



COMPANY INTRODUCTION

Located in Shenzhen – the city with the highest concentration of listed technology companies in China – Shenzhen ChipBroad & SkyHub (CBSH) Robot Co., Ltd. is a high-tech enterprise specializing in the R&D of core robotic technologies. The company is also engaged in the development and manufacturing of intelligent robotic products, offering a full range of integrated services from design and development to production.

With years of technical expertise, the company has obtained dozens of patents and software copyrights in AI algorithms, core robotic components, and robot operating systems (ROS). These technologies are widely applied in industrial, commercial, and educational scenarios.

We provide a wide variety of robotic products, customized application solutions, and software development services to meet the diverse needs of global clients across different robotic application scenarios. The company also accepts ODM and OEM customization for customers worldwide. To date, we have successfully served thousands of clients around the globe.



Our partners include Unitree, Dobot, Huayan, Sun Yat-sen University, Shenzhen University, and Tsinghua University. With multiple R&D bases established in different locations, we have built a comprehensive and intelligent robotic service ecosystem.



CUBO Y1G ROBOT DOLL

Designed to reduce mobile screen dependency and protect children's eyesight, the Cubo Y1G is an intelligent, screen-free companion that blends interactive learning with daily childhood routines. Powered by an advanced AI language model, it features child-optimized voice recognition for conversational learning and rapid Q&A.

SPECIFICATIONS

Parameter

Details

Product Model:	CBSH Simba Educational Robot
Product Dimensions:	188mm (L) * 111mm (W) * 94mm (H)
Material:	ABS
Net Weight:	0.35 kg
Storage Capacity:	8M Byte
Run Time:	Up to 8 hours
Rated Input:	5.0V ⇒ 1.0A
Hardware Interface:	Type-C USB Interface
Mechanical Freedom:	8 degrees of freedom, designed for action programming
Control Methods:	Exclusive App Control, Voice Commands, Overhead Touch Sensor



SIMBA EDUCATIONAL ROBOT

Simba is an advanced educational companion robot engineered to logical thinking, creativity, and high emotional intelligence in children. It allows young learners to easily program custom movements and group dances via an exclusive mobile application.

SPECIFICATIONS

Parameter

Details

Product Model:	CBSH Simba Educational Robot
Product Dimensions:	188mm (L) * 111mm (W) * 94mm (H)
Material:	ABS
Net Weight:	0.35 kg
Storage Capacity:	8M Byte
Run Time:	Up to 8 hours
Rated Input:	5.0V ⇒ 1.0A
Hardware Interface:	Type-C USB Interface
Mechanical Freedom:	8 degrees of freedom, designed for action programming
Control Methods:	Exclusive App Control, Voice Commands, Overhead Touch Sensor



XIAOYONG F6P AI EDUCATIONAL ROBOT

The Xiaoyong F3H is a smart AI educational robot designed to support children's learning through interactive voice conversation, English speaking practice, and curriculum-based lessons.

SPECIFICATIONS

Parameter

Details

Product Model:	CBSH F6P Educational Robot
Product Dimensions:	359mm (L) * 330mm (W) * 183mm (H)
Material:	ABS + PS
Battery Capacity:	6000mAh
Screen Size:	10.1-inch
Speaker:	4Ω3W
Input Power:	5V / 1A
Target Users:	Children, schools, training centers, STEM education programs
AI Functions:	Voice interaction, AI conversation, intelligent learning assistance
Programming Support:	Graphical/block coding and beginner programming education
Connectivity:	Wi-Fi / Bluetooth (Listed for app connection and control)
Control Method:	Mobile app control + voice interaction
Educational Features:	STEM learning, coding practice, logic training, interactive lessons
Audio Features:	Built-in speaker and microphone for voice communication
Display/Interaction:	Interactive expressions and educational feedback system
Power Supply:	Rechargeable battery
Charging Interface:	USB charging



XIAOYONG F3H AI EDUCATIONAL ROBOT

The Xiaoyong F3H is a smart AI educational robot designed to support children's learning through interactive voice conversation, English speaking practice, and curriculum-based lessons.

