

The following images and text represent research and testing for capabilities of visual and regular chatgpt for this project. Visual chatgpt has its issues and I could not find a way to pull information consistent with what was shared in the images. It struggled with identifying how many windows, locations, colors, etc. It also lacked knowledge of certain materials such as saying "find the brick house" and not being able to identify any when it is the main house in the image. I was able to get visual chatgpt to go into depth on what it recognized in the images and see that sometimes it would recognize something like a brick house and other times it wouldn't. One thing I noticed was that when I asked for directions to a certain location it would tell me to "go up the stairs" very often. I think color was a big area of struggle for visual and also identifying all the objects in the image, not just a few. Regular chatgpt did great testing sample input for the bot. Its performance is far superior to the model I trained with rasa. It can adapt and pull out information much easier. I can tell it to format the returned output or ask it to pull additional information and it performs very well. I think that using chatgpt to pull the information would be very good because I would not be able to supply the model I built with the amount of data chatgpt has and even though it is not specific to the project, it is much better at interpreting human text. I was impressed with how flexible chatgpt was and how accurate it was at pulling data and even specifying things like direction or what part of the house (west, back, front...).

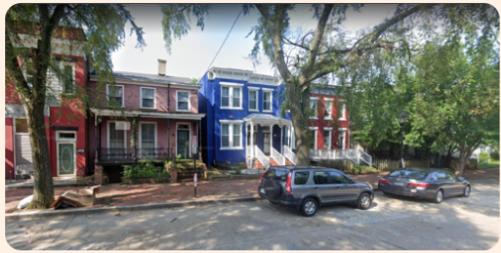
Language

Chinese

English

.....

Visual ChatGPT



image/d2e540ea.png

Received.

where in the image is the blue house

The blue house is located in the middle of the image.

Enter text and press enter, or upload an image

 Run

 Clear

 Upload

Language

Chinese  English

.....

Visual ChatGPT

I can help you with a wide range of tasks related to text and visual. For example, I can generate images from user input text, get photo descriptions, remove and replace objects from photos, answer questions about images, perform edge detection on images, generate images from canny images, instruct images using text, predict depth on images, generate images from depth images, and extend images.

find the blue house in image/69fbab7c.png

I'm sorry, I could not find a blue house in the image



image/69fbab7c.png.

Enter text and press enter, or upload an image

Run

Clear

Upload

Language

Chinese  English

.....

Visual ChatGPT



image/69fbab7c.png. The image contains a street view of a small town.

find the brick house in this image

I'm sorry, I could not find a brick house in the image



image/69fbab7c.png. The image contains a street view of a small town.

Enter text and press enter, or upload an image

Run

Clear

Upload

Language

Chinese  English

Visual ChatGPT

image/031a047c.png. The image contains a street view of a small town.

find the orange house in this image

I'm sorry, I could not find an orange house in the image



image/69fbab7c.png. The image contains a street view of a small town.

find the brick house in this image

Enter text and press enter, or upload an image

 Run

 Clear

 Upload

Visual ChatGPT

describe image/69fbab7c.png

The image is a street view of a small town.

describe in detail image/69fbab7c.png

The image is a street view of a small town. It shows a small town with a few buildings, a few trees, and a road running through the center. The sky is blue and the sun is shining.

describe in fine detail image/69fbab7c.png

The image is a street view of a small town. It shows a small town with a few buildings, a few trees, and a road running through the center. The sky is blue and the sun is shining. The buildings are mostly two-story, with some one-story buildings scattered throughout. The trees are mostly deciduous, with some evergreen trees scattered throughout. The road is paved and has a few cars parked along the side.

