	§	PATENT CASE
	§	
3D ROBOTICS, INC.	§	
	§	
Defendant.	§	
	§	

**COMPLAINT**

Plaintiff Rothschild Patent Imaging LLC (“Plaintiff” or “RPI”) files this original Complaint against 3D Robotics, Inc. (“Defendant” or “3D Robotics”) for infringement of United States Patent No. 8,437,797 (“the ‘797 Patent”) and United States Patent No. 8,204,437 (“the ‘437 Patent”).

**PARTIES AND JURISDICTION**

1. This is an action for patent infringement under Title 35 of the United States Code. Plaintiff is seeking injunctive relief as well as damages.
2. Jurisdiction is proper in this Court pursuant to 28 U.S.C. §§ 1331 (Federal Question) and 1338(a) (Patents) because this is a civil action for patent infringement arising under the United States patent statutes.
3. Plaintiff is a Texas limited liability company having an office with an address at 1400 Preston Rd., Suite 400, Plano, TX 75093.
4. On information and belief, Defendant is a Delaware corporation, with its principal place of business at 1608 Fourth St., Berkeley, CA 94710.
5. On information and belief, this Court has personal jurisdiction over Defendant

because Defendant has committed, and continues to commit, acts of infringement in this District, has conducted business in this District, and/or has engaged in continuous and systematic activities in this District.

6. On information and belief, Defendant's instrumentalities that are alleged herein to infringe were and continue to be used, imported, offered for sale, and/or sold in this District.

#### VENUE

7. Venue is proper in this District pursuant to 28 U.S.C. § 1400(b) because Defendant is deemed to reside in this district as it is a Delaware corporation.

#### COUNT I **(INFRINGEMENT OF UNITED STATES PATENT NO 8,437,797)**

8. Plaintiff incorporates paragraphs 1-7 herein by reference.

9. This cause of action arises under the patent laws of the United States and, in particular, under 35 U.S.C. §§ 271, et seq.

10. Plaintiff is the owner by assignment of the '797 Patent with sole rights to enforce the '797 Patent and sue infringers.


11. A copy of the '797 Patent, titled "Wireless Image Distribution System and Method," is attached hereto as Exhibit A.

12. The '797 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

13. Upon information and belief, Defendant has infringed and continues to infringe one or more claims (at least by having its employees, or someone under Defendant's control, test the accused product), including at least Claims 6 and 7 of the '797 Patent by making, using, importing, selling, and/or offering for wireless drone cameras covered by at least Claims 6 and 7 of the '797 Patent.

14. On information and belief, Defendant sells, offers to sell, and/or uses wireless drone cameras, including, without limitation, the Site Scan Drone and Site Scan App, and any similar devices (“Product”), which infringe at least Claims 6 and 7 of the ‘797 Patent.

15. Regarding Claim 6, the Product is an image-capturing mobile device (e.g., a drone with a camera attachment), which includes a wireless receiver (e.g., a Wi-Fi receiver) and a wireless transmitter (e.g., a Wi-Fi transmitter). On information and belief, the Product receives instructions from a user’s smartphone via Wi-Fi utilizing a wireless receiver present on the Product and sends captured images to a user’s smartphone via Wi-Fi utilizing a wireless transmitter present on the Product. Certain limitations of the foregoing element are illustrated in the screenshots below.



### Site Scan Drone

**FLIGHT TIME**  
16 minutes with payload

**COMMUNICATION RANGE**  
3000 ft or greater (>1 km)

**MAX SPEED**  
25 mph (40 km/h)

**MAX RATE CLIMB**  
4 m/s in stabilize mode

**MAX ALTITUDE**  
400 ft (122 m) per FAA regulation

**DIMENSION**  
10 in tall (25 cm) / 18 in (46 cm) motor-to-motor

**WEIGHT**  
4.4 lbs (1.99 kg) w. Sony R10C

**COMMUNICATION**  
3DR Link secure WiFi network

**FREQUENCY**  
2.4 GHz

**PROPELLERS**  
10" (24 cm) diameter / self tightening

**MOTORS**  
880 kV

**AUTOPILOT**  
Pixhawk 2

**SOFTWARE**  
APM:Copter

**FLIGHT BATTERY**  
Lithium polymer 5200 mAh, 14.8 Vdc

**BATTERY CHARGE TIME**  
~1.5 hours

**CONTROLLER BATTERY**  
Lithium ion 2600 mAh, 7.2 Vdc

### Site Scan App

- Plan and manage missions/ jobs in the field
- Control and fly Solo drone
- Select resolution of surveys and scans
- Monitor historical change while in the field
- Automatically geotag for enhanced model precision
- Publish imagery from 3DR & Autodesk clouds

### 3DR Cloud

- Unlimited data storage
- Unlimited 2D map and 3D model creation
- Easy access to models from Autodesk® software
- Full data sharing with stakeholders

### Camera

**SONY R10C**

**SENSOR:** CMOS  
**SIZE:** APS-C  
**RESOLUTION:** 20MP  
**FOCUS MODE:** Autofocus  
**ISO SENSITIVITY:** 100-16,000

**LENSES**  
Sony E PZ 16-50mm zoom lens  
Sony E 20mm prime lens



Source : Site Scan user manual.pdf



### Site Scan Drone

**FLIGHT TIME**  
16 minutes with payload

**COMMUNICATION RANGE**  
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### Camera

**SONY R10C**

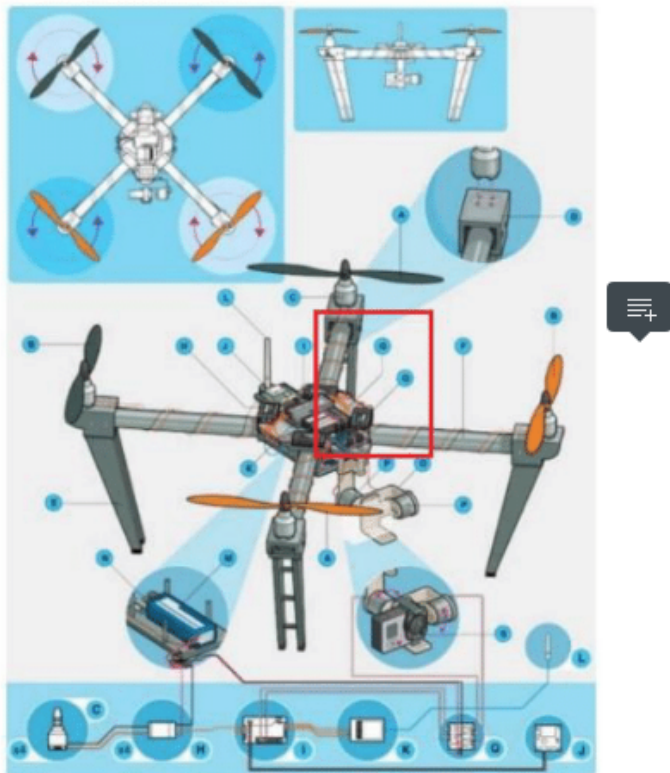
**SENSOR:** CMOS  
**SIZE:** APS-C  
**RESOLUTION:** 20MP  
**FOCUS MODE:** Autofocus  
**ISO SENSITIVITY:** 100-16,000

**LENSES**  
Sony E PZ 16-50mm zoom lens  
Sony E 20mm prime lens



Source : Site Scan user manual.pdf

16. The Product includes a processor connected to the wireless receiver and transmitter. For example, the Product must have a processor connected to a Wi-Fi module in order to capture and send images to a user's smartphone. Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.



<https://www.dronezon.com/learn-about-drones-quadcopters/drone-components-parts-overview-with-tips/>

### G. Main Drone Body Part

This is the central hub from which booms radiate like spokes on a wheel. It houses battery, main boards, processors, avionics, cameras, and sensors.

