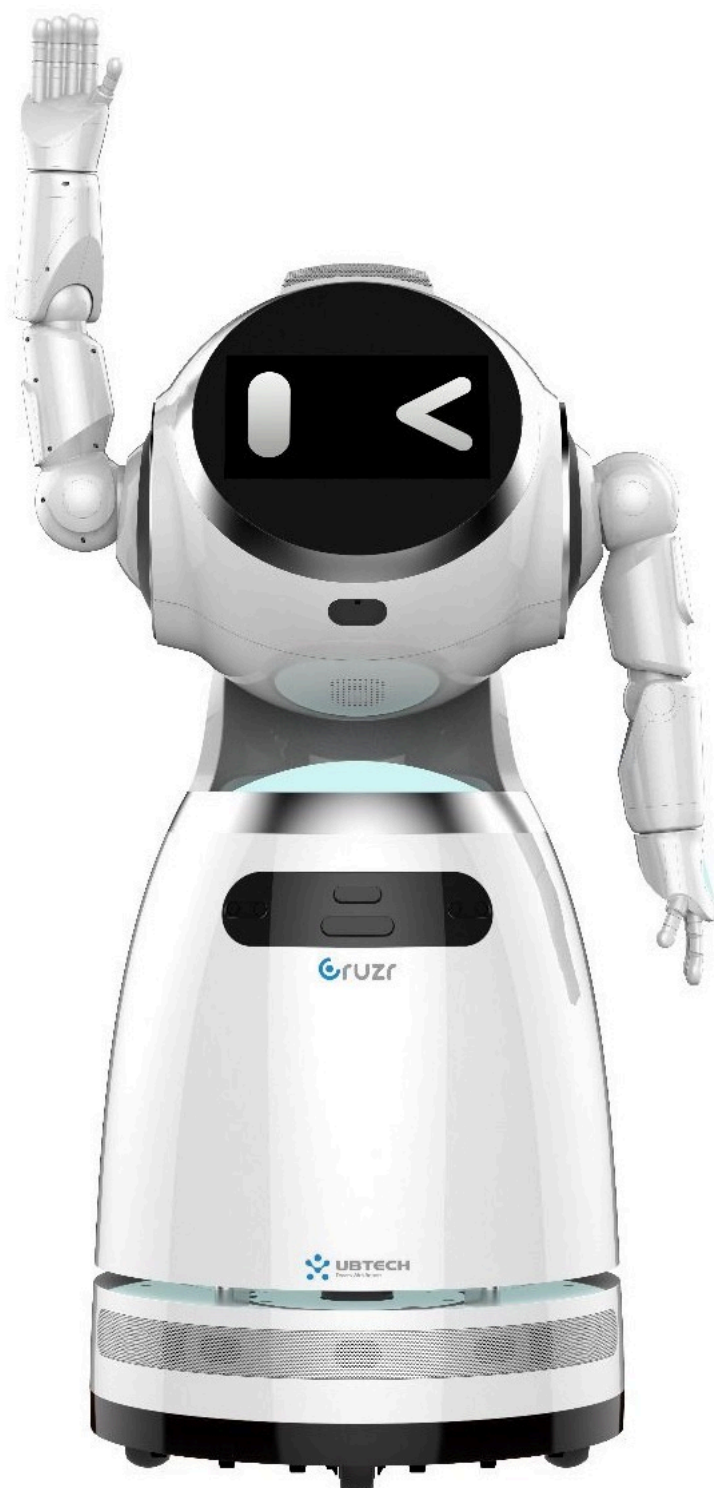


UBTECH ROBOTICS · COMMERCIAL
SERVICE ROBOT · ROBOTIX MARKET

CruZR 1S

Cloud-based intelligent
service robot for hotels,
retail, healthcare and
corporate spaces

A humanoid ambassador that greets,
guides, answers and promotes — for a full
working day on one charge.



A front-of-house presence that never tires

Cruze 1S is UBTECH's cloud-based intelligent service robot for customer-facing spaces. A humanoid silhouette, an expressive face and two articulated arms make it approachable; centimetre-level navigation, a multilingual language model and a fleet-management cloud make it useful — greeting visitors, guiding them, answering their questions and promoting what you offer.

Greeting & consultation

Greets visitors proactively, with VIP welcome messages for recognised guests. A built-in multilingual large language model handles questions and sales conversations.

Entertainment & promotion

An automatic parade mode with voice broadcasting, plus dancing and multimodal interaction, draws people in and drives traffic to what you sell.