Enter text and press enter, or upload an image

Run

Clear

Upload

Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Visual ChatGPT

throughout. The road is paved and has a few cars parked along the side.

describe in a paragraph image/69fbab7c.png

The image is a street view of a small town. It shows a small town with a few buildings, a few trees, and a road running through the center. The sky is blue and the sun is shining. The buildings are mostly two-story, with some one-story buildings scattered throughout. The trees are mostly deciduous, with some evergreen trees scattered throughout. The road is paved and has a few cars parked along the side.

describe in a page image/69fbab7c.png

The image is a street view of a small town. It shows a small town with a few buildings, a few trees, and a road running through the center. The sky is blue and the sun is shining. The buildings are mostly two-story, with some one-story buildings scattered throughout. The trees are mostly deciduous, with some evergreen trees scattered throughout. The road is paved and has a few cars parked along the side. The town appears to be peaceful and quiet, with no signs of activity. The buildings are mostly brick and stone, with some wood and metal accents. The trees are mostly tall and leafy, providing shade and a pleasant atmosphere. The road is wide and well-maintained, with no visible potholes or cracks. The cars parked along the side of the road are mostly small and compact, suggesting that the town is not a major tourist destination.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Visual ChatGPT

shining. The buildings are mostly two-story, with some one-story buildings scattered throughout. The trees are mostly deciduous, with some evergreen trees scattered throughout. The road is paved and has a few cars parked along the side.

describe in a page image/69fbab7c.png

The image is a street view of a small town. It shows a small town with a few buildings, a few trees, and a road running through the center. The sky is blue and the sun is shining. The buildings are mostly two-story, with some one-story buildings scattered throughout. The trees are mostly deciduous, with some evergreen trees scattered throughout. The road is paved and has a few cars parked along the side. The town appears to be peaceful and quiet, with no signs of activity. The buildings are mostly brick and stone, with some wood and metal accents. The trees are mostly tall and leafy, providing shade and a pleasant atmosphere. The road is wide and well-maintained, with no visible potholes or cracks. The cars parked along the side of the road are mostly small and compact, suggesting that the town is not a major tourist destination.

describe the buildings in image/69fbab7c.png in detail

The buildings in the image are mostly two-story, with some one-story buildings scattered throughout. The buildings are mostly brick and stone, with some wood and metal accents.

Enter text and press enter, or upload an image

Run

Clear

Upload

Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Visual ChatGPT

The image is a street view of a small town. It shows a small town with a few buildings, a few trees, and a road running through the center. The sky is blue and the sun is shining. The buildings are mostly two-story, with some one-story buildings scattered throughout. The trees are mostly deciduous, with some evergreen trees scattered throughout. The road is paved and has a few cars parked along the side. The town appears to be peaceful and quiet, with no signs of activity. The buildings are mostly brick and stone, with some wood and metal accents. The trees are mostly tall and leafy, providing shade and a pleasant atmosphere. The road is wide and well-maintained, with no visible potholes or cracks. The cars parked along the side of the road are mostly small and compact, suggesting that the town is not a major tourist destination.

describe the buildings in image/69fbab7c.png in detail

The buildings in the image are mostly two-story, with some one-story buildings scattered throughout. The buildings are mostly brick and stone, with some wood and metal accents.

describe the buildings in image/69fbab7c.png in fine detail

The image shows a street view of a small town. The buildings in the image are mostly two-story buildings with white walls and red roofs. There are several trees and shrubs in the foreground, and a few cars parked on the street. The buildings have windows and doors, and some of them have balconies.

Enter text and press enter, or upload an image

Run

Clear

Upload

Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

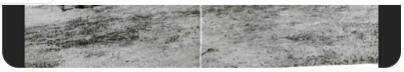
Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image



*image/9eb22c16.png* is located at the top right corner of the image. To get to the back of the house, you would need to go up and to the right.

generate directions to the back of the blue house in *image/2373ed5f.png*

The blue house in the image “



*image/2373ed5f.png* is located at the top right corner of the image. To get to the back of the house, you would need to go up the stairs.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Can you use this depth image to generate a cute dog

Received.