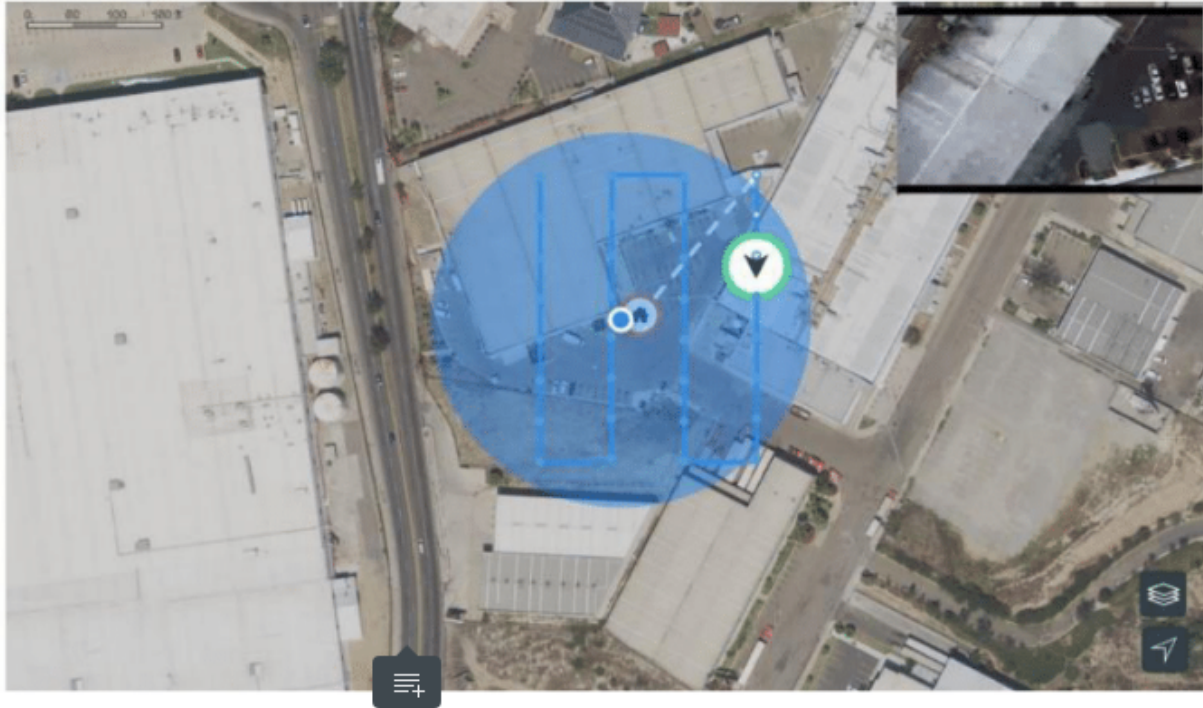
**Tip:** Most drones are not waterproof so it is vital that the internal components of the main body do not get wet. A hard landing may not break the body of the drone but the shock could damage the internal drone components in the main body.

**Tip:** If you are not familiar with electronic engineering and soldering, then it is best not to learn on your internal components such as the main board in your drone. More than likely soldering something inside your main body will void your warranty. A warranty generally covers the UAV as it left the factory.



<https://www.dronezon.com/learn-about-drones-quadcopters/drone-components-parts-overview-with-tips/>

Slide the ball to the right to takeoff. Solo will takeoff and climb to the desired altitude. The camera will point nadir once it reaches this altitude.



Source : Site Scan user manual.pdf

On the technical side, the Solo now features a 1 GHz ARM Cortex A9 processor in the drone as well as an identical processor in the controller. The Solo also features 3DR's new Pixhawk 2 autopilot, but because a lot of the computation now happens on the processor, the autopilot doesn't actually have all that much to do until the user asks it to kick in or something goes wrong. When the computer has to reboot for some reason, for example, the autopilot can keep it in place or — in case the computer doesn't boot up again — fly the drone back to its launch point.

<https://techcrunch.com/2015/04/13/the-3d-robotics-solo/>

17. The processor is configured to receive a plurality of photographic images. For example, the Product's camera assembly is able to capture digital images, record video, and capture still image frames from video. Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

## Site Scan

[View More by This Developer](#)

By 3D Robotics

This app is only available on the App Store for iOS devices.



### Description

Site Scan is a cloud-connected mobile app that makes it easy to collect accurate, high-resolution maps and models using either 3DR or DJI drones. Site Scan automatically calculates and executes flight plans, pushes data to the cloud for analysis and sharing, and integrates seamlessly with Autodesk desktop tools.

#### Compatibility:

- Requires compatible hardware: 3DR Site Scan drone or DJI Phantom 4 Pro
- Requires Site Scan account subscription for operation and cloud processing

For further information and pricing, please reach out at [3dr.com/enterprise/contact](http://3dr.com/enterprise/contact).

#### Key features:

- Simple and intuitive flight planning
- 4 autonomous flight modes designed for optimal data capture—no piloting experience needed
- Automated pre-flight safety checks
- Understand the details of your flight before taking off, including area size, approximate resolution, and the number of photos to be taken
- Transfer data wirelessly from the camera to your iPad
- Easily upload data to 3DR Cloud for processing and review
- Generates high accuracy maps and models

Free

Category: Business

Updated: Nov 07, 2017

Version: 2.0.2

Size: 214 MB

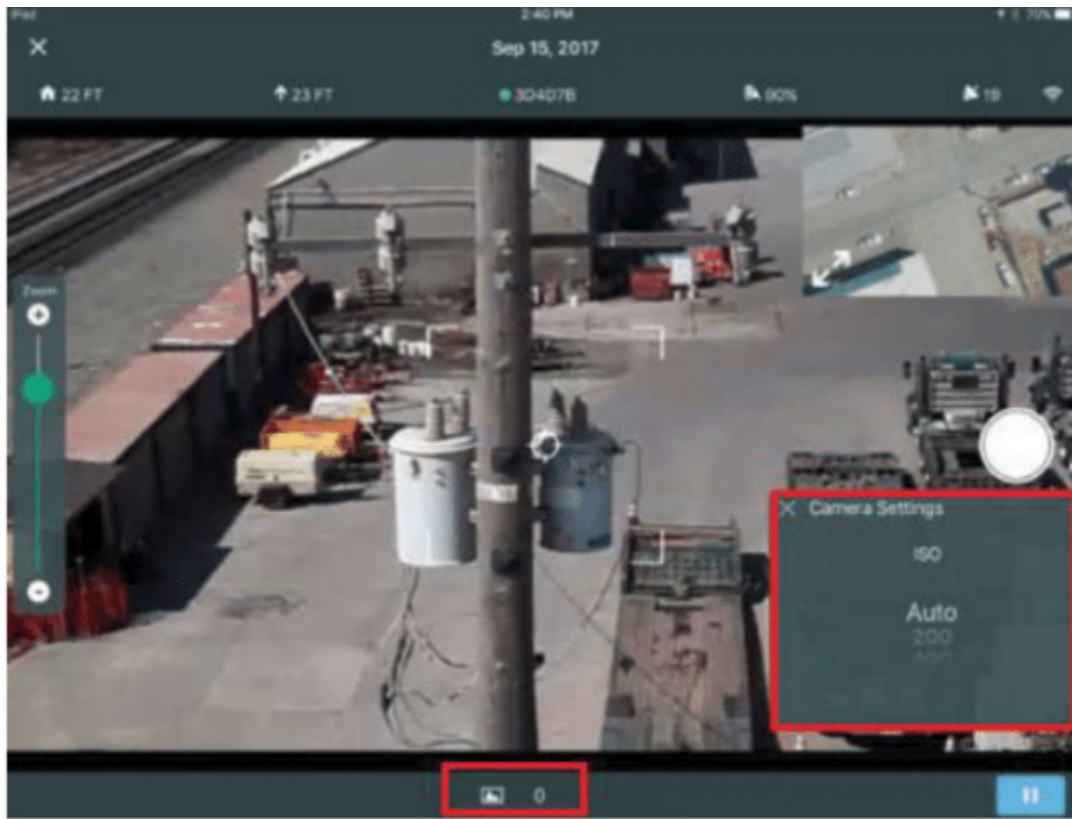
Language: English

Seller: 3D Robotics Inc.

© 3D Robotics, Inc. 2017

Rated 4+

<https://itunes.apple.com/us/app/site-scan/id1113156576?mt=8>

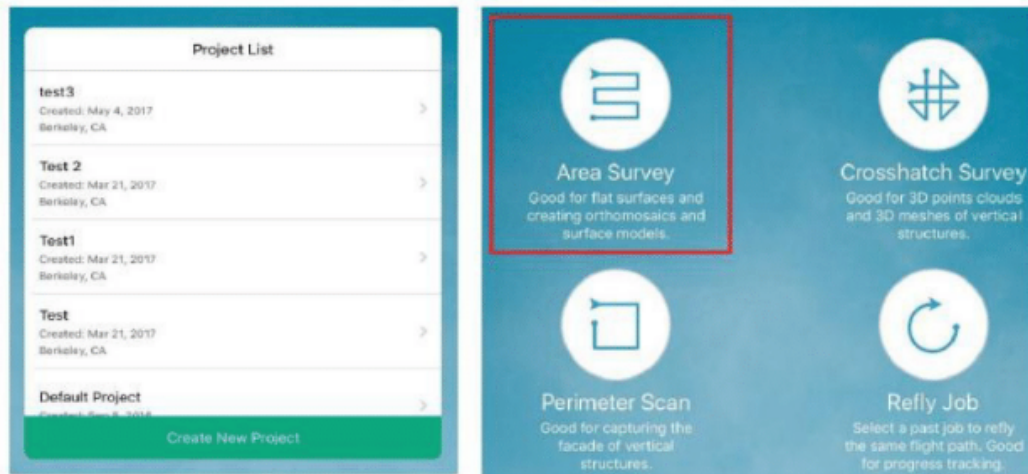


<https://itunes.apple.com/us/app/site-scan/id1113156576?mt=8>



18. The processor filters the images using a transfer criterion. For example, the Product filters the plurality of photographic images (e.g., images captured by the Product during a variety of completed surveys) using a transfer criterion (e.g., a user can select to download images from a particular survey of their choosing). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

Site Scan Field has 3 different kinds of surveys you can perform. Each of them serves a specific purpose, for example, if you're interested in capturing the differences in elevation along your site for a Point cloud or to create a DEM, flying a Crosshatch survey would be the best options. Similarly if you're interested in a bi-dimensional representation of the site through an ortho for CAD overlaying or to measure horizontal distances, Area survey would be better. There are more use cases and advantages to each but for this example we'll be choosing "Area Survey".



