



PUDU D7

The First-Generation
Semi-Humanoid Robot
by Pudu Robotics





PUDU D7 developed by Pudu X-Lab

Human-Like Upper Body & Bionic Arms:

Perform precise, versatile tasks and facilitate intuitive human-robot interaction.

Omnidirectional Chassis:

Ensure flexible movement, environmental adaptability, and autonomous navigation.



Core Specifications



Height

165 CM

Single Arm Reach

65 CM

Battery Life

8+ Hours

Computing Power

200 TOPS

Degrees of Freedom

30 DOF

Payload

20 KG

Key Features



High-Performance
Computing Platform

360°

High-Performance
Omnidirectional
Chassis



High-Accuracy
Positioning
and Navigation



High Payload
Bionic Arm



High-Performance
Hybrid Control



Generalized Learning
Operations



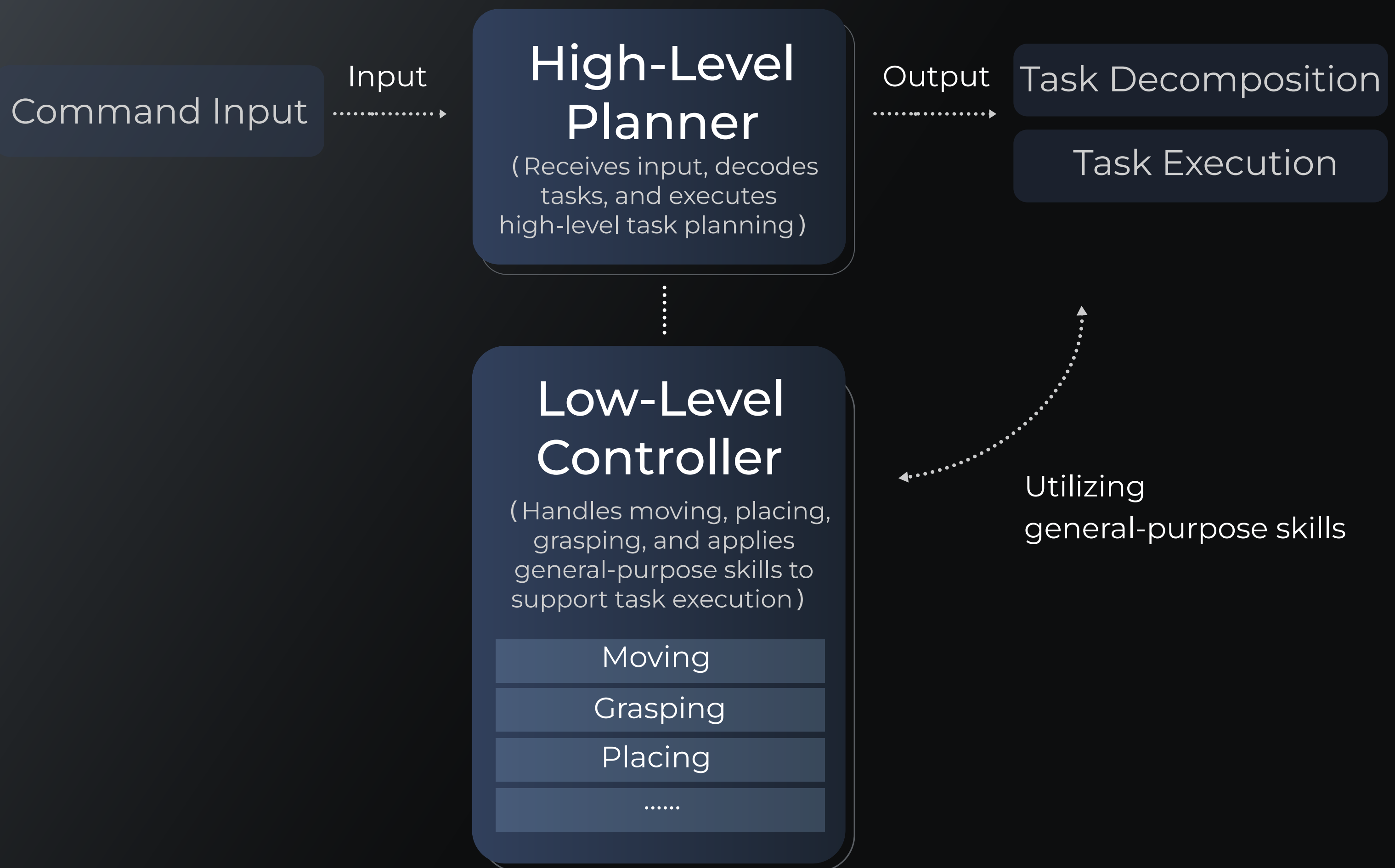
Multimodal
Perception



High Degree of
Freedom in Mobility

PUDU Embodied Intelligence Technology Architecture

Through this architecture, PUDU D7 can efficiently perform tasks in complex environments and continuously enhance its performance over time.



Pudu OS

Pudu AI Studio

Pudu Sim

Pudu Cloud

(Provide software, AI tools, and simulation environments to enable the PUDU D7 robot to function, learn, and improve)

