



#### **AfoBot Video companion robot**



**Smart video companion** 

Click-n-Home

Auto answer Face tracking

4-peer video call Call recording

F2.0 Aperture for dim environment

#### **Voice assistant**



Alarm

Weather



**Shared cloud album** 



**Multimedia by Voice control** 

Music



**Broadcast** 



Video





## **Application**



**AfoBot** 

**Mobile / Tablet** 







## 1. Companion



AfoBot Video Companion Robot





#### Want to connect with family but...

Phone / Cam

Weak

**AfoBot** 

**Disturbs family** 

Feels like being observed



Click-n-home Remote rotation control

5MP Cam (>1080P) + Dim vision mode







#### When making calls with aging parents...

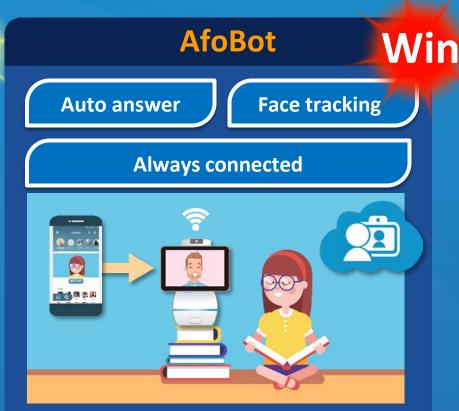






#### Wants to call kids at home









#### When busy cooking but need help...

Phone / Tablet

Weak

**AfoBot** 

Win

**Limited angles** 

**Greasy hands** 

**Both hands are busy** 



**Voice dial** 

**Face Tracking** 

**Audible guidance for recipes** 

Audible alarms (timer...)







#### Record events to be remembered...

Can not record

Screen size is limited.



**AfoBot** 







#### 2. Voice assistant



AfoBot Video Companion Robot





The evolution phases of UX









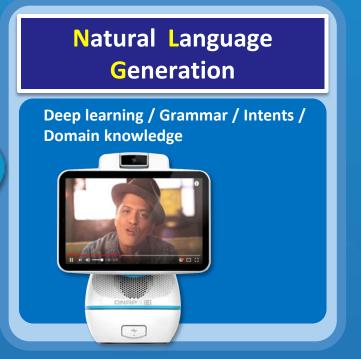


### Key factor of voice interface

#### Natural Language Processing











## Manage things with voice @home

Phone / Tablet

Weak

**AfoBot** 

Wir

Phone is for single person

It is designed mainly for touch.



For 1 or family members

Ask for weather

Voice to set alarm







### Manage things with voice @home



#### **AfoBot**

Win

Take picture with voice

Cloud album (10GB)

**Digital photo frame** 









# 3. Multimedia by Voice control

AfoBot Video Companion Robot





□ ×

#### Play what you asked for





#### **Development phases of AfoBot**



Infrastructure







### **Major features**

AfoBot Video Companion Robot



#### 8 major strengths



Click-n-home

Remote camera control

**Auto answer** 

**Face tracking** 

Group video call and recording

**Shared cloud album (10GB)** 

Personal voice assistant. (Weather, alarm)

Search and play multimedia with voice interactions







## **HW Spec**

# AfoBot Video Companion Robot



### Hardware design









**Use cases** 

AfoBot Video Companion Robot



#### AfoBot use cases (B2C)

Customizable hardware and software for different industries and demands

AfoBot will provide SDK for Android developer, content maker, and service providers for developing their own applications. And provide value-add applications in retail, health care and kindergarten.



Why AfoBot?

Companion

Video calls

**Voice assistant** 

**Education** 

**Health care** 

Surveillance



#### AfoBot @ Bank

1. Video customer service



3. Unmanned branch





#### AfoBot @ Hotel





- 1. Self check in
- 2. Remote housekeeper
- 3. Points of interests.
- 4. Room services and remote control
- 5. Video conference, real-time interpretation services.



#### AfoBot @ Health Care



• Doctors can access to multiple sites at same time.

- Instructions can be conveyed even when doctors are away from hospital.
  - Patients can be visited remotely.
  - Voice trigger for emergency help. Can be an addition option.





#### AfoBot @ Retail



- A new channel to engage with customers.
- New customer support method
- As a catalogue which provides more interactions.
- Provide tailored advertisement and recommendations based on age or gender.



#### AfoBot @Kindergarten



 Video feeds of the kindergarten can be accessed by parents.

- Kids can also dial to parents when they like to.
- Player of supplemental materials.







## Looking for partners

AfoBot Video Companion Robot



## Thank you!!