Source : Site Scan user manual.pdf

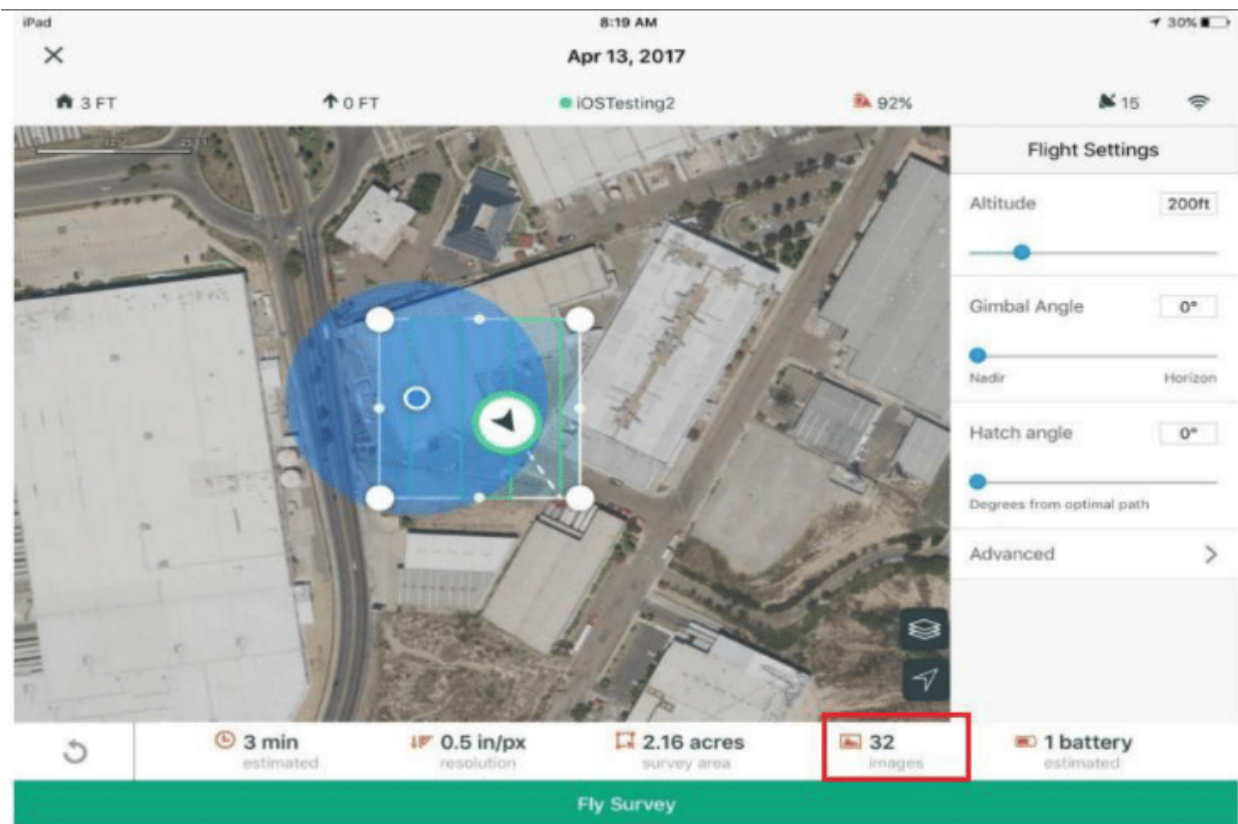
When on this screen, a box will be automatically created displaying the area of the survey. You can drag each of the 4 corners to move the vertices around and place the survey box over the area of interest.

Statistics on the bottom show how long the mission is expected to take, the estimated ground sampling distance of the photos, the acreage, and the number of photos expected to be taken.

Tap and hold the corners to move the vertices around. You can create new vertices by grabbing the small circles in between each vertex. On the bottom of the screen is an undo button.

To begin flying the planned survey, hit the green "Fly Survey" on the bottom of the screen. This will introduce a checklist while the system goes through and makes sure the aircraft is ready to fly.

Source : Site Scan user manual.pdf

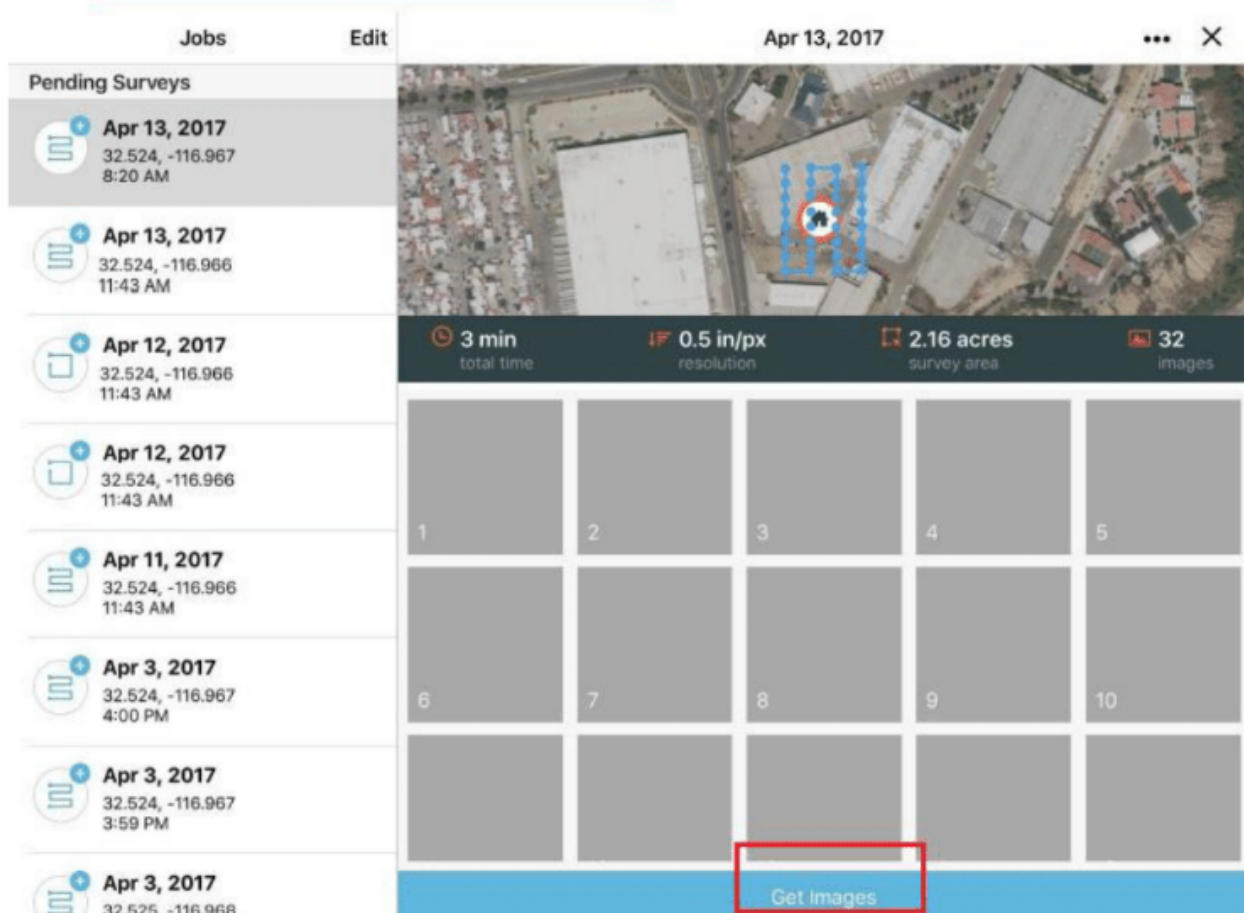


Source : Site Scan user manual.pdf



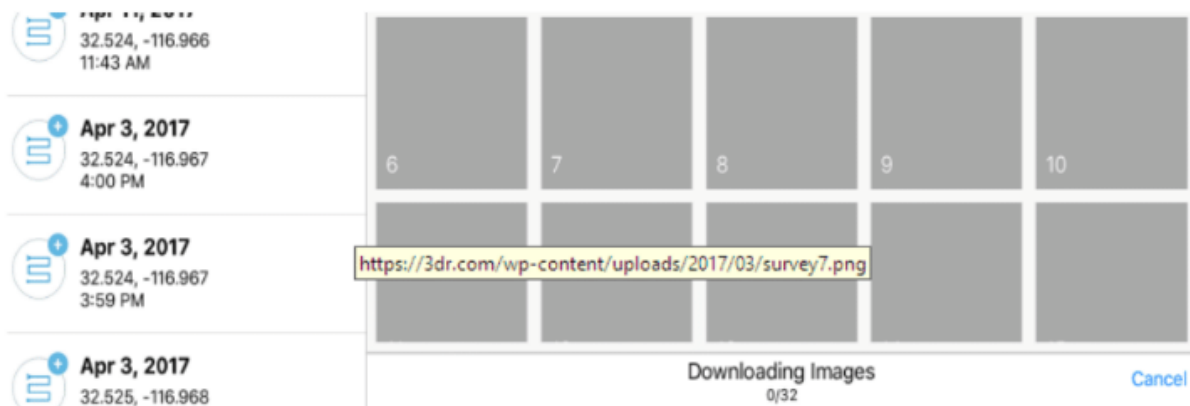
Source : Site Scan user manual.pdf

4.1. Retrieving and uploading images after a Survey



Source : Site Scan user manual.pdf

To wirelessly retrieve the images from the camera, press the blue "Get Images" button at the bottom. It'll display the number of images it has retrieved as it starts displaying the images on each numbered box.