Fleet & content management

A cloud platform configures interaction scripts, schedules tasks, pushes content and monitors robot status across multiple units, and integrates with existing business systems.

Navigation & guided tours

UBTECH's own U-SLAM system plans routes to centimetre precision; an upgraded depth-vision system supports guided tours through your space.

Smart-space hub

Connects to IoT devices — lights, curtains, air-conditioning, screens — to control and demonstrate them, acting as an intelligent display hub.

A full day on one charge

Command, scheduled and automatic charging modes. A single charge powers Cruze 1S for up to 8 hours, with 24 hours of standby.


8 h

RUNTIME PER
CHARGE

24 h

STANDBY

15

SERVO MOTORS

13 MP

HD CAMERA

360°

OBSTACLE
AVOIDANCE

Every part of Cruzr 1S has a job

6 + 0 microphone array

Voice pickup at up to 5 metres

Humanoid motion

15 high-performance servo motors across the body

360° obstacle avoidance

Stereo navigation with 6 sensors working together

Automatic recharging

Infrared auto-recharge sensor guides it to the dock



13-megapixel HD camera

High-definition vision for recognition and interaction

ToF cliff detector

Time-of-flight sensor prevents falls at edges and steps

Soft E-skin arms

Both arms covered in a highly soft, touch-friendly skin

Suspension drive

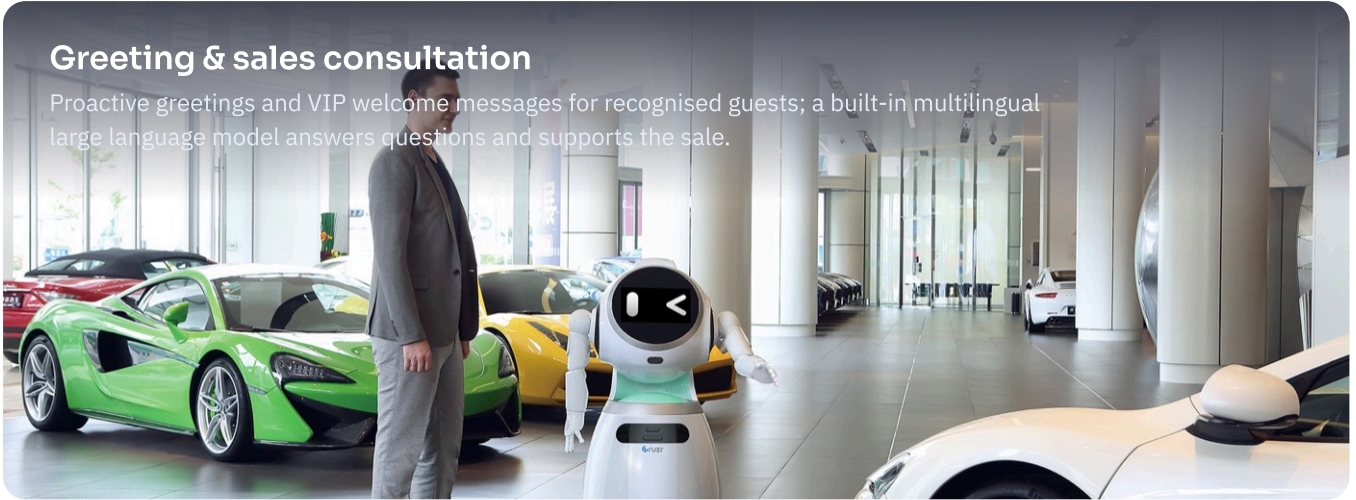
Wheel motors with shock-resistant suspension — quiet movement

HIGHLIGHTS

What sets Cruzr 1S apart

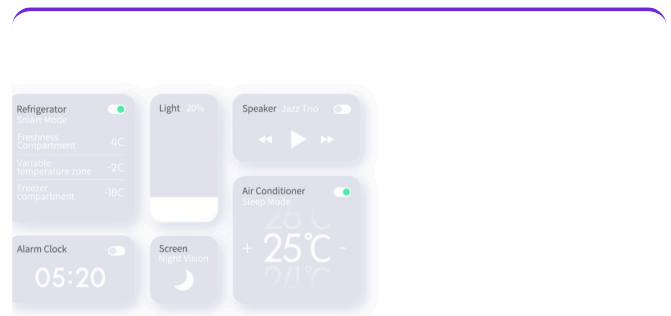
Greeting & sales consultation

Proactive greetings and VIP welcome messages for recognised guests; a built-in multilingual large language model answers questions and supports the sale.