is there a white door in image/ad7e2b4e.png

Yes, there is a white door in



image/ad7e2b4e.png.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

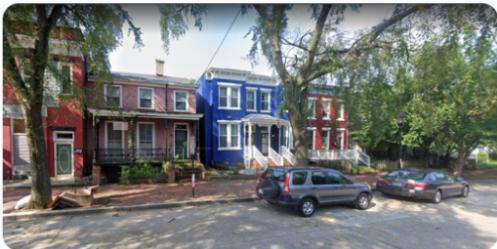
Describe this image

please detect the depth of this image

Can you use this depth image to generate a cute dog

where is the white door in image/ad7e2b4e.png

The white door is on the blue house in



image/ad7e2b4e.png.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Can you use this depth image to generate a cute dog

what color doors are in image/ad7e2b4e.png

The



image/ad7e2b4e.png contains a street scene with a row of houses. There is a white door on the blue house and a brown door on the yellow house.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden Run

Replace the cat with a dog Clear

Remove the dog in this image Upload

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog Run

Make it like water-color painting Clear

What is the background color Upload

Describe this image Run

please detect the depth of this image Clear

Can you use this depth image to generate a cute dog Upload

You can duplicate this Space to skin the engine...

Visual ChatGPT



image/1e8d371d.png

Received.

I will give you an instruction for a UAV to visit a particular location on a city street. For each utterance, you will extract the location and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street.

instruction: explore the second floor of the green building

The instruction is not valid as UAVs cannot explore the second floor of a building.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden Run

Replace the cat with a dog Clear

Remove the dog in this image Upload

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog Run

Make it like watercolor painting Clear

What is the background color Upload

Describe this image Run

please detect the depth of this image Clear

N

I will give you an instruction for a UAV to visit a particular location on a city street. For each utterance, you will extract the location and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street.

instruction: explore the second floor of the green building



Location: The green building (Assuming it is located on a city street)



Main Action: Explore the second floor

Since the instruction only involves exploring a specific floor of a building, and not flying to or around the building, it can be assumed that the UAV will not be required to perform any actions that it cannot perform. However, it is important to note that flying a UAV indoors may not always be legal or safe, and therefore, appropriate permissions and precautions must be taken before executing this instruction.

Regenerate response

Send a message...



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N

I will give you an instruction for a UAV to visit a particular location on a city street. For each utterance, you will extract the location and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street.

instruction: explore the second floor of the green building



Location: The green building (Assuming it is located on a city street)



Main Action: Explore the second floor

Since the instruction only involves exploring a specific floor of a building, and not flying to or around the building, it can be assumed that the UAV will not be required to perform any actions that it cannot perform. However, it is important to note that flying a UAV indoors may not always be legal or safe, and therefore, appropriate permissions and precautions must be taken before executing this instruction.

⟳ Regenerate response

Send a message...

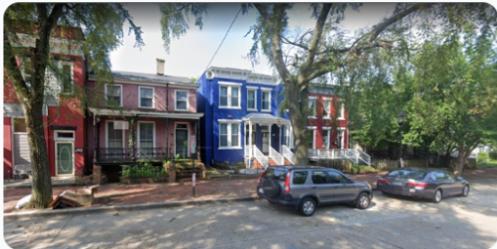


ChatGPT Mar 23 Version. Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts

I will give you an image for a UAV to visit a particular location on a city street. For each utterance, you will tell me if the location exists in image/1e8d371d.png

instruction: explore the second floor of the blue building

Yes, the location exists in



image/1e8d371d.png. There are two floors in the blue building.

