

Facial Recognition Camera

SBC-2501

SBC-2501 is a compact, fast, and outdoor-ready **face recognition terminal** built for access control and attendance. With **night vision**, **IP-rated weatherproofing**, and a **high-speed monocular camera**, it supports **up to 50,000 faces** and is ideal for demanding environments. It runs on **Linux OS**, supports **MQTT**, and offers full SDK/API integration.

Features and Benefits:

- Monocular facial recognition with 1–10m detection range
- Ultra-fast face recognition in $\leq 150\text{ms}$ for instant authentication
- Stores up to 50,000 face templates and 100,000 event records
- Night vision support for reliable low-light operation
- Built-in siren with alarm I/O for real-time security alerts
- Waterproof and weatherproof for harsh outdoor environments
- One-way audio for system prompts and status feedback
- Supports multiple face detection in a single frame
- Linux-based OS with full SDK, API, MQTT protocol support
- Customization options: OEM, ODM, logo, and software reengineering



Applications:

- Office building access
- Staff time attendance
- Gated community entry
- School campus security
- Visitor tracking at warehouses

SPECIFICATIONS	
Physical Parameter	
Dimensions (in mm)	195mm X 300mm X 150mm
Colour	Black
Weight	0.85 Kg approx.
Protection Level	IP66
Technical Parameters	
Processor	Dual core ARM cortex-a7 @ 900 MHz; NPU:0.5 TOPS
Operating System	Linux
Face Capacity	50,000
Type	Monocular CAMERA
Pixel	2M
Detection Type	Live Detection
Face Recognition Speed	≤150ms (99% Accuracy)
Face Recognition Distance	0.5-0.8 m
Interface Protocol	ONVIF, RTSP, SDK
Power Supply	DC12V 2A
Environmental parameters	
Operating Temperature	-20°C to +70°C
Operating Voltage	DC, 9-32 V
Storage Temperature	-40°C to +85°C
Working Humidity	10% to 75% RH No condensation

Soochak Bharat, with its technical expertise in RFID technology, focuses on designing, developing, innovating, and deploying RFID hardware solