**Seeing AI demo**

**Chris:** [00:00:04] Hello, I'm now going to show you what seeing AI can do. It's going to read some short text.

We ate innocence, Edith Wharton , Daniel Day-Lewis Michelle Winona, Ryder Martin. Scorsese's... so you get the idea. It was able to read. When I sled an image in to view with the camera that has its uses for reading things very quickly, and you can move something else, into view I'm now going to show you how it can read and ensure that the margins are included.

So I'm going to turn the book over.

**Voiceover:** [00:00:46] Bottom left corner, not visible.

Bottom and left edge is not visible bottom and left edges, not to visible, bottom edge not visible hold steady processing. .

What can you expect of a girl who was allowed to wear black?

**Chris:** [00:01:10] And it has provided me with, uh, a useful summary there of the scanned image of the back of the book

**Voiceover:** [00:01:20] play button. Pause.

**Voiceover voice 2:** [00:01:22] What can you expect of a girl who was allowed to wear black satin at her coming out to ball into the exquisite drawing rooms of New York society.

**Chris:** [00:01:31] So I've demonstrated it, reading texts with voiceover on initially in the female voice. And that's the voice, the male voice on my system that would read it without voiceover turned on.

**Voiceover:** [00:01:45] Back button, back channel product.

**Chris:** [00:01:50] I'm now going to get the barcode scanner to confirm the book that I've just been reading the text for.

Processing the Age of Innocence, Edith Wharton.

So, if you have a barcode, that's a much more efficient way of getting the barcode in view, you might've heard a little beep guiding me to let me know that there was a barcode in the camera and when the beeps get faster, that means that it's getting a better perspective on the barcode to scan it. I'm going to close that.

Menu, channel, person. . I'm not going to take a person picture. I'm going to come on to that currency. So if you have a currency such as,

it's a bit creased up deliberately to see if I could trick it

**Voiceover:** [00:02:52] 20 pounds.

**Chris:** [00:02:54] So it's told me 20 pound notes was placed in front of the camera. With us bills, their currency is all the same shape. So if you have a means of working out what the numbers are, that's really handy to have it.

**Voiceover:** [00:03:11] Current scene

colour gray.

**Chris:** [00:03:15] So it's telling me the background that I'm placing my documents on is gray. And that gives good contrast handwriting preview going to grab another piece of home writing here and get this in to view.. This is an experimental channel. This is my test message. So let's see if (it can get), good results today

**Voiceover:** [00:03:40] processing.

This is a sample of text for SeeingAI to read out on film save photo button.

**Chris:** [00:03:47] So it read that with some accuracy there let's move on. Close button meant channel light tells me the light levels in the room and if I can't see at all, and I want to know if I left the light on the pitch was quite high because the light is quite good in the room.

At the moment. If the lights weren't on at all, it would give a very low sound.

I'm now going to move on to the scene demo and look at some pictures because it's easier and convenient sometimes to import photographs from your photo library and get to SeeingAI too.

**Voiceover:** [00:04:37] Photo favorite the 2nd of June.

**Chris:** [00:04:40] ...recognise it. So this is a picture of people, uh, diversity and ability on a team day, I'm going to get SeeingAI

**Voiceover:** [00:04:50] delete button, favorite switch button, delete, edit button, photo. Favorite edit, delete favorite share button.

**Chris:** [00:04:59] That's the one I'm looking for. One photo select messages, page one of three page, one of three messages.

**Voiceover:** [00:05:06] Button recognised with SeeingAI. Processing. Scene a group of people posing for a photo. Person 11 people detected that 31 year old woman with brown hair wearing glasses, looking happy.

44 year old woman with black hair wearing glasses, looking happy 37 year old man with black hair looking happy.

**Chris:** [00:05:34] I'm going to stop it there. And I'm going to show you that if you want to explore the photo with your finger on the screen, as a blind person, it will describe the people that are quite close to your finger.

That requires some further analysis.

**Voiceover:** [00:05:51] Close button, close, explore photo button, explore, explore photo 19 items detected. I'm going to put your finger over the screen to explore.

**Chris:** [00:06:04] I'm going to drag my finger around the screen and you will see a marker, a little box where my finger is on the screen, where it's represented person one.

So it's found the person at the left edge of my perspective

**Voiceover:** [00:06:21] person 2.

**Chris:** [00:06:24] That is a sound that it makes when it hasn't recognised anything in the space. So I'm going to take my finger off for now while I'm speaking, I'm now going to try and get it to describe people's facial features

person 1 29 year old woman with brown hair wearing glasses, looking happy.

That's the first person it's found

**Voiceover:** [00:06:48] Person 1. 32 year old woman with blonde hair looking happy. Person 1 that person to 32 year old woman with blonde hair looking happy. 31 year old woman with brown hair wearing glasses, looking happy person 4 37 year old man with black hair looking happy.

**Chris:** [00:07:09] So it's able to pick up certain faces in a crowded

photograph of people. It doesn't at the moment. Tell me what they're wearing, but it does confirm how many people are there roughly most of the time. And it tells me what sort of mood they're in. I'm now going to move on. Hi, text blocks button. I need to come out to that button. Hi description to close that down and show you something else.

Photo one of two, I fish hips. Hey, I have a, an old picture of mine. When I went on holiday to Brighton, and this is about eight years old. So it may have changed since then. So have a good look, if you can at the images and the, the scene generally on, on the photograph, I'm going to do similar thing and we will see what it comes up with.

**Chris:** [00:08:11] I'm going to give you a little bit of a clue. Can you see any text in that image? Let's see if seeing AI can.

**Voiceover:** [00:08:20] Recognise with SeeingAi, processing text crazy golf, fish chips, Hchips, mushy peas, five pounds. Mushy peas Carte D'Or

**Chris:** [00:08:33] so fish chips, mushy peas, crazy golf

it takes quite a bit of zooming in to find those images and those bits of text in the image, the artificial intelligence can find things like that rather quickly. We'll do a quick explore.

**Voiceover:** [00:08:52] Close scene, probably a crowded beach with umbrellas.

**Chris:** [00:08:57] So the description is quite generic. It doesn't tell me about much more than crowded people.

**Voiceover:** [00:09:06] Beach, text crates, explore photo button, explore processing, 10 items, detected, move your finger over the screen to explore 10 items, detected, move your finger over the screen to explore

**Chris:** [00:09:21] in some ways it's quite good. It can read text, but in other ways, it's still developing it. Can't tell me. Well, the clouds are doing up here.

It can't tell me that I've now moved to the beach.

**Voiceover:** [00:09:34] Crazy Golf

**Chris:** [00:09:36] But it has sort of found crazy golf, some texts.

There are some other features with seeing AI, such as if you have a LIDAR sensor on one of the latest models of iPhones, you can get it too. Tell you how far people are from you. And if they move, it will give a quick update and it can tell you all sorts of other useful live augmentations about what's happening around you.

I don't have that capability on this device and it's a relatively new channel and it is likely to evolve over the coming months and, and years. This is very early days technology and the user interface for it, how to explore it is being developed in a, in an evolving way. Those are the main features I would like to go through with you to demonstrate. In the final video, I'm going to give you some top tips about the environment,

lighting conditions, et cetera, and some useful pointers to get the best results from seeing AI.