SPECIFICATIONS

Parameter

Product Model:
Product Dimensions:
Material:
Battery Capacity:
Screen Size:
Internal Storage:
Connectivity:
Camera / Video:
Voice System:
Learning Subjects:
Operating System:
Core AI Features:
English Learning:

Details

CBSH Xiaoyong F3H Educational Robot
315mm (L) * 233mm (W) * 167mm (H)
ABS + PC plastic
4000mAh
7-inch touchscreen display
16GB
Wi-Fi + Mobile App control
Supports video calling via app
AI voice interaction + voice recognition
Chinese, Math, English (primary & secondary level)
Android-based smart system (compatible platform)
Smart Q&A, conversation AI, encyclopedia knowledge
Pronunciation evaluation + speaking correction



AI DIAGNOSIS SYSTEM

AI-powered health diagnostic kiosk. Merging traditional wellness insights with advanced biometric technology, this intelligent desktop terminal offers a completely non-invasive, rapid health screening experience in just minutes.

SPECIFICATIONS

Parameter

Details

Product Model:	CBSH AIMDS-B222, CBSH AIMDS-B223, CBSH AIMDS-B224
Product Dimensions:	34cm (L) * 25cm (W) * 45cm (H)
Weight:	5KG
Operating Noise:	≤ 65 dB
Power Input:	AC 100V — 240V
Rated Power:	14W
Camera:	5 million pixels + built-in microphone
Intelligent Control:	Full voice broadcast, AI human-machine dialogue
API Support:	Interface documentation provided
Operating Temperature:	-10°C ~ + 50°C
Relative Humidity:	30% ~ 70% (at 25°C)
Atmospheric Pressure:	860hPa ~ 1060hPa
Pulse Rate Range:	25 ~ 250 bpm
Pulse Rate Accuracy:	± 2 bpm
Blood Oxygen (SpO2) Range:	35% ~ 100%
SpO2 Resolution:	1%
SpO2 Accuracy:	80% ~ 100% (± 2 %); 70% ~ 79% (± 3 %)



PHYSIOTHERAPY ROBOT

A smart, 3-axis automated system designed to deliver precise and safe traditional moxibustion treatments with modern AI technology

SPECIFICATIONS

Parameter

Product Model:
Degrees of Freedom:
Product Dimensions:
AI Voice Dialogue:
Triple "Ironing" Insurance:
Moxibustion Techniques:
Intelligent Control:
Course Customization:
API Docking:
Security Protection:
Product Liability Insurance:
Operating Temperature:
Operating Humidity:
Operating Altitude:
Bed Height (In Use):
Bed Height (Storage):
Weight:

Details

CBSH AJ-D255
3-Axis
85cm (L) * 45cm (W) * 125cm (H)
Full voice prompts; AI-powered human-computer dialogue
High-density filter + intelligent anti-scalding + emergency braking
Mild, meridian, life-preserving, sparrow-pecking, and rotary
Intelligent ignition/smoke purification; precise adaptive positioning
Supports personalized physiotherapy plan customization
Supported (Interface documentation provided)
Collision detection, distance protection, emergency stop
Product liability insurance purchased
-10°C + 40°C
≤ 85% (at 25°C)
< 4000 m
63 cm
75 cm
125KG



MULTIFUNCTIONAL MASSAGE ROBOT

6-axis intelligent therapy system designed to deliver professional-grade massage treatments with exceptional accuracy and consistency.

SPECIFICATIONS

Parameter

Details

Product Model	CBSH SD2-B300
Product Dimensions:	75cm (L) * 55cm (W) * 145cm (H)
Degrees of Freedom:	6-Axis (6-DOF)
Weight:	125KG
Operating Noise:	≤ 65 dB
Power Input	AC 100V — 240V
Product Certification	GB4706.1-2005 / GB4706.10-2008
Massage Techniques:	Point-to-point, Circular, and Zigzag/Polygonal paths
Massage Speed Range:	0.001 m/s to 0.100 m/s (Real-time adjustable)
Voice Interaction:	Smart reminders throughout different therapy stages
Customization:	Personalized massage programs and OEM services available
Operating Temperature:	-10°C + 40°C
Operating Humidity:	≤ 85% (at 25°C)
Operating Altitude:	< 4000 m
Intelligent Therapy Heads:	Radio Frequency head and Shockwave/Point-array therapy head
6-DOF Robotic Arm:	Designed to perfectly adapt to the human body's curved.
Connectivity:	Cloud.IoT for data synchronization and smart management.