Manipulation Bionic Arm



5.5 KG

Bionic Arm Weight

10 KG

Single Arm Load Capacity

65 CM

Single Arm Reach

0.1 MM

Bionic Arm
End-Point Repeatability Accuracy

5 Rotational Joints + **2** Linear Joints

Single Arm Degrees of Freedom

Mobility

Omnidirectional Chassis

Max Speed

2 M/S

Max Acceleration

2 M/S²

Obstacle Climbing Height

50 MM

Movement Direction

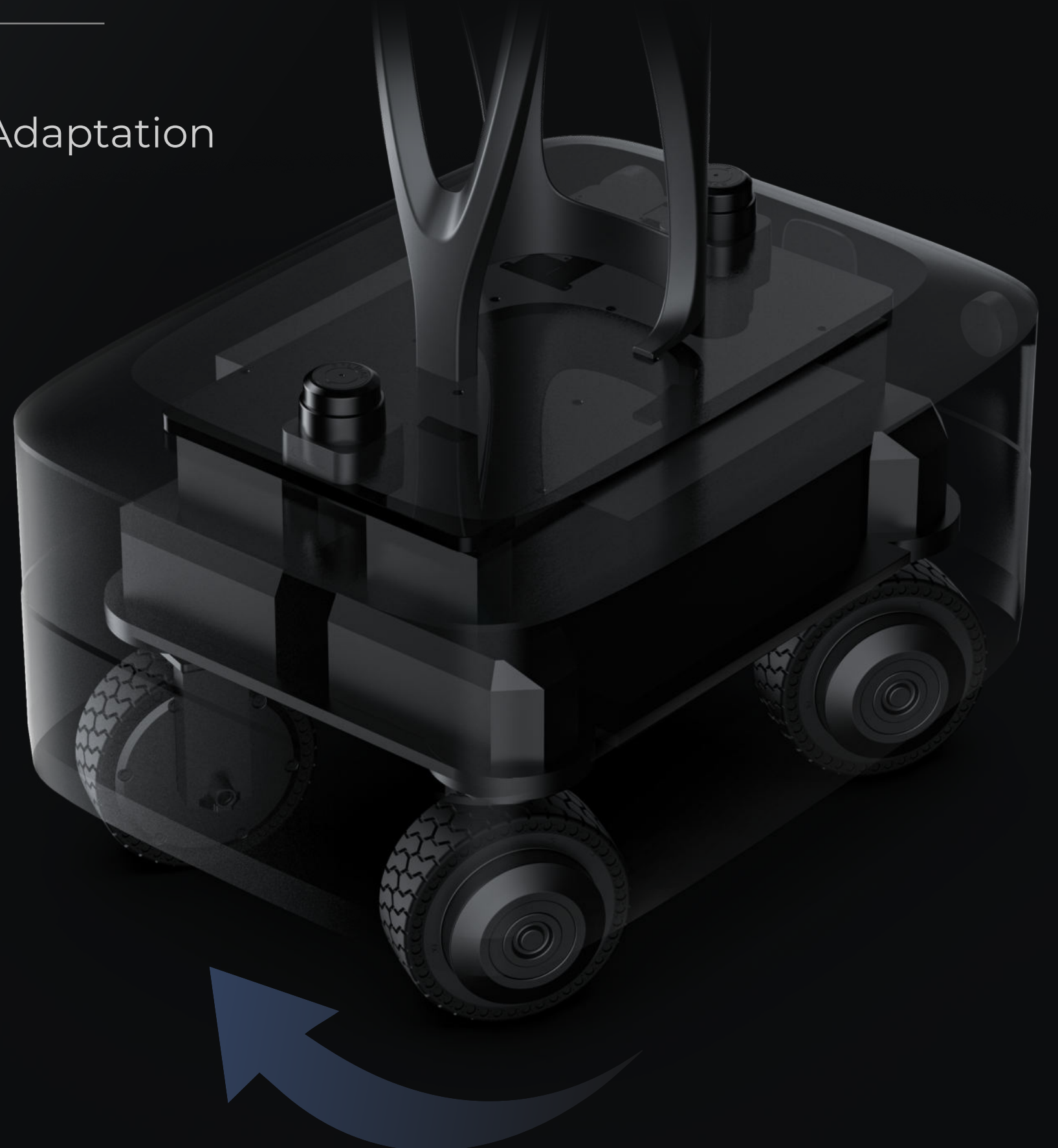
360°

Load Capacity

100 KG

Max Slope Adaptation

10°



