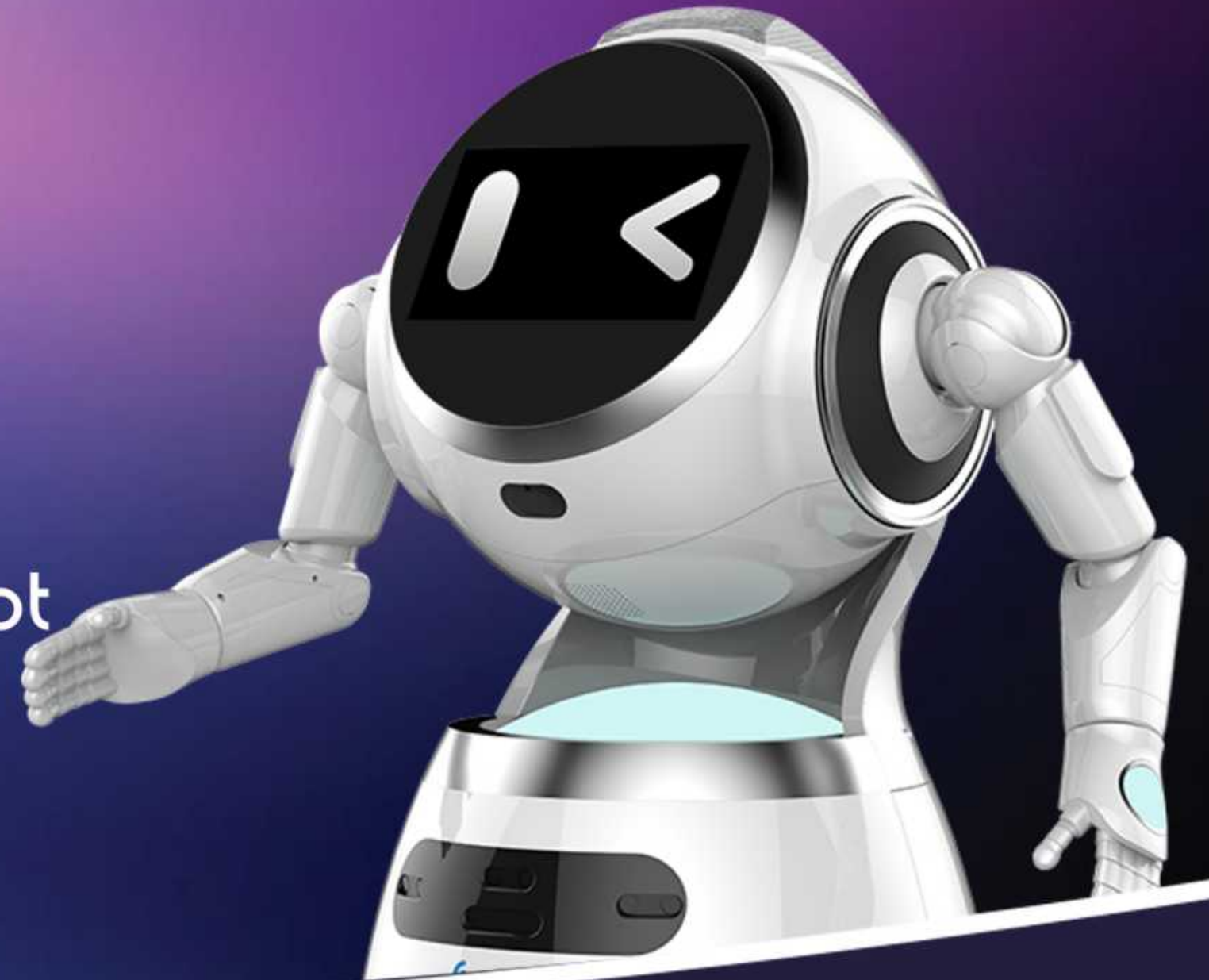


CrUZr

Cloud-based Intelligent  
Commercial Service Robot





**Customized, Cloud-based,  
Intelligent Humanoid Service Robot  
New Era for intelligent robotic service**

- **Cloud-based Robotic OS**
  - **Open API**
  - **Provide industry-specific solutions**
- ✓ Dealing with repetitive tasks
  - ✓ Optimizing human resources
  - ✓ Reducing operational costs
  - ✓ Increasing working efficiency
  - ✓ Improving quality of service
  - ✓ Improving customer satisfaction
  - ✓ Improving cooperate brand image