AI COFFEE ROBOT

AI Coffee Robot is a fully automated, 6-axis robotic barista system designed to deliver high-quality, customizable beverages with efficiency and consistency.

SPECIFICATIONS

Parameter

Details

Product Model	CBSH CF-C-SJAN02-04
Product Dimensions:	1500mm (L) * 1300mm (W) * 2180mm (H)
Degrees of Arm Freedom:	6-Axis
Weight:	800 Kg
Coffee Flavors:	10-20 types (Customizable flavors)
Cup Type	Standard 380ml
Coffee Strength & Ice Option:	Adjustable Ice Options (With ice / No ice)
Sugar Level:	Adjustable(Extra/Less/No Sugar)
Topping Module:	Supports Various Additional Toppings
Machine Power:	3500W
Daily Capacity:	150-200 medium cups per single refill
Operating Time:	24/7 continuous operation
Screen Size:	Ad Screen Size (27 Inch) Ordering Screen (21.5 Inch)
Milk Temperature:	Default 2-4°C (Adjustable)
Backend System:	Multi-dimensional data management
Recipe System:	Intelligent recipe matching and adjustment
Smart Alerts:	Low stock alerts, fault/error notifications



AI ICE CREAM ROBOT

The CBSH Automated Ice Cream Kiosk is a fully autonomous, 24/7 smart dessert station driven by a precise six-axis robotic arm.

SPECIFICATIONS

Parameter

Details

Product Model	CBSH RR-C-SJAN01-01
Product Dimensions:	L1500mm × W1300mm × H1900mm
Degrees of Arm Freedom:	6-Axis
Weight:	600 Kg
Sauce Flavor:	8 types of jam
Small Fruit Chips	2 types of broken fruits
Create Flavors	20+ types
Cup Capacity	200 ml
Cup Caliber	90 mm
Cup Bucket Capacity	200-300 pieces
Cup Dropping Machine	2
Ice Cream Cone Capacity	12 L
Whole Machine Power	Peak 3500W
Advertising Screen Size	27 inches
Single Order Screen Size	21.5 inches
Run Time	365 days × 24 hours continuous operation
Production Capacity	100-120 cups



AI MILK TEA ROBOT

Eliminate labor overhead and management costs with an autonomous robotic system engineered for continuous, high-volume performance in busy transit hubs.

SPECIFICATIONS

Parameter

Product Model
 Product Dimensions:
 Degrees of Arm Freedom:
 Weight:
 Sauce Type:
 Sauce Capacity:
 Tea Base Type:
 Tea Base Capacity:
 Cup Type:
 Sealer:
 Temperature selectable:
 Adjustable Sugar Level:
 Ice bucket capacity:
 Ice Dispensing Capacity:
 Freezer capacity:
 Rated Power:
 Peak Power:

Details

CBSH Intelligent Robot Milk Tea Vending Kiosk
 1700mm (L) * 1450mm (W) * 2000mm (H)
 6-Axis
 <800kg
 8 kinds (including solid particles)
 Maximum 10L for each kind of bin
 4 kinds
 20L per type
 500ML frosted cup (90 caliber)
 Sealable 2000 cups
 Ice/room temperature/hot drinks
 Normal Sugar/Less Sugar/No Sugar
 4L
 1000kg/24h
 1000L
 150-2000W
 3500W



AI COCKTAIL ROBOT

Powered by advanced AI recipe management, the robot accurately mixes ingredients to deliver premium cocktails with consistent taste and presentation every time.

SPECIFICATIONS

Parameter

Details

Product Model	CBSH DK-C-AN03-03
Product Dimensions:	1500mm*Width 1300mm*High 1830mm
Degrees of Arm Freedom:	6-Axis
Weight:	800kg
Flavour:	50+
Number of wine base:	28-32
Beverageflavors:	4-6 types
Ice Level:	Ice/No ice
Ice making capacity:	100Kg/24h
Making time:	90s
Fuselage Material:	Metal casing, tempered glass exterior
Power:	2000W
Order screen size:	21.5 inches
Advertising machine size:	27 inches
Cup capacity:	260cc
Cup quantity capacity	200
Cup diameter	90mm



AI BARTENDER ROBOT

onsistent drink quality elevates the overall guest experience while reducing service delays. Guests can enjoy premium drinks around the clock while experiencing cutting-edge robotic entertainment.