Empowering Learning through Multi-Layered Data

Leveraging multiple data types decreases training costs and enhances robots' ability to perform smarter tasks.



Future Intelligent Integration Across Industries



Food &
Beverage



Retail



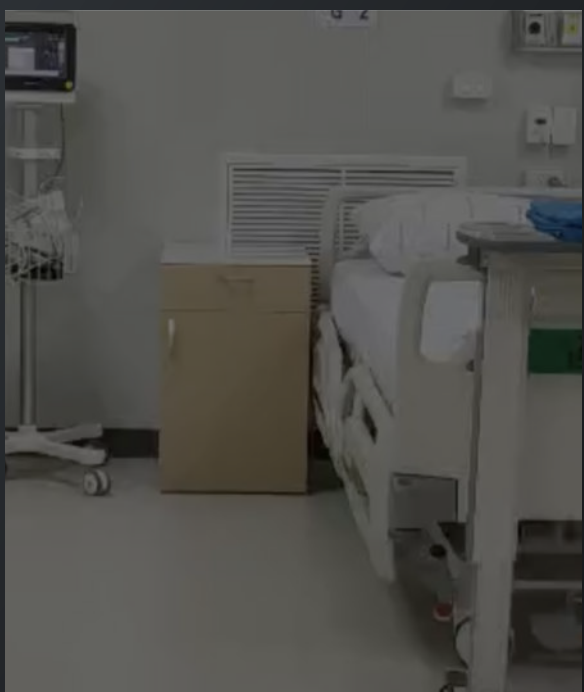
Hospitality



Industrial
Facility



Residential
and Office
Buildings



Health
Care



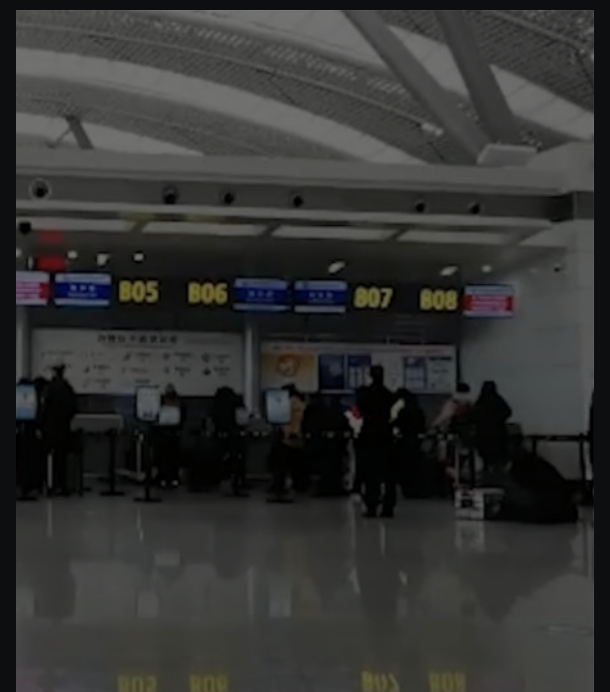
Education



Entertainment
& Sport



Public
Service



Transportation

COMING SOON