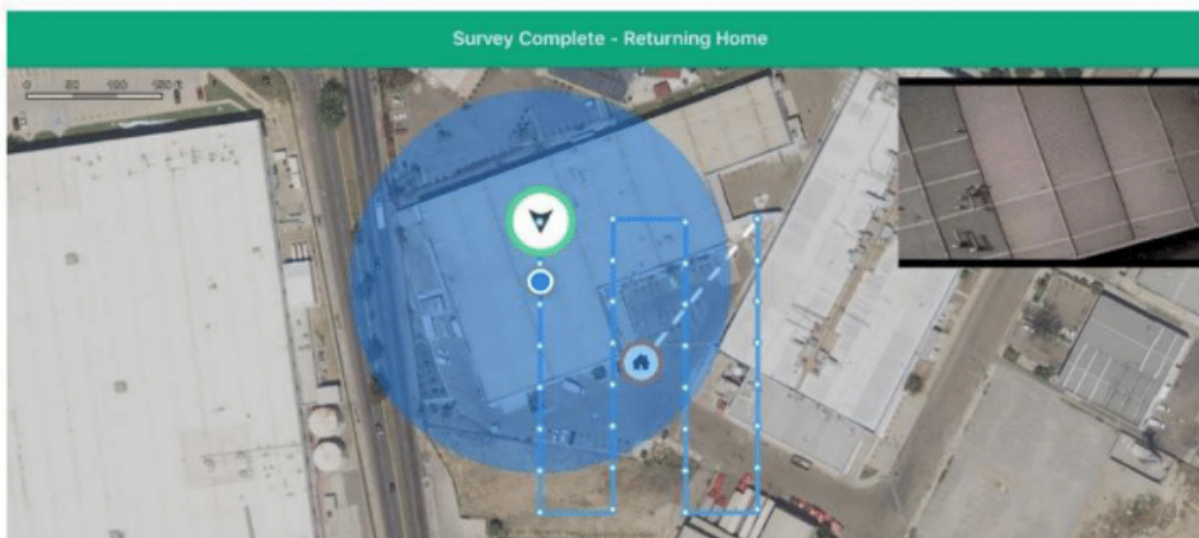
Source : Site Scan user manual.pdf

19. The processor, in conjunction with the wireless transmitter, sends the filtered

images (e.g., the snapshot images selected by the user) to a second mobile device (e.g., a smartphone, tablet, etc. having the Site Scan app). For example, the Product transmits, via the wireless transmitter (e.g., the Product's Wi-Fi module) and to a second mobile device (e.g., a smartphone having the Site Scan Application installed), the filtered plurality of photographic images (e.g., images collected during a particular survey that the user selects to download). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

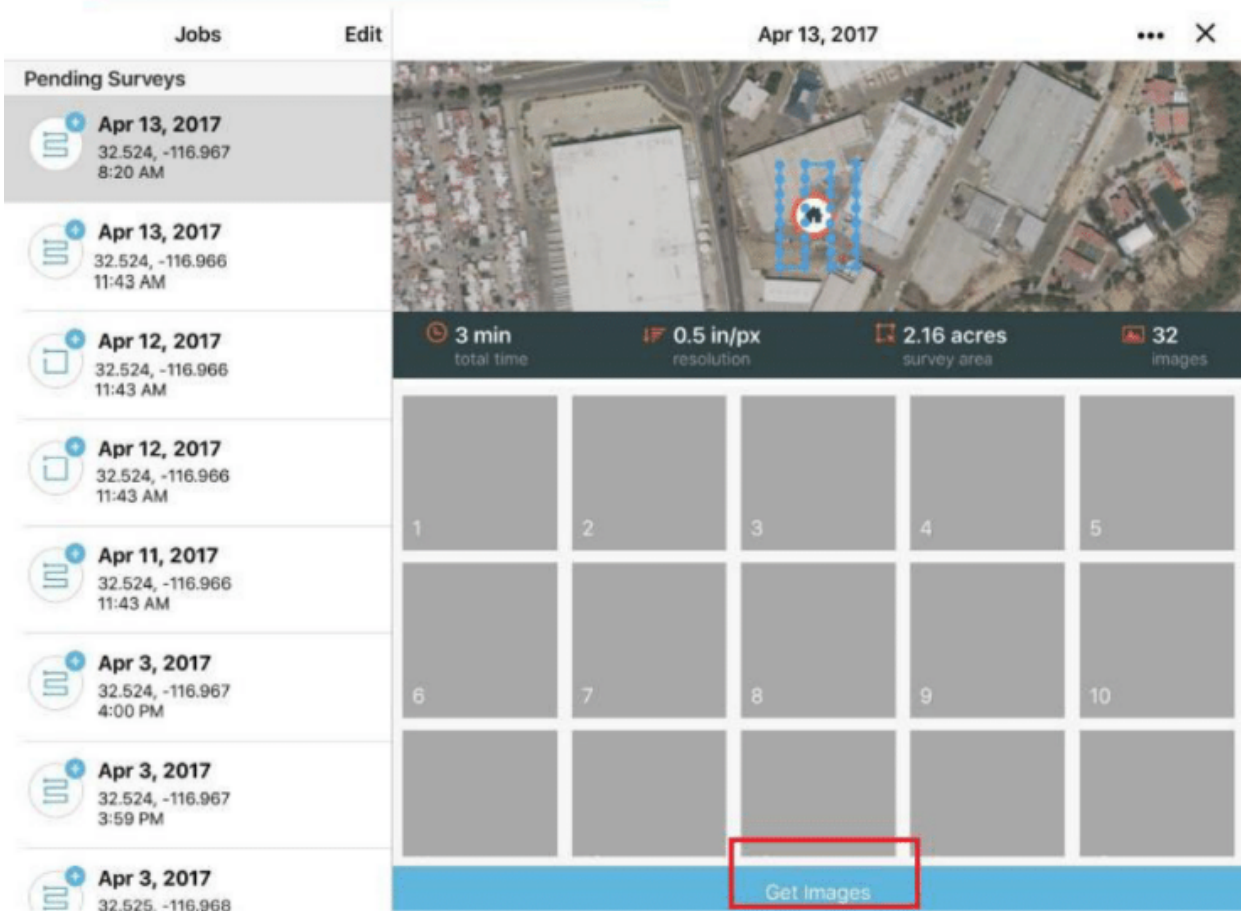
A progress bar on the bottom of the screen indicates the progress of the mission, while the numbers at the bottom shows the number of photos taken vs the number of photos required for the mission.

During flight you can pause the mission by pressing the pause button on the bottom right of the screen.



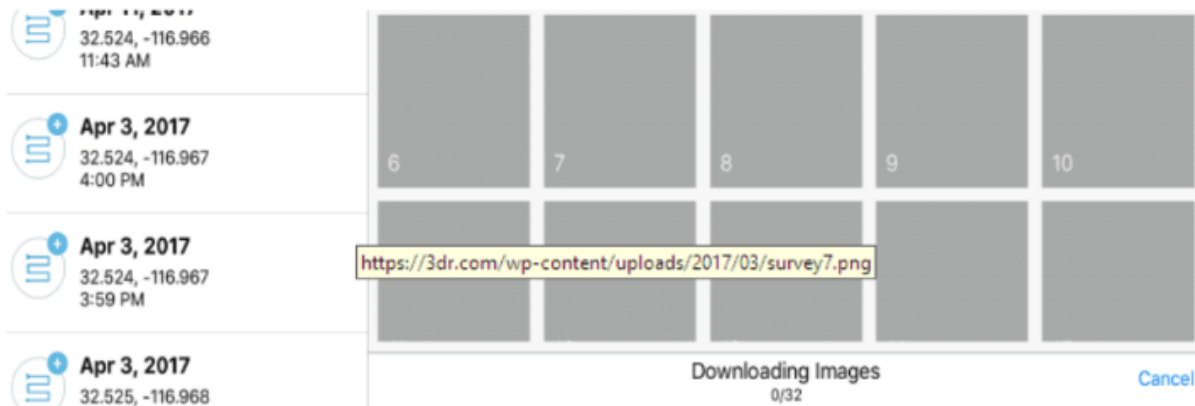
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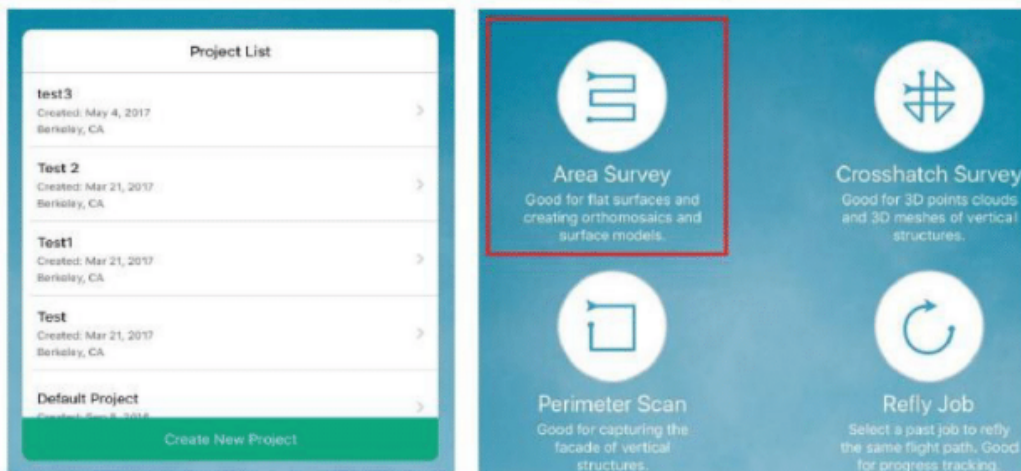


