

Intelligent Basketball Machine

Product and Function Description

A shared arcade machine suitable for schools, parks, commercial districts, basketball training facilities, and individual household use; it occupies less than 4 square meters and enables training in shooting and dribbling skills; it is also known as a mini-court. It features dual-circuit power supply (220 V and 36 V), with a switch between commercial and private use modes, and can be connected to a vending machine for automatic prize distribution.

The basic technical and product specifications are as follows:

Weight after packaging: approximately 160 kg

Product dimensions: Length 200 × Width 170 × Height 295 cm

Packaging dimensions: length 140 × width 180 × height 220 cm (folded)

Total power: 135 W during operation, comprising 75 W for the serving machine and 60 W for lighting.

Motor: 36V brushless speed-regulated

Adjustable basket height: 2.65–3.05 m

Operating voltage: AC 220 V or 110 V DC, 9 V–36 V

Operating current: average 60 mA–80 mA; maximum 170 mA; 12 V

Operating temperature: -35 °C to 75 °C

Storage temperature: -35 °C to 90 °C

Operating modes: Transparent transmission mode, UDC mode

Command Setup: AT+ Command Structure

Network protocols: TCP/UDP/DNS

Maximum TCP connection count: 2

User configuration: serial port AT commands, network AT commands, SMS AT commands

Photoelectric sensor detection range: 1–50 cm



Response time: 0.5 ms

Light source: Infrared light / red light

Output mode: N=NPN. NO N2=NPN. NC P=NPN. NO P2=NPN. NC NC=NPN. NO. NC PC=PNP. NO. NC

Current consumption: ≤25 mA

Operating voltage: 12–24 VDC ±10%; ripple below 10% (P–P)

Load current: 100 mA

Leakage current: ≤0.01 mA

Isolation resistance: ≥20 MΩ

Insulation withstand voltage: 1000 VAC, 50–60 Hz, 1 min

Environmental humidity: 35–95% RH

Ambient temperature: -10–50 °C

Material: ABS/PC/PB

Protection rating: IP65