Enter text and press enter, or upload an image

Run

Clear

Upload

Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Can you use this depth image to generate a cute dog

I will give you an image for a UAV to visit a particular location on a city street. For each utterance, you will tell me if the location exists in image/1e8d371d.png

instruction: explore the second floor of the pink building

No, the location does not exist in



image/1e8d371d.png. There is no pink building in the image.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

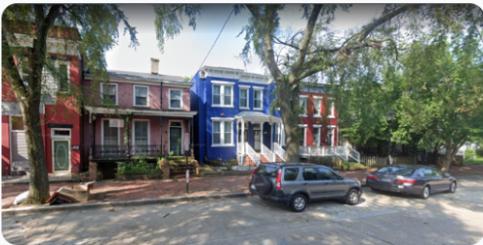
please detect the depth of this image

Can you use this depth image to generate a cute dog

I will give you an image for a UAV to visit a particular location on a city street. For each utterance, you will tell me if the location exists in image/1e8d371d.png

instruction: explore the second floor of the red building

No, the location does not exist in



image/1e8d371d.png. There is no red building in the image.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Can you use this depth image to generate a cute dog

image/1e8d371d.png. There is no red building in the image.

zoom in on the red house on the left in image/1e8d371d.png

The image has been extended to a resolution of 2048x1024 and the new image is saved as



image/1460\_outpainting\_1e8d371d\_1e8d371d.png.

Enter text and press enter, or upload an image

Run

Clear

Upload

≡ Examples

Generate a figure of a cat running in the garden

Replace the cat with a dog

Remove the dog in this image

Can you detect the canny edge of this image?

Can you use this canny image to generate an oil painting of a dog

Make it like water-color painting

What is the background color

Describe this image

please detect the depth of this image

Can you use this depth image to generate a cute dog

Visual ChatGPT



image/e156bf69.png

Received.

I will give you an instruction for a UAV to visit a particular location on a city street in an image. For each utterance, you will extract the location and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street or not in the image provided.

instruction: explore the front of the blue house

The image contains a blue house and the instruction is to explore the front of the house.

Enter text and press enter, or upload an image

Run

Clear

Upload

I will give you an instruction for a UAV to visit a particular location on a city street in an image. For each utterance, you will extract the location and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street or not in the image provided.

instruction: explore the front of the blue house

The image contains a blue house and the instruction is to explore the front of the house.

instruction: explore the front of the black house

The image contains a cat walking on the ground, but there is no black house in the image.

Enter text and press enter, or upload an image

Run

Clear

Upload

The image contains a cat walking on the ground, but there is no black house in the image.

instruction: explore the back of the red house

I have generated an image of a cat running in the seashore with the back of a red house in the background. The image file name is



image/5399\_pix2pix\_84bbcaad\_84bbcaad.png

Enter text and press enter, or upload an image

Run

Clear

Upload

N

extract the location and the main action of the following instruction:



I cannot extract the location and the main action of the instruction as none have been provided. Please provide me with the instruction.



N

monitor the second floor of the brick building across the street



Location: The brick building across the street (Assuming it is located on a city street)