# Key Features



Friendly Human-like  
Design



Flexible presentation  
Marketing upgrade



Face Detection



Human-machine interaction  
Integrated large language model



Stereoscopic navigation  
Real-time obstacle avoidance



Customized personalization  
Infinite applications



# Friendly Human-like Design

- Humanoid Robot
  - 15 Degrees of Freedom (DoFs) in total
  - 12 DoFs on shoulders and arms
  - 360° abrasion resistant and quiet wheels
- 
- ✓ Enhanced agility with greater affinity
  - ✓ Enhanced trust and security for smooth stability
  - ✓ Rich Body Language





# U-SLAM Navigation System

Precision navigation, real-time obstacle avoidance, 360-degree comprehensive road conditions

U-SLAM stands for UBTECH SLAM (Simultaneous Localization and Mapping), which uses real-time localization and map building to achieve comprehensive 3D navigation and obstacle avoidance.



Real-time localization and map building

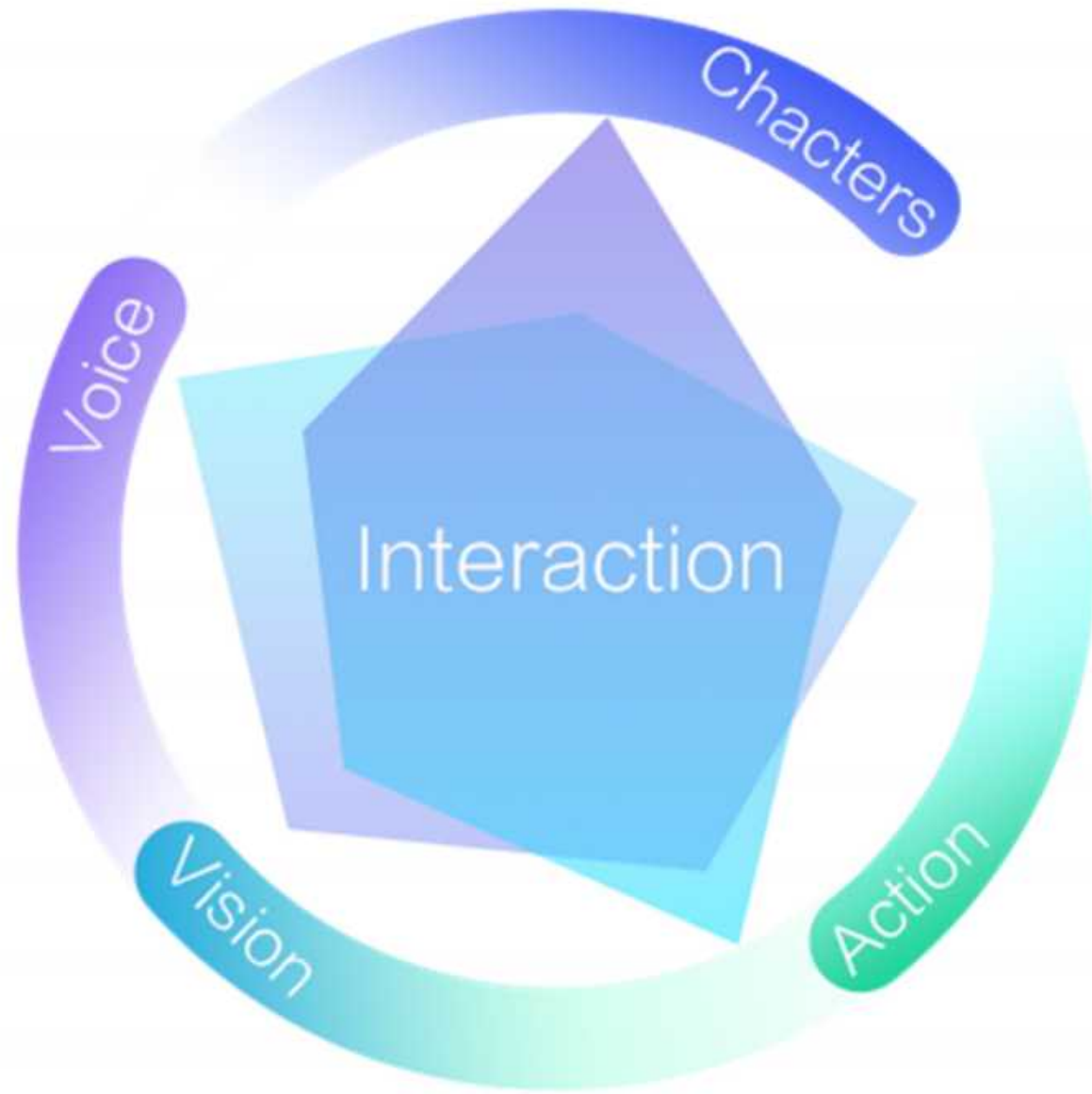


Six major sensors collaborate for comprehensive 3D navigation and obstacle avoidance

- 
- ✓ Adaptive to all road conditions
  - ✓ Arrive at any location with precision