Source : Site Scan user manual.pdf

20. The processor, in conjunction with the wireless receiver, receives the transfer criteria (e.g., the user’s selection of snapshot images and/or the user’s selection of a particular survey to download images from) from the second mobile device (e.g., a smartphone with the Site Scan app installed). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

**4. Surveying with Site Scan Field**

Site Scan Field has 3 different kinds of surveys you can perform. Each of them serves a specific purpose, for example, if you're interested in capturing the differences in elevation along your site for a Point cloud or to create a DEM, flying a Crosshatch survey would be the best options. Similarly if you're interested in a bi-dimensional representation of the site through an ortho for CAD overlaying or to measure horizontal distances, Area survey would be better. There are more use cases and advantages to each but for this example we'll be choosing "Area Survey".



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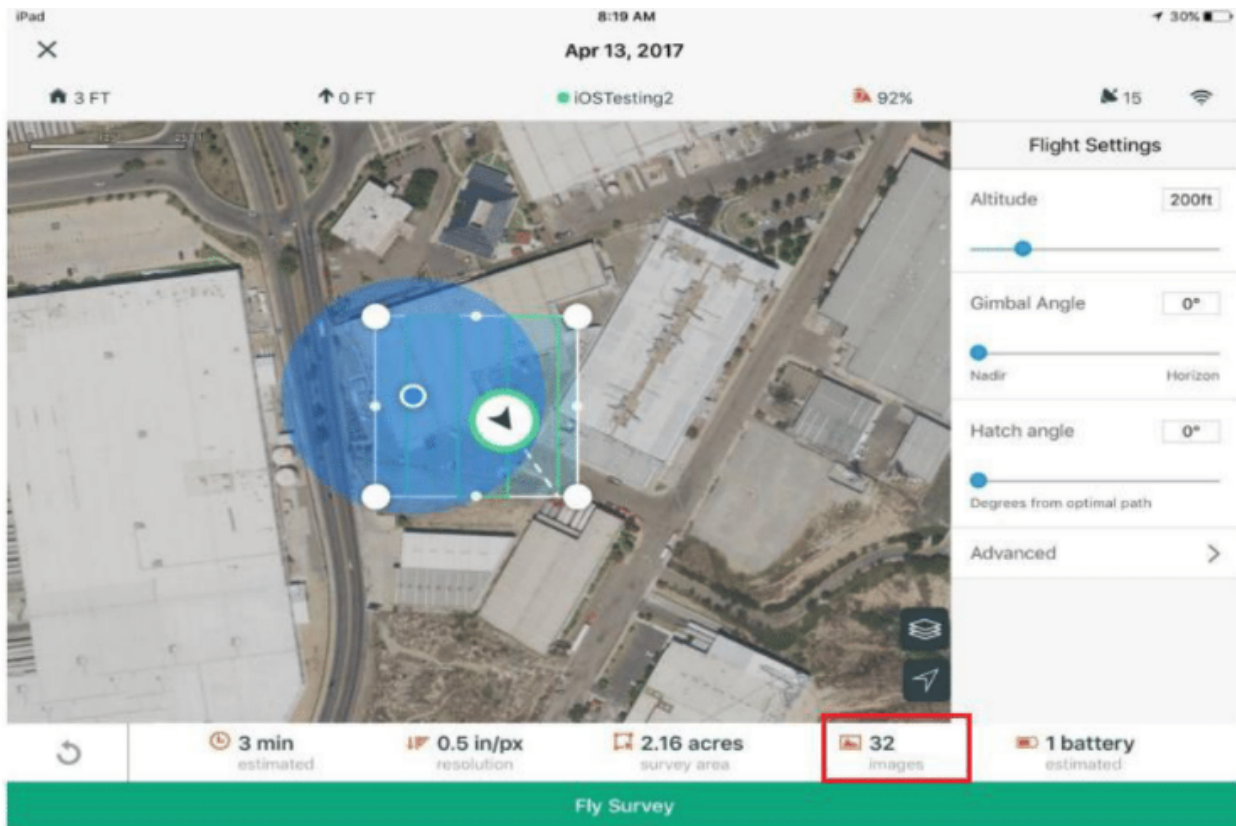
When on this screen, a box will be automatically created displaying the area of the survey. You can drag each of the 4 corners to move the vertices around and place the survey box over the area of interest.

Statistics on the bottom show how long the mission is expected to take, the estimated ground sampling distance of the photos, the acreage, and the number of photos expected to be taken.

Tap and hold the corners to move the vertices around. You can create new vertices by grabbing the small circles in between each vertex. On the bottom of the screen is an undo button.

To begin flying the planned survey, hit the green "Fly Survey" on the bottom of the screen. This will introduce a checklist while the system goes through and makes sure the aircraft is ready to fly.

Source : Site Scan user manual.pdf



Source : Site Scan user manual.pdf





Source : Site Scan user manual.pdf

21. Regarding Claim 7, the transmitting is conditional upon the image-capturing mobile device and the second mobile device meeting a pre-defined pairing criteria. For example, image transmission is conditional upon the image-capturing mobile device (e.g., the Product's camera) and the second mobile device (e.g., a smartphone with the Site Scan app installed) meeting a pre-defined pairing criteria (e.g., both devices are connected over the same Wi-Fi network). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.



### Site Scan Drone

**FLIGHT TIME**  
16 minutes with payload

**COMMUNICATION RANGE**  
3000 ft or greater (>1 km)

**MAX SPEED**  
25 mph (40 km/h)

**MAX RATE CLIMB**  
4 m/s in stabilize mode

**MAX ALTITUDE**  
400 ft (122 m) per FAA regulation

**DIMENSION**  
10 in tall (25 cm) / 18 in (46 cm)  
motor-to-motor

**WEIGHT**  
4.4 lbs (1.99 kg) w. Sony R10C

**COMMUNICATION**  
3DR Link secure WiFi network

**FREQUENCY**  
2.4 GHz

**PROPELLERS**  
10" (24 cm) diameter / self  
tightening

**MOTORS**  
880 kV

**AUTOPILOT**  
Pixhawk 2

**SOFTWARE**  
APM:Copter

**FLIGHT BATTERY**  
Lithium polymer 5200 mAh,  
14.8 Vdc

**BATTERY CHARGE TIME**  
~1.5 hours

**CONTROLLER BATTERY**  
Lithium ion 2600 mAh, 7.2 Vdc

### Site Scan App

- Plan and manage missions/  
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- Automatically geotag for  
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- Publish imagery from 3DR &  
Autodesk clouds

### 3DR Cloud

- Unlimited data storage
- Unlimited 2D map and 3D  
model creation
- Easy access to models from  
Autodesk® software
- Full data sharing with  
stakeholders

### Camera

**SONY R10C**

**SENSOR:** CMOS  
**SIZE:** APS-C  
**RESOLUTION:** 20MP  
**FOCUS MODE:** Autofocus  
**ISO SENSITIVITY:** 100-16,000

**LENSES**  
Sony E PZ 16-50mm zoom lens  
Sony E 20mm prime lens



Source : Site Scan user manual.pdf

## Site Scan

[View More by This Developer](#)

By 3D Robotics

This app is only available on the App Store for iOS devices.



Free

Category: Business

Updated: Nov 07, 2017

Version: 2.0.2

Size: 214 MB

Language: English

Seller: 3D Robotics Inc.

© 3D Robotics, Inc. 2017

Rated 4+

### Description

Site Scan is a cloud-connected mobile app that makes it easy to collect accurate, high-resolution maps and models using either 3DR or DJI drones. Site Scan automatically calculates and executes flight plans, pushes data to the cloud for analysis and sharing, and integrates seamlessly with Autodesk desktop tools.