Main Action: Monitor the second floor

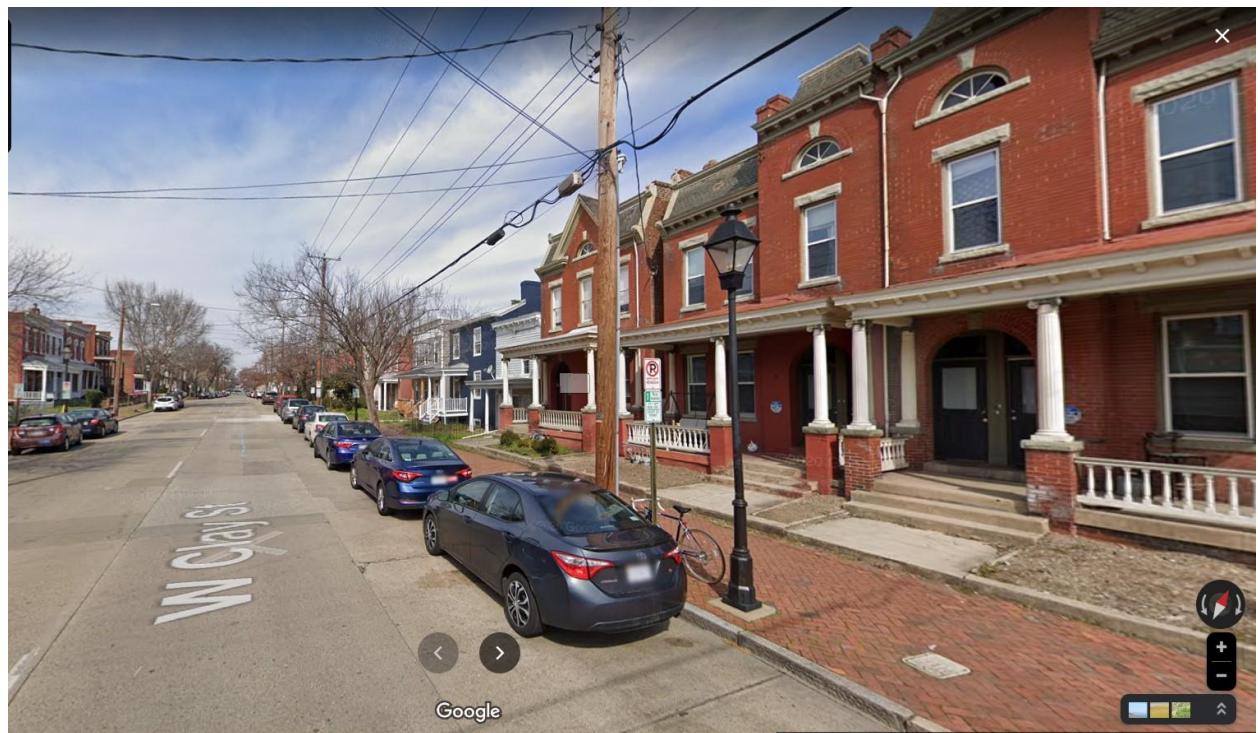
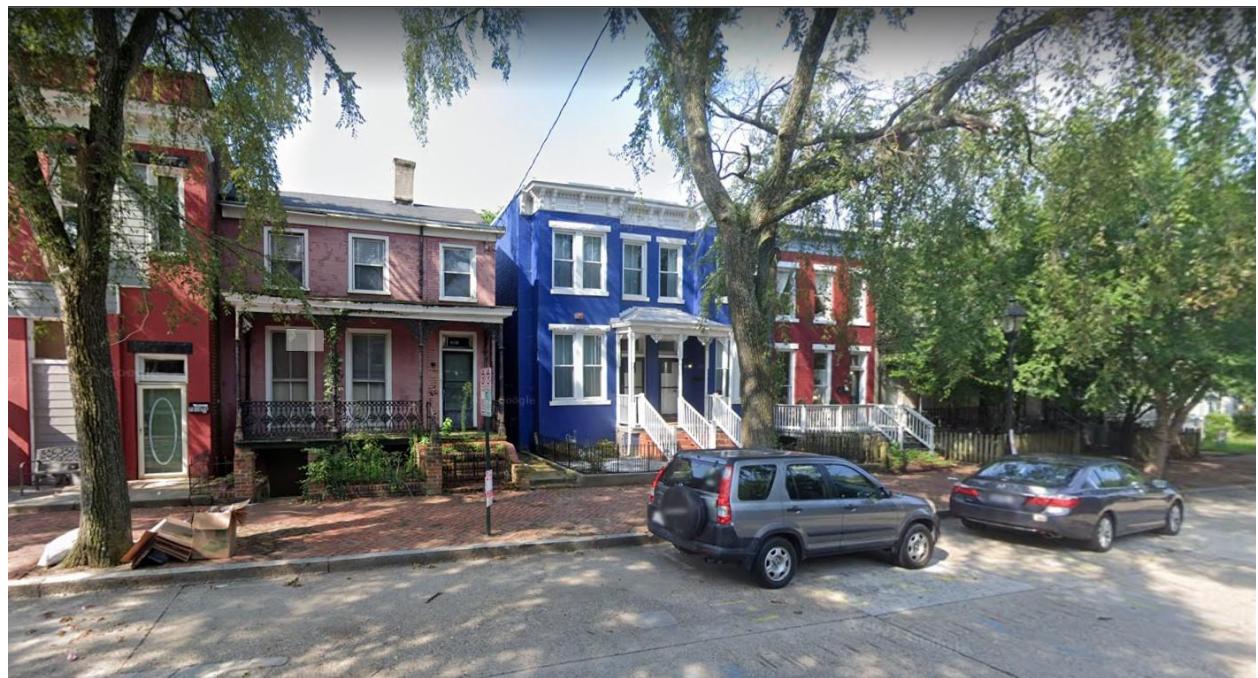
Since the instruction only involves monitoring a specific floor of a building, and not flying to or around the building, it can be assumed that the UAV will not be required to perform any actions that it cannot perform. However, it is important to note that appropriate permissions and precautions must be taken before executing this instruction.