  - ✓ An intuitive and customizable control experience



# Multi-modal Interaction

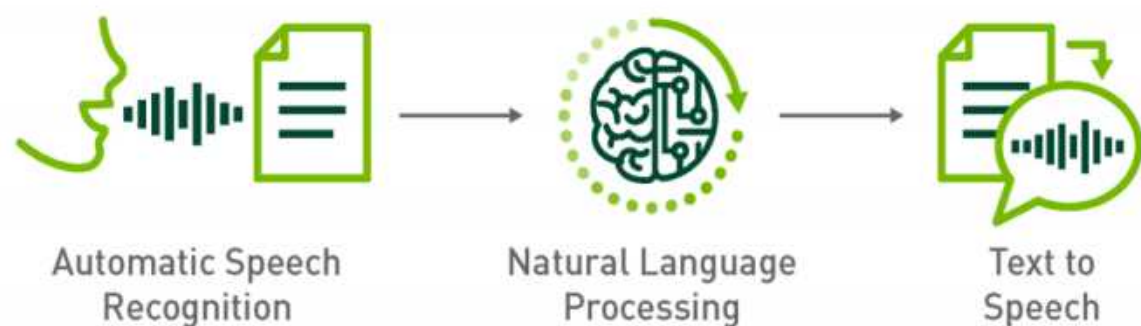


“Modality” means “sense” , Multi-modal interaction is an interaction with voice, action, text, expression and other modes of communication to fully simulate human communication.

- More expressive
- More humanlike
- More vivid



Upgraded with a new iteration and connected to a large model,  
making the machine's thinking and answers as smart and intelligent as humans !



- Language recognition is more "Accurate"
- Semantic understanding/reasoning ability is more "Powerful"
- The knowledge base customized questions and answers are more "Intelligent"
- Chat interaction is more "Smart", supporting custom roles and skills;
- Supports more languages, including Chinese, English, Spanish, Portuguese, French, Italian, Korean, etc.

# Enhanced Safe-Assurance with E-skin

## Auto power off protection on arms

- High Sensitivity
- Fast Response
- Soft
- Large Detecting Area

When any obstacles detected, the arms will stop moving which could avoid unexpected harm to people around and self-damaging.



