



Ai Camera device that **aids the blind** to **Identify, describe and locate food** on a plate.

The **Direction**

Summary statements & Brief

A solution to locating food [Without hindering the senses] improving the experience of eating Keen for a product that doesn't stand out but looks good. - Paul Person who is blind

A product that allows you to experience your surroundings. - Andy Person who is blind

The Context



"If I'm unsure on what the food is it tastes wrong... ...the problem is knowing what the food is and where" - Andy Person who is blind

People who are blind have constant challenges in their daily life that sighted people don't experience. The task of eating is a regular and consistent part of the day. Byte can make this more accessible through assisting those who are blind with a tool to help tackle this issue.



The product is set-up. Headphones can be connected. Hand gestures in-front of the plate trigger the **description**

and a hand gesture to the right of the plate triggers **location.**





The **Product**



The product is designed to be taken anywhere home, restaurant, cafe...

Portable bag - Tactile front - Rounded base



The Validation











- Battery - Charging circuit - Wireless Charging coil - Bluetooth (BLE) - Wi-Fi - Speaker

Tech

- Processor

- Ribbon cable

- Camera

The Technology



Plastic **injection moulded** external housing

The Ai device connects to the cloud to identify using a constantly evolving database. The product learns on the job with new foods and recipes.



product, and would make my life much easier - Andy Person who is blind

There is a gap in this area and very importantly addressed - RNIB Royal institute of the Blind



It's very helpful knowing when you're finished, it is very practical - Paul Person who is blind



A game changer to have food on one plate instead of blended or separated - Emma Carer for the blind