SPECIFICATIONS

Parameter

Details

Product Model	CBSH DK-O-SJAN01-02
Product Dimensions:	1800mm (L) * 2000mm (W) * 2000mm (H)
Degrees of Arm Freedom:	6-Axis
Weight:	350KG
Number of Dispensers:	12
Cocktail Varieties:	10-20 kinds
Ice Production Capacity:	100Kg/24h
Production Speed:	45s
Total Weight:	350KG
Main Structure:	Sheet metal + Aluminum alloy
Power Rating:	3000W
Robotic Arm Type:	6-axis robot arm
Ordering Screen Size:	13.3 inch
Operating Time:	Continuous operation 24 hours a day, 365 days a year
Recipe System:	Intelligent recipe matching and adjustment
Intelligent Alerts:	Out of stock reminder, Malfunction/Fault alarm



EXOSKELETON ROBOT

The compact and lightweight frame allows for barrier-free access to elevators and small domestic spaces, providing precise, repetitive walking training that improves strength and cardiopulmonary function within the home.

SPECIFICATIONS

Parameter

Details

Product Model

CBSH WAL-D1, CBSH WAL-D2

Applicable Weight:

≤ 100 kg

Applicable Height:

150cm – 90cm

Safety Features:

Full frame design to prevent falling & one-button emergency stop.

Core Functions:

Stimulates nervous system remodeling & rehabilitates locomotor.

Training Capability:

Precise and repetitive walking training to improve walking ability

Health Benefits:

Muscle strength, blood circulation, cardiopulmonary function.

Systemic Benefits:

Promotes intestinal peristalsis, improves constipation.

Operation:

Features a clear operation interface that is easy to start and stop.

Portability:

Compact and lightweight design for barrier-free access to elevators and small spaces.

Scope of Application:

Designed for people with lower limb locomotor dysfunction to assist in standing and walking.

Usage Locations:

Suitable for home, apartment, complexes, parks, and other similar places.



WALKING ASSISTANCE ROBOT

A lightweight, medical-grade wearable device designed to redefine mobility for the elderly and fitness enthusiasts. Weighing only 1.8kg it features a powerful integrated dual-gear motor and a high-capacity 3300mAh battery that provides over 120 minutes of continuous support.

SPECIFICATIONS

Parameter

Details

Product Name:	Exoskeleton Walking Assistance Robot
Product Weight:	Approximately 1.8kg
Battery Capacity:	3300mAh
Battery Life:	≤ 120 minutes
Assistance Levels:	1-5 Levels
Operating Modes:	Elderly assistance, sports, left/right assistance, fat-burning training
Scope of Use:	Walking on flat ground, climbing stairs, and outdoor sports
Core Motor Technology:	Integrated precision dual-gear transmission motor for high power and durability.
Design Standard:	Medical device grade standard focusing on safety and stability Energy System.
Energy System:	Kinetic energy recovery system to convert motion into electricity and extend battery life.
Control Logic:	Customized movement control algorithms based on the physiological traits of the elderly.
Safety Features	Built-in night light for low-light environments and real-time movement intention sensing.



ROBOTIC DOG M1

The Advanced Hybrid Mobility Robot is a high-performance, multi-terrain solution designed for demanding operational environments. Featuring both wheeled and legged mobility, it delivers exceptional speed and agility—reaching over 8 m/s on wheels and 4 m/s in legged mode—while easily navigating obstacles up to 80 cm and climbing steps over 22 cm.

SPECIFICATIONS

Parameter

Details

Product Model:	CBSH M1
Standing Dimensions:	~92 × 48 × 57 cm
Lying Dimensions:	~93 × 63 × 20 cm
Weight:	~40 kg (including battery)
Battery:	20Ah dual battery (hot-swappable)
Battery Life:	5h (no load), 3.5h (load)
Load Capacity:	25–30 kg
Max Speed:	>8 m/s (wheeled), >4 m/s (legged)
Obstacle Clearance:	80 cm
Step Climbing	>22 cm
Working Temperature:	-20°C – 55°C
Protection Level	IP54
Interfaces:	Ethernet, USB, SBUS, UART, Power



ROBOTIC DOG L1

The Compact Quadruped Robot L1 is a lightweight and agile mobility solution designed for efficient operation in indoor and semi-outdoor environments. With a portable 15 kg design and a load capacity of up to 10 kg, it is well-suited for inspection, research, and light-duty delivery tasks.