High Sensitivity



Fast Response



Dual Protection



# Automatic Recharging Long-lasting Battery Life

- Automatic recharging based on infrared positioning system
- 8 hrs working time (24 hrs standby)
- High precision recharging location, low power consumption, high stability. The charging interface is more concealed and safer
- Multiple flexible charging options (manual charging, scheduled charging, automatic charging)



# Open API for personalized customization services

- Provide SDK packages and open API interfaces.
- Refer to the demo code and perform secondary development based on the application scenario.
- One-stop solution integration .





# Parameters



## Product Parameter

|  |   |                                |
|--|---|--------------------------------|
| Dimansion: 1240 mm x 650 mm X 537 mm (H x W x D)   | Weight: About 45 KG                       | Speakers: 85dB                 |
| Screen: 11.6-Inch TFT touch screen   | Resolution: 1920*1080                     | Sensors: RGBD depth camera x 1 |
| Maximum Obstacle Climbing: 3 cm  | Maximum Step Climbing: 2 cm               | TOF infrared sensor x 1        |
| Maximum Slope Climbing: 6.5°   | Network: Wi-Fi 2, 4G&5G                   | Closed ultrasound sensor x 3   |
| Speed: Normal speed: 0.3/0.5/0.7 m/s (maximum 1m/s)  | Electronic Skin: 3*2 (arms, 3 pieces/arm) | Open ultrasound sensor x 5     |
| LIDAR: 360° ,25m (radius)  |   | Magnetic sensor x 1            |
| Supported languages: Chinese, English,Spanish, Portuguese,Portuguasa(Brazilian),French, Italian Korean |   | Chassis infrared sensors x 6   |

## Core Components



# Application Scenarios



Garage



Medical  
Treatment



Traffic



Party  
Building



Retail



Government  
Affairs



Exhibition



Finance



Education



Hotel



# Full Scene Application Cases



# AI + Automotive Application Cases

BYD



腾势



When Cruzr sees a customer, it can play an active welcome function to improve the service temperature and technological level of the car store. It can also lead the customer to the designated location of different models of cars according to the customer's needs.



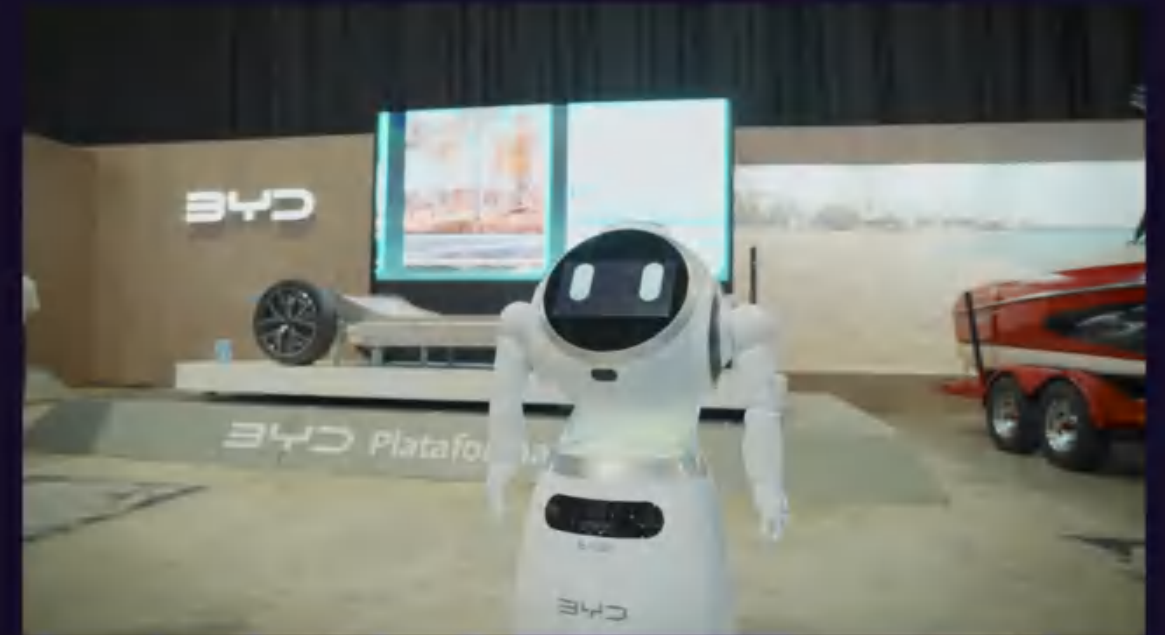
After training Cruzr with brand knowledge to become a professional 4S store shopping guide, Cruzr can provide car knowledge Q&A services when customers have questions about car parameters or prices.