Automatic recharging

Command, scheduled or automatic: it finds its dock by infrared and charges itself — up to 8 hours per charge, 24 hours standby.



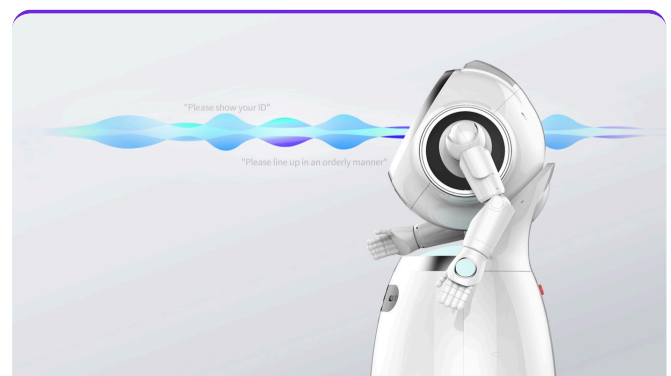
IoT smart-space control

Lights, curtains, air-conditioning, screens — Cruzr 1S connects to your IoT devices to control and demonstrate them, an intelligent display hub.



Guided tours with U-SLAM

Centimetre-level path planning and an upgraded depth-vision system guide visitors through museums, showrooms and offices.



Voice broadcasting & parade

Automatic parade mode announces, directs and promotes on the move — with dancing and multimodal interaction to draw a crowd.

One robot, many front doors

Hotels & resorts

Lobby welcome, wayfinding to rooms and facilities, concierge questions answered in the guest's language.

Retail & showrooms

Product promotion, parade-and-broadcast campaigns and demonstrations that turn footfall into conversations.

Healthcare

Waiting-room guidance, information delivery and queue support that frees staff for patients.

Corporate reception

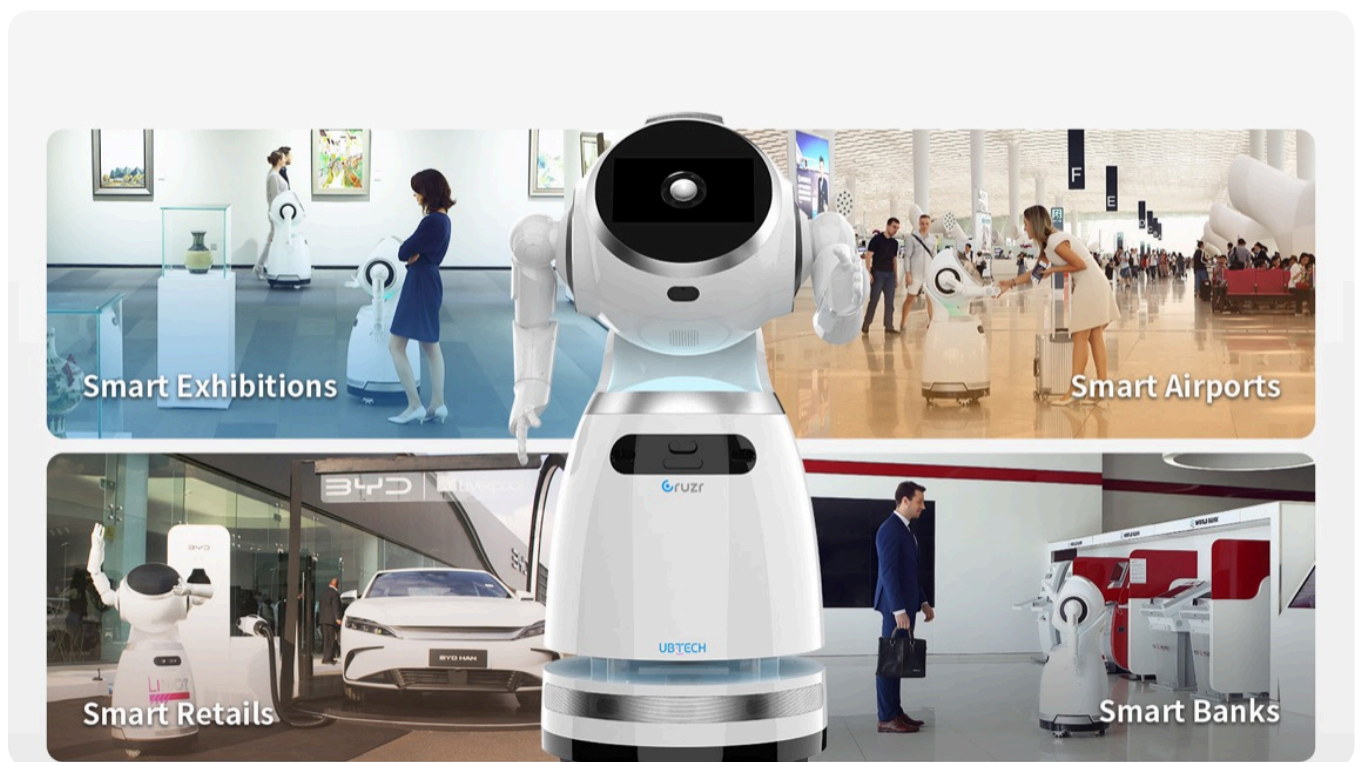
Visitor greeting, VIP recognition and guidance to meeting rooms — a consistent front-of-house presence.