#### Compatibility:

- Requires compatible hardware: 3DR Site Scan drone or DJI Phantom 4 Pro
- Requires Site Scan account subscription for operation and cloud processing

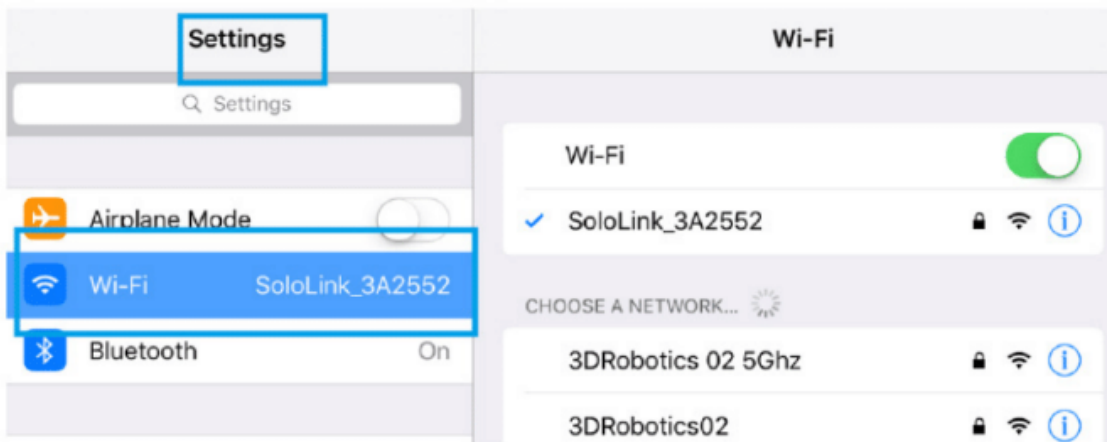
For further information and pricing, please reach out at [3dr.com/enterprise/contact](http://3dr.com/enterprise/contact).

#### Key features:

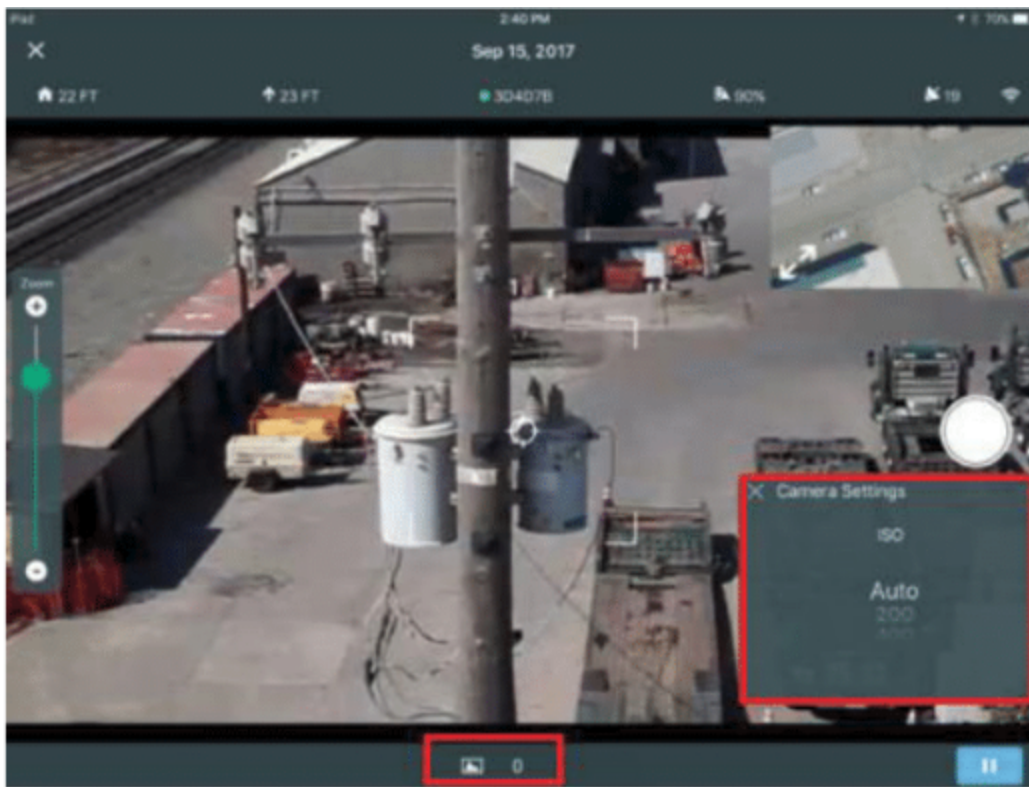
- Simple and intuitive flight planning
- 4 autonomous flight modes designed for optimal data capture—no piloting experience needed
- Automated pre-flight safety checks
- Understand the details of your flight before taking off, including area size, approximate resolution, and the number of photos to be taken
- Transfer data wirelessly from the camera to your iPad
- Easily upload data to 3DR Cloud for processing and review
- Generates high accuracy maps and models

<https://itunes.apple.com/us/app/site-scan/id1113156576?mt=8>

Next, connect your iPad to your Site Scan drone Wi-Fi network by going into the Settings menu → WiFi → and locating the correct Network. The default password for your Site Scan drone's network is "sololink".



Source : Site Scan user manual.pdf



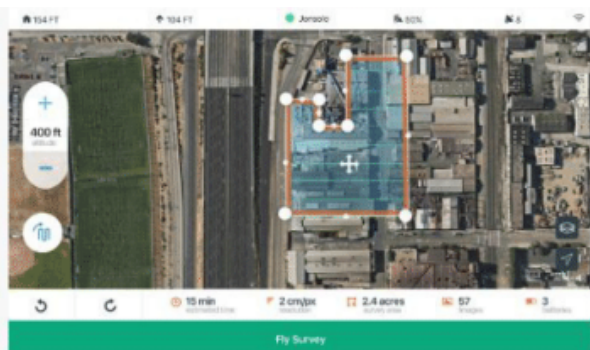
<https://itunes.apple.com/us/app/site-scan/id1113156576?mt=8>

**3.8. Recommended Surveying conditions and operational parameters.**

To perform any kind of Survey the best environmental conditions would be Mid-day (bright) with overcast weather (no shadows) and calm wind (best coverage area). With that said, the photogrammetry engine used in Site Scan will compensate as much as possible for shadows, and both over and under exposed images caused by the lighting conditions of the site or by the time in which the Survey was performed. If you believe the quality of the resulting files may have suffered because of this, please contact our Success Services team. The Drone operator also has to take into account the operational parameters for the Site Scan Drone. Always operate within them.

Estimated Flight time	15 Minutes*
Default Maximum Altitude	630 feet over takeoff point**
Range	0.5 mile (0.8 KM)***
Wind speed limitation	15 mph (9 m/s) Past this point stability may be affected.
Operating Temperature	32° F – 113° F (0° to 45° C)
Maximum operational altitude	7000 ft****

Source : Site Scan user manual.pdf

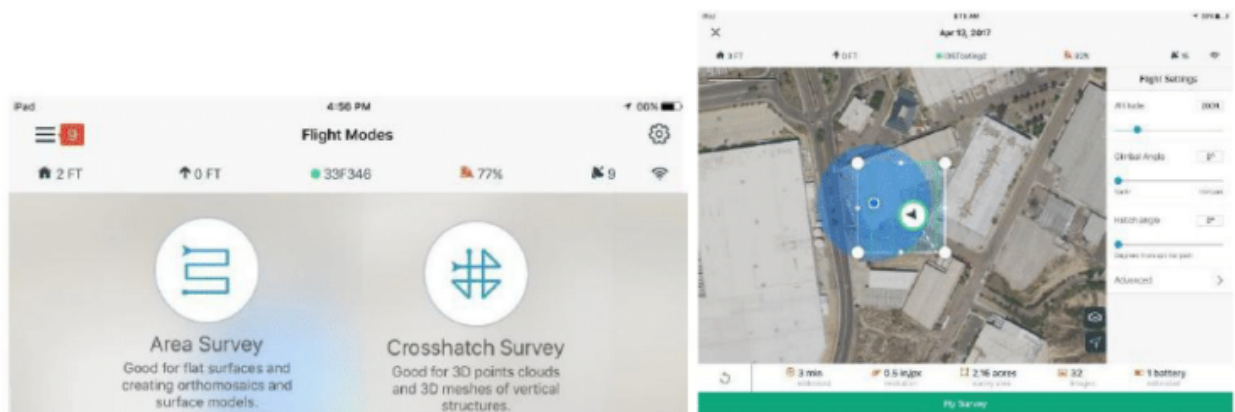


### Plan and execute a flight in minutes

Pick the area you want to capture, choose your ideal flight altitude, and Site Scan automatically calculates your flight path. Swipe the app to begin the flight and the drone will take off, follow the pattern, and then land itself.

<https://3dr.com/enterprise/features/>

After selecting the Flight Mode you want to use, the app will show you drone details at the top and other information regarding both your Site Scan drone and the jobs you are planning. Please note that the information may be inaccurate if you are indoors and have not yet acquired GPS lock.



Source : Site Scan user manual.pdf

22. Defendant’s actions complained of herein will continue unless Defendant is enjoined by this court.

23. Defendant’s actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Defendant is enjoined and restrained by this Court.

24. Plaintiff is in compliance with 35 U.S.C. § 287.

### **COUNT II (INFRINGEMENT OF UNITED STATES PATENT NO 8,204,437)**

25. Plaintiff incorporates paragraphs 1-24 herein by reference.

26. This cause of action arises under the patent laws of the United States and, in particular, under 35 U.S.C. §§ 271, et seq.

27. Plaintiff is the owner by assignment of the '437 Patent with sole rights to enforce the '437 patent and sue infringers.

28. A copy of the '437 Patent, titled "Wireless Image Distribution System and Method," is attached hereto as Exhibit B.

29. The '437 Patent is valid, enforceable, and was duly issued in full compliance with Title 35 of the United States Code.