During idle periods, Cruzr can engage in entertaining interactions with store customers to increase their dwell time in the store, making it particularly appealing to children accompanying visiting customers.



Cruzr can achieve fully automated, multi-point car explanations, thereby reducing the workload of store personnel and transforming into a "gold-medal presenter," enhancing customer perception of robot sales.





# AI+ Retail Application Cases

Jaymart 

## No. 1 Mobile Retailer in Thailand



Ubtech and Jaymart jointly signed the Cruzr entry contract. Thai Minister of Industry Udama attended and witnessed the signing ceremony.



Nearly 1,000 Cruzr robots will be stationed in Jaymart, it is of great significance for transformation of the traditional retail mode.



Utilizing the innovative technologies of AI robots to further accelerate the process of smart cities, thereby helping the development of "Thai Industry 4.0"





# AI+ Service Hall Application Cases



Australia' s Largest Operator



Telefonica Brazilian Subnet vivo



As the first robotic salesman in the flagship service hall, it provides help and guidance to customers, as well as inquiry and reception services.



In Telstra Intelligent Cafe, Cruzr serves as a robotic waiter, selling coffee to customers, improving sales volume and attracting attention



Providing inquiry service and simple business processing, etc.





# AI+ Airport Application Cases



昆明长水国际机场  
KUNMING CHANGSHUI INTERNATIONAL AIRPORT



长春龙嘉国际机场  
CHANGCHUN LONGJIA INTERNATIONAL AIRPORT



厦门航空 XIAMEAIR



Cloud Intelligent Q&A System with Deep Customization, Richness and Learning Extension



If you encounter a question-and-answer blind area or have urgent affairs to deal with, you can contact the video customer service center by Cruzr.



The only one in China to realize autonomous localization and navigation of robots in large scenes



Cloud service based flight information integration, which is accurate, efficient and real-time, guide customers to self-check-in machine





# AI+ Education Application Cases

## People's Primary School of Chongqing Liangjiang New District



Welcome teachers, students and visitors in exhibition halls, characteristic classrooms and activity rooms



Acting as a lecturer in characteristic classrooms and activity rooms, introducing the application situation to visitors



Promote the characteristic classroom knowledge, expand extracurricular knowledge and assist teachers in classroom interaction



Information introduction with video and pictures, more convenient for visitors to understand, and easier to get attention





# AI+ Hotel Application Cases



Accor Group of Hotels



Brazil Pullman Smart Hotel



Cruzr enters the high-end hotel smart service, provides information consultation, check-in and check-out services for guests



Provide customers with other intimate services, such as introduction of surrounding attractions, food recommendation, traffic status inquiries, etc.



As the front desk of the hotel, Cruzr is using technology to manage big data, reduce hotel operating costs and improve management efficiency.





# Achievement of Honor



36 kr "TOP List of Retail Innovation 2018"

Retail Innovation Product Award - Cruzr



Excellent AI Products in China Application Award - Cruzr



"Golden Finger"  
Innovative Product Award-Cruzr

商用服务机器人行业研究报告

36Kr Business Service Robot Industry White Paper Selection Case-Cruzr



EqualOcean AI Business Landing White Paper Selected Cases - Cruzr





Dream with Robots