Exhibitions & museums

Guided tours with multilingual explanation, centimetre-precise routes and scheduled programmes.

Restaurants & entertainment

Entrance greeting, dancing and promotions that make the venue memorable.



Interaction scripts, schedules and content are managed in UBTECH's cloud platform and pushed to one robot or a whole fleet; the platform integrates with your business systems so Cruzr 1S can answer with live information.

TECHNICAL SPECIFICATIONS

Cruzr 1S at a glance

BODY & MOBILITY

Dimensions (H × W × D)	1195 × 521 × 516 mm
Weight	45 kg
Form factor	Wheeled humanoid with articulated arms and hands
Motion	15 high-performance servo motors · 15 DoF whole body, 12 DoF across both arms
Arms	Soft E-skin covering both arms
Drive	3 omni-directional wheels on hub motors, 360° and silent; suspension, shock-resistant
Speed	0.3 m/s normal · 1 m/s maximum
Safety	Emergency-stop button; ToF anti-fall cliff detector

SENSING & NAVIGATION

Navigation	UBTECH U-SLAM, centimetre-level path planning
Obstacle avoidance	Stereo, 6 sensors working together, 360°
LiDAR	Laser radar for mapping and localisation
Depth vision	RGBD depth-perception camera (upgraded depth visual system)
Proximity	Sonar (ultrasonic) and infrared sensors
Inertial	9-axis IMU; magnetometer; Hall sensor
Docking	Infrared recharge receiver on the robot, emitter on the dock

INTERACTION

Screen	11.6-inch TFT HD touchscreen — the expressive face display
Camera	13-megapixel HD camera, 1080p video
Microphones	6 + 0 array in the head, voice pickup at up to 5 m
Speakers	Two-channel stereo, 2 × 3-inch, 2 × 6 W; LED indicator light
Language AI	Built-in multilingual large language model for Q&A and sales support
Behaviours	Proactive greeting, VIP welcome, gestures, dancing, parade with voice broadcasting
Telepresence	Video monitoring and video calls; remote control of recharging, speed, language, voice and content

POWER

Battery	20 Ah, 24 V (approx. 480 Wh)
Runtime	Up to 8 hours per charge
Standby	24 hours
Charging modes	Command, scheduled and automatic (self-docking)
Dock	Magnetic charging plug and socket, copper electrode strip

SOFTWARE & CONNECTIVITY

Operating system	Android & ROS
Wi-Fi	2.4 GHz / 5 GHz
Management	Cloud platform for scripts, schedules, content and multi-robot monitoring
Integration	Business-system integration; IoT control of lights, curtains, air-conditioning and screens

Sources: UBTECH Robotics product page and feature diagram (ubtrobot.com/en/commercial/products/cruzr-1s); UBTECH Cruzr 1S user manual (2019) and feature graphics; UBTECH specification block as published by our supplier; robotixmarket.com. Figures are the manufacturer's; where a value is not published it is left out rather than estimated.

NEXT STEP

Bring Cruzr 1S to your front of house

Tell us about your space and what the robot should do there. We will come back with a configuration, a delivery estimate to your address and a formal quotation.

Request a quotation

Web · robotixmarket.com/products/ubtech-cruzer-1s

Email · info@robotixmarket.com

Prices and configuration on request. Robotix Market ships worldwide.



Scan for the product page

Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with the full UBTECH manufacturer warranty and official documentation.

Support

Technical support is coordinated with the manufacturer's service network.

See it in action

youtube.com/watch?v=QqCiVJ6dRkk · youtube.com/watch?v=pGgYjzR4ZfM · youtube.com/watch?v=kLE7VdTKlkQ