30. On information and belief, Defendant has infringed and continues to infringe one or more claims (at least by having its employees, or someone under Defendant's control, test the accused product), including at least Claim 1 of the '437 Patent by making, using, importing, selling, and/or offering for wireless drone cameras covered by at least Claim 1 of the '437 Patent.

31. On information and belief, Defendant sells, offers to sell, and/or uses wireless drone cameras, including, without limitation Site Scan Drone and the Site Scan app, and any similar devices ("Product"), which infringe at least Claim 1 of the '437 Patent.

32. The Product is a system that can distribute at least one digital photographic image (e.g., a drone camera with the ability to transmit images to another device). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.



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Sony E 20mm prime lens



Source : Site Scan user manual.pdf

33. The Product includes at least one capturing device (e.g., a drone with a camera attachment) and at least one receiving device (e.g., a smartphone with the Site Scan app installed). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

## Site Scan

[View More by This Developer](#)

By 3D Robotics

This app is only available on the App Store for iOS devices.



Free

Category: Business  
Updated: Nov 07, 2017  
Version: 2.0.2  
Size: 214 MB  
Language: English  
Seller: 3D Robotics Inc.  
© 3D Robotics, Inc. 2017  
Rated 4+

### Description

Site Scan is a cloud-connected mobile app that makes it easy to collect accurate, high-resolution maps and models using either 3DR or DJI drones. Site Scan automatically calculates and executes flight plans, pushes data to the cloud for analysis and sharing, and integrates seamlessly with Autodesk desktop tools.

#### Compatibility:

- Requires compatible hardware: 3DR Site Scan drone or DJI Phantom 4 Pro
- Requires Site Scan account subscription for operation and cloud processing

For further information and pricing, please reach out at [3dr.com/enterprise/contact](http://3dr.com/enterprise/contact).

#### Key features:

- Simple and intuitive flight planning
- 4 autonomous flight modes designed for optimal data capture—no piloting experience needed
- Automated pre-flight safety checks
- Understand the details of your flight before taking off, including area size, approximate resolution, and the number of photos to be taken
- Transfer data wirelessly from the camera to your iPad
- Easily upload data to 3DR Cloud for processing and review
- Generates high accuracy maps and models

<https://itunes.apple.com/us/app/site-scan/id1113156576?mt=8>

34. The capturing device and receiving device are cooperatively disposed in a communicative relation with one another via at least one wireless network. For example, the Product includes a capturing device (e.g., a drone with a camera attachment) and a receiving device (e.g., a smartphone with the Site Scan app) being cooperatively disposed in a communicative relation with one another via at least one wireless network (e.g., both the drone and a user's smartphone will be connected to the same Wi-Fi network allowing for image transfer and live streaming through the Wi-Fi network). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.



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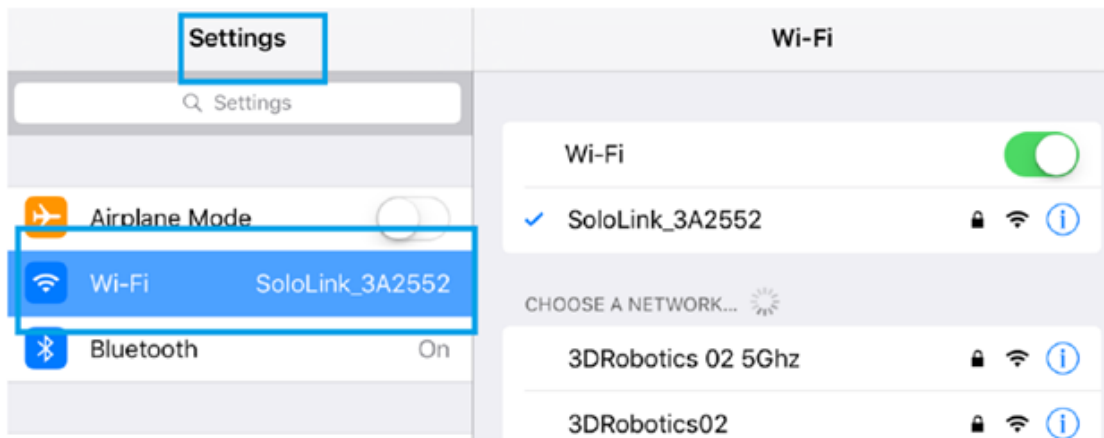
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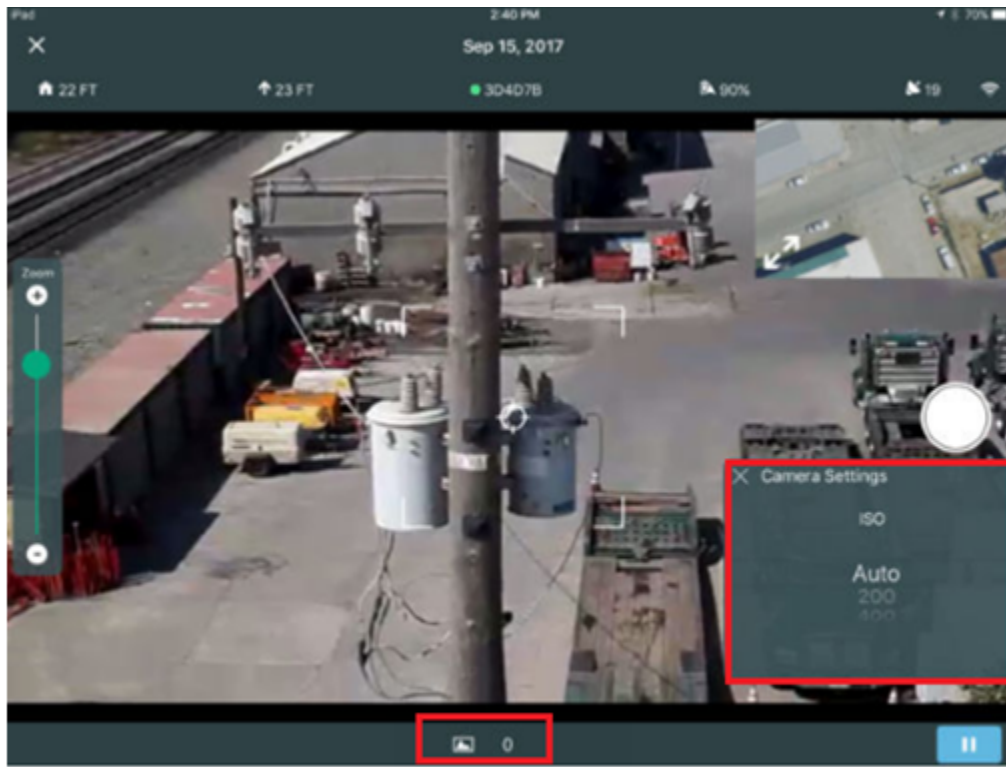
Next, connect your iPad to your Site Scan drone Wi-Fi network by going into the Settings menu → WiFi → and locating the correct Network. The default password for your Site Scan drone's network is "sololink".



Source : Site Scan user manual.pdf

35. The capturing device has a capture assembly that is structured to selectively capture the at least one digital photographic image. For example, the capturing device (e.g., a drone with a camera attachment) has a capture assembly (e.g., a camera assembly), and the

capture assembly is structured to selectively capture the at least one digital photographic image (e.g., the Product's camera assembly is able to capture digital images, record video, and capture still image frames from video). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.



<https://itunes.apple.com/us/app/site-scan/id1113156576?mt=8>

36. The capturing device also has a first network component (e.g., Wi-Fi module). The first network component is structured to communicate the at least one digital photographic image (e.g., images captured by the Product) to the receiving device (e.g., smartphone with Site Scan app) via the at least one wireless network (e.g., a Wi-Fi network). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

To connect to a network, a computer uses a network interface card (NIC). A NIC controls the wired and wireless connections of a computer to exchange information with other computers and the Internet.

## Network Interface Cards

In the early days of computing, individual computers operated as stand-alone systems. The earliest personal computers did not have an easy way to connect to other computers. In order to transfer files between computers, you had to use a portable storage medium such as a **floppy disk**; however, in modern-day computers, connecting to a network is essential. For example, you need to connect to use e-mail, access information on the Internet, and share documents within a corporate network.

A computer uses a **network interface card** (NIC) to become part of a network. The NIC contains the electronic circuitry required to communicate using a wired connection (e.g., **Ethernet**) or a wireless connection (e.g., **WiFi**). A network interface card is also known as a network interface controller, network adapter, or **Local Area Network (LAN)** adapter.