⟳ Regenerate response

Send a message...



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**N** I'll supply you with streets and houses on that street and an initial position for a drone. the drone can only interact with houses that are available on the street it is currently on. I will give you an instruction for a UAV to visit a particular location and perform a certain action. For each utterance, you will extract the location, if given, and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street.

 Sure, I can help you with that. Please provide me with the list of streets, houses on those streets, and the initial position of the drone. Also, please provide me with some instructions for the UAV to follow. 🔗 ⌂ ⌓

**N** A street: blue house, red house, orange house, red house, yellow house  
B street: blue house, blue house, yellow house

 Understood, thank you. Please provide me with an initial position for the drone and an instruction for it to follow. 🔗 ⌂ ⌓

**N** initial position A street

 Regenerate response

Send a message... 

ChatGPT Mar 23 Version. Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts.

 Understood, the initial position is on the A street. Can you please provide the exact address or location on the A street where the drone is currently located? 🔗 ⌂ ⌓

**N** orange house 

 Location: orange house 🔗 ⌂ ⌓

Action: not specified. Please provide an action for the UAV to perform.

**N** Explore the black house

 I'm sorry, but there is no black house listed on the A or B street. Could you please provide me with a valid location on the A or B street? 🔗 ⌂ ⌓

**N** explore the yellow house

 Regenerate response

Send a message... 

ChatGPT Mar 23 Version. Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts.

I will give you a list of instructions for a UAV to visit a particular location on a city street.

For each utterance, you will extract the location and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street.

1. Can you explore the second floor of the green house?
2. Look around the top floor of the house at 601 W Main St.
3. Go and look inside the attic of the large house across the street.
4. Explore the back of the five story building.
5. Go to the ground floor of the red building.
6. Move to the white house.
7. Move to the bottom of the white house.
8. Move to the house at 25232 N Washington Dr.
9. Explore the front of the house on 43143 Brookside Pl.
10. Explore the west side of the house.
11. Explore the east side of the big yellow building.
12. Take a picture
13. Take a picture inside the nearby blue house.
14. Take several pictures of the location.
15. Take a picture of the third floor of the blue house.
16. Take a picture of the front of the house.
17. Take a picture of the west side of the red building.
18. Monitor the house at the NE corner of the intersection of Main and Cary.
19. Watch for activity at the orange house.
20. Monitor the orange house.
21. Monitor this location.
22. stop the drone
23. stop flight
24. stop activity
25. stop
26. land the drone
27. land here
28. something land something
29. land at nearest location
30. return to home
31. return to base
32. come back to home
33. come back to base

- 34. come back to headquarters
- 35. return to headquarters
- 36. move left
- 37. fly to the left
- 38. move to the left
- 39. left
- 40. move right
- 41. fly to the right
- 42. move to the right
- 43. right
- 44. move up
- 45. fly up
- 46. fly upwards
- 47. up
- 48. upwards
- 49. move down
- 50. fly down
- 51. fly downwards
- 52. down
- 53. downwards
- 54. move closer
- 55. fly closer
- 56. get closer
- 57. closer