SPECIFICATIONS

Parameter

Details

Product Model:	CBSH L1
Standing Dimensions:	~63 × 36 × 41.5 cm
Lying Dimensions:	~67 × 42.5 × 14.5 cm
Weight:	~15 kg (including battery)
Battery:	5Ah, 43.2V
Battery Life:	1–2 hours
Range	6 km
Load Capacity:	~8 kg (max ~10 kg)
Max Speed:	3.7 m/s (limit 5 m/s)
Step Climbing	>16 cm
Working Temperature:	0°C – 40°C
Protection Level	IP54
Interfaces:	Ethernet, USB, SBUS, UART, Power



ROBOTIC DOG L1-W

The Compact Quadruped Robot L1 is a lightweight and agile mobility solution designed for efficient operation in indoor and semi-outdoor environments. With a portable 15 kg design and a load capacity of up to 10 kg, it is well-suited for inspection, research, and light-duty delivery tasks.

SPECIFICATIONS

Parameter

Details

Product Model:	CBSH L1-W
Standing Dimensions:	~63 × 44 × 45.5 cm
Lying Dimensions:	~69 × 58 × 14.5 cm
Weight:	~20 kg (including battery)
Battery:	5Ah, 43.2V
Battery Life:	1-2 hours
Range:	9 km
Load Capacity:	~10 kg (max ~12 kg)
Max Speed:	3.7 m/s (limit 5 m/s)
Obstacle Clearance:	65 cm
Step Climbing:	>16 cm
Working Temperature:	0°C – 40°C
Protection Level:	IP54
Interfaces:	Ethernet, USB, SBUS, UART, Power



ROBOTIC ARM

High-Precision Batch Handling
Optimize throughput with synchronized robotic arms designed for rapid, repetitive picking, Logistics & Fulfillment Centers, sorting in modern manufacturing, Laboratory & Research Hubs, Advanced Surgical Theaters and so on.

Robotic Arm Series: E-Series Technical Specifications

Parameter	E03	E05	E05-L	E10	E10-L	E12	E15
Weight	18kg	25kg	26kg	43kg	45kg	70kg	60kg
Rated Payload	4kg	7kg	5kg	12kg	10kg	12kg	18kg
Working Range	590mm	800mm	950mm	1000mm	1300mm	1800mm	1300mm
Power Consumption	100W Typical	180W Typical	180W Typical	350W Typical	350W Typical	600W Typical	600W Typical
Joint Motion Range	J1, J4, J6: ±360° J2-J6: +135° J5-J6: 147°s	J1, J4, J6: ±360° J2-J6: +155° J5-J6: 180°s	J1, J4, J6: ±360° J3-J6: +153° J5-J6: 180°s	J1, J4, J6: ±360° J2-J6: +153° J5-J6: 180°s	J1, J4, J6: ±360° J2-J6: +153° J5-J6: 180°s	J1, J4, J6: ±360° J2-J6: +153° J5-J6: 150°s	J1, J4, J6: ±360° J3-J6: +153° J5-J6: 150°s
Max Joint Speed	J1-J4: 180°/s	J1-J4: 180°/s	J1-J4: 200°/s	J1-J4: 180°/s	J1-J4: 150°/s	J1-J4: 120°/s	J1-J4: 150°/s
Max End-Effector Speed	2m/s	3m/s	3m/s	2m/s	2.5m/s	2.5m/s	2m/s
Repeatability	±0.02mm	±0.02mm	±0.02mm	±0.03mm	±0.03mm	±0.05mm	±0.05mm
DoF	6						
End-Effector I/O Ports	Digital In: 3, Digital Out: 3, Analog In: 2						
Control Box I/O Ports	Digital In: 16, Digital Out: 16, Analog In: 2, Analog Out: 2						
I/O Power Supply	24V 2A						
Communication	TCP/IP, ModbusTCP, Profinet (Optional), Ethernet/IP (Optional)						
Programming	Graphical programming, Remote call interface						
IP Rating	IP54/IP66 (Optional)						
Collaborative Operation	10 Advanced Safety Configuration Functions						
Main Material	Aluminum Alloy						
Ambient Temp	0-50°C						
External Power	200-240V AC (Optional 110-240V AC), 50-60Hz						

E-Series