<http://study.com/academy/lesson/network-interface-card-nic-types-function-definition.html>

37. The receiving device (e.g., smartphone with Site Scan app installed) has a second network component (e.g., Wi-Fi module within the smartphone). The second network component is structured to receive the at least one digital photographic image (e.g., images captured by the drone camera) from the capturing device via the wireless network (e.g., a Wi-Fi network). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

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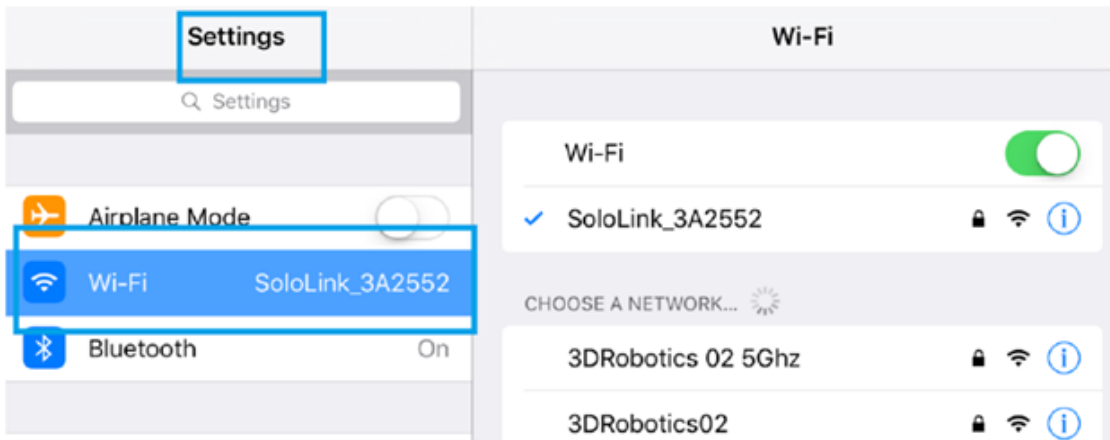
For further information and pricing, please reach out at [3dr.com/enterprise/contact](http://3dr.com/enterprise/contact).

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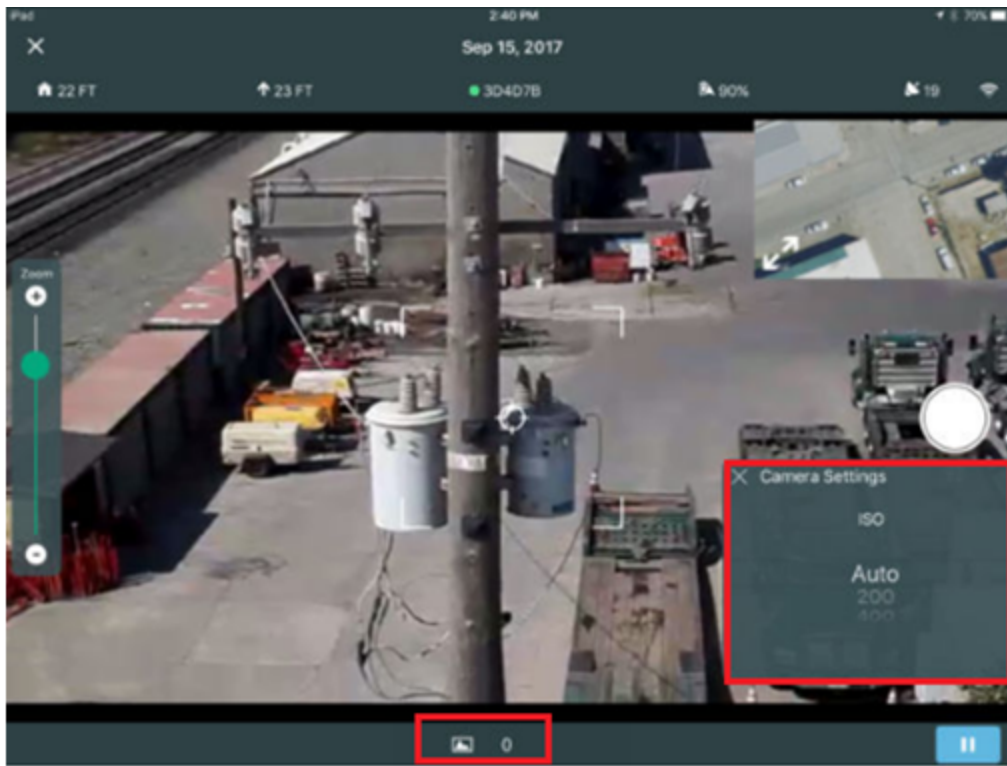
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<http://study.com/academy/lesson/network-interface-card-nic-types-function-definition.html>

38. The capturing device and the receiving device are disposed in a selectively paired relationship with one another. For example, the capturing device (e.g., drone with a camera attachment) and the receiving device (e.g., a smartphone with the Site Scan app

installed) are disposed in a selectively paired relationship with one another (e.g., both devices are connected through the same Wi-Fi network).

39. The selectively paired relationship is at least partially based on the capturing device and the receiving device being cooperatively associated with at least one common pre-defined pairing criterion. For example, both devices are connected over the same Wi-Fi network and are within the effective signal range of the Wi-Fi network. Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

<https://itunes.apple.com/us/app/site-scan/id1113156576?mt=8>

**3.8. Recommended Surveying conditions and operational parameters.**

To perform any kind of Survey the best environmental conditions would be Mid-day (bright) with overcast weather (no shadows) and calm wind (best coverage area). With that said, the photogrammetry engine used in Site Scan will compensate as much as possible for shadows, and both over and under exposed images caused by the lighting conditions of the site or by the time in which the Survey was performed. If you believe the quality of the resulting files may have suffered because of this, please contact our Success Services team. The Drone operator also has to take into account the operational parameters for the Site Scan Drone. Always operate within them.

Estimated Flight time	15 Minutes*
Default Maximum Altitude	630 feet over takeoff point**
Range	0.5 mile (0.8 KM)***
Wind speed limitation	15 mph (9 m/s) Past this point stability may be affected.
Operating Temperature	32° F – 113° F (0° to 45° C)
Maximum operational altitude	7000 ft****

Source : Site Scan user manual.pdf

40. The pre-defined pairing criterion is a geographic location of the capturing device. For example, the Product must be located at a geographic location within the signal range of the Wi-Fi network utilized by a user’s smartphone in order to pair with said smartphone). Certain aspects of this element are illustrated in the screen shots below, and/or the screen shots provided in connection with other elements discussed herein.

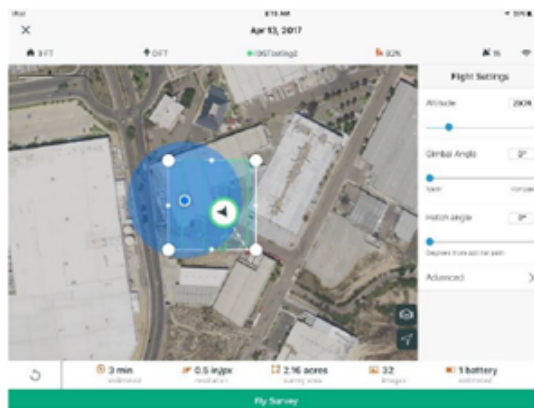
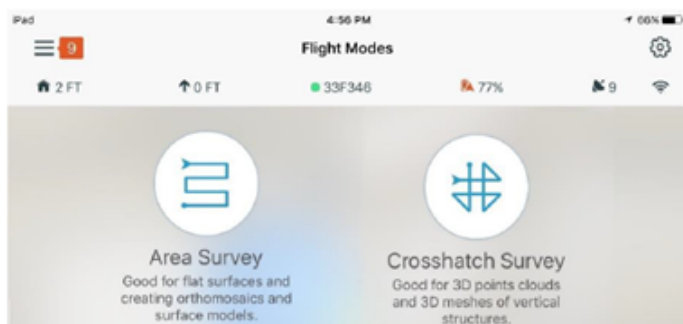


### Plan and execute a flight in minutes

Pick the area you want to capture, choose your ideal flight altitude, and Site Scan automatically calculates your flight path. Swipe the app to begin the flight and the drone will take off, follow the pattern, and then land itself.

<https://3dr.com/enterprise/features/>

After selecting the Flight Mode you want to use, the app will show you drone details at the top and other information regarding both your Site Scan drone and the jobs you are planning. Please note that the information may be inaccurate if you are indoors and have not yet acquired GPS lock.



Source : Site Scan user manual.pdf

41. Defendant’s actions complained of herein will continue unless Defendant is enjoined by this court.

42. Defendant’s actions complained of herein are causing irreparable harm and monetary damage to Plaintiff and will continue to do so unless and until Defendant is enjoined and restrained by this Court.

43. Plaintiff is in compliance with 35 U.S.C. § 287.

**PRAYER FOR RELIEF**

WHEREFORE, Plaintiff asks the Court to:

(a) Enter judgment for Plaintiff on this Complaint on all causes of action asserted herein;

(b) Enter an Order Enjoining Defendant, its agents, officers, servants, employees, attorneys, and all persons in active concert or participation with Defendant who receive notice of the order from further infringement of United States Patent No. 8,437,797, and 8,204,437 (or, in the alternative, awarding Plaintiff a running royalty from the time of judgment going forward);

(c) Award Plaintiff damages resulting from Defendant's infringement in accordance with 35 U.S.C. § 284;

(d) Award Plaintiff pre-judgment and post-judgment interest and costs; and

(e) Award Plaintiff such further relief to which the Court finds Plaintiff entitled under law or equity.



Dated: February 9, 2018

Respectfully submitted,

*/s/Stamatios Stamoulis*

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**STAMOULIS & WEINBLATT LLC**

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**ATTORNEY FOR PLAINTIFF**