

## L7

## Full-size Bipedal Humanoid Robot



Product Model	ROBOTERA L7
Height	1.71 m
Weight (without dexterous hand)	65 Kg
Total DOF (with dexterous hand)	55
Whole-body DOF (excluding dexterous hands)	31
Knee Joint Peak Torque	400 N·m
Knee Joint Peak Speed	25 rad/s
Running Speed	4 m/s
Battery Capacity	60 V 15 Ah
Compute Performance	80 TOPS(x86)+275 TOPS(Orin)
Binocular Camera	✓
3D LiDAR	✓
Microphone Array & Speaker	✓
Dual-arm Payload (with arms flexed at 90 degrees)	20 Kg
Arm Span	1660 mm
Diameter of Operating Range	2.1 m
Dexterous Hand	XHAND1 (Fully Direct-driven, 12 Active DOF, Humanoid Five-finger Dexterous Hand)

171cm



55 Degrees of Freedom (DOF),  
Whole-body Dexterity



400 N·m 25 rad/s  
Top-performing joint module in  
China, developed in-house



360°  
Rotational Jump  
with Explosive Power



20 kg Payload with  
dual arm bending  
elbow.



4 m/s Running  
Speed,  
Record-breaking



7-DoF Humanoid Robotic  
Arm, Replicating Human  
Manipulation Abilities



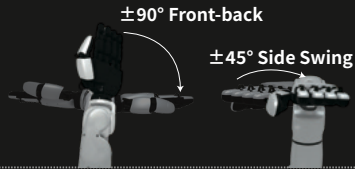
10 Clicks per Second,  
E-sports-level Speed



12-DoF Dexterous Hand, Fully  
Direct Drive, Anthropomorphic



Cross-axis Wrist, Dynamic Upgrade



2.1 Diameter Working Space,  
Wide-range Operation



360° Field of View,  
Full-domain Perception

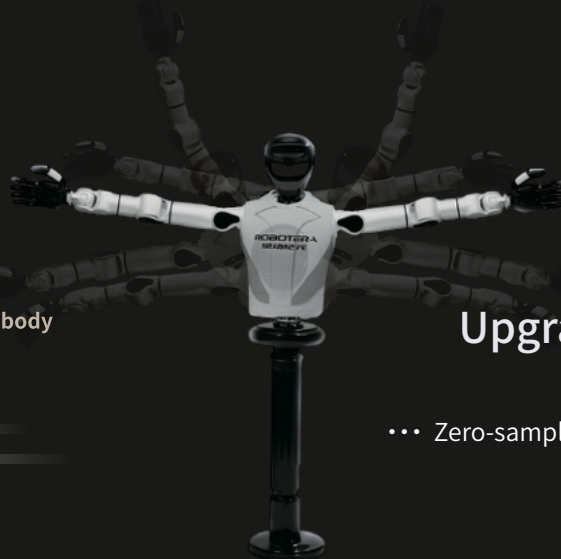
Equipped with Binocular Vision  
and 3D LiDAR,  
Enables Complex Environmental  
Adaptation



## China's First

VLA Model ERA-42 Drives a 55-DOF Full-body  
Bipedal Humanoid Robot

Full body or Upper body  
No longer a hard decision



ROBOTERA M7

Upper body torso

Upgrade

... Zero-sample Transfer ...>



ROBOTERA L7

Complete Robot

## Super Fun in Entertainment

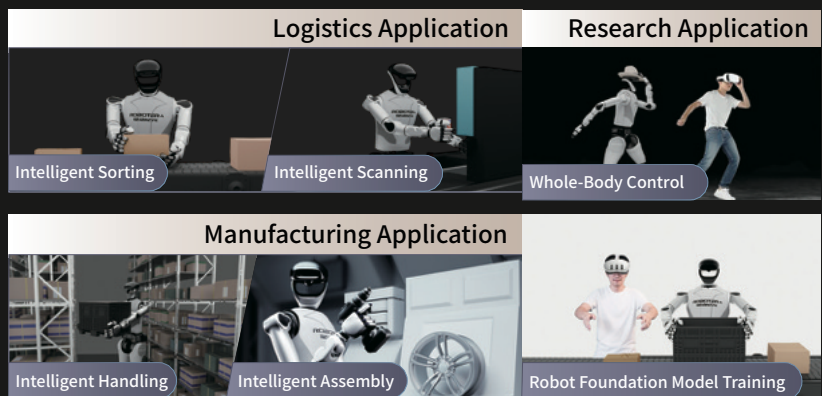


Hip-hop Performance

Bartending Performance

360° Rotational Jump

## Superb in Work



Logistics Application

Research Application

Intelligent Sorting

Intelligent Scanning

Whole-Body Control

Manufacturing Application

Intelligent Handling

Intelligent Assembly

Robot Foundation Model Training