- 1. Location: The second floor of the green house  
Main Action: Explore
- 2. Location: 601 W Main St.  
Main Action: Look around the top floor
- 3. Location: The attic of the large house across the street  
Main Action: Go and look inside
- 4. Location: The back of the five-story building  
Main Action: Explore
- 5. Location: The ground floor of the red building  
Main Action: Go to
- 6. Location: The white house  
Main Action: Move to
- 7. Location: The bottom of the white house  
Main Action: Move to
- 8. Location: 25232 N Washington Dr.  
Main Action: Move to the house
- 9. Location: 43143 Brookside Pl.  
Main Action: Explore the front of the house

10. Location: The west side of the house  
Main Action: Explore
11. Location: The east side of the big yellow building  
Main Action: Explore
12. Location: The nearby blue house  
Main Action: Take a picture inside
13. Location: The location (Assuming the drone's current position)  
Main Action: Take several pictures
14. Location: The third floor of the blue house  
Main Action: Take a picture
15. Location: The front of the house  
Main Action: Take a picture of
16. Location: The west side of the red building  
Main Action: Take a picture of
17. Location: The NE corner of the intersection of Main and Cary  
Main Action: Monitor the house
18. Location: The orange house  
Main Action: Watch for activity, Monitor
19. Location: This location (Assuming the drone's current position)  
Main Action: Monitor
20. Main Action: Stop the drone, Stop flight, Stop activity, Stop
21. Main Action: Land the drone, Land here, Something land something, Land at nearest location
22. Main Action: Return to home, Return to base, Come back to home, Come back to base, Come back to headquarters, Return to headquarters
23. Main Action: Move left, Fly to the left, Move to the left, Left
24. Main Action: Move right, Fly to the right, Move to the right, Right
25. Main Action: Move up, Fly up, Fly upwards, Up, Upwards
26. Main Action: Move down, Fly down, Fly downwards, Down, Downwards
27. Main Action: Move closer, Fly closer, Get closer, Closer

Note: For some of the instructions, there might be ambiguity or insufficient information to determine the precise location or action.

I will give you a list of instructions for a UAV to visit a particular location or perform a certain action. For each utterance, you will extract the location if given and the main action. You will not allow actions that a UAV cannot perform or locations that are not on a city street.

Can you explore the second floor of the green house?

Look around the top floor of the house at 601 W Main St.

Go and look inside the attic of the large house across the street.

Explore the back of the five story building.

**Go to the ground floor of the red building.**

**Move to the white house.**

**Move to the bottom of the white house.**

**Move to the house at 25232 N Washington Dr.**

**Explore the front of the house on 43143 Brookside Pl.**

**Explore the west side of the house.**

**Explore the east side of the big yellow building.**

**Locations:**

- green house (second floor)
- 601 W Main St (top floor of the house)
- large house (attic, across the street)
- five story building (back)
- red building (ground floor)
- white house (bottom)
- 25232 N Washington Dr
- 43143 Brookside Pl (front of the house)
- house (west side)
- big yellow building (east side)

**Actions:**

- explore (second floor of the green house)
- look around (top floor of the house at 601 W Main St)
- look inside (attic of the large house across the street)
- explore (back of the five story building)
- go to (ground floor of the red building)
- move to (white house, bottom)
- move to (25232 N Washington Dr)
- explore (front of the house on 43143 Brookside Pl)
- explore (west side of the house)
- explore (east side of the big yellow building)

**Take a picture**

**Take a picture inside the nearby blue house.**

**Take several pictures of the location.**

**Take a picture of the third floor of the blue house.**

**Take a picture of the front of the house.**

Take a picture of the west side of the red building.

- Action: Take a picture
- Location: None
- Action: Take a picture inside
- Location: nearby blue house
- Action: Take several pictures
- Location: location (not specified)
- Action: Take a picture
- Location: third floor of the blue house
- Action: Take a picture
- Location: front of the house
- Action: Take a picture
- Location: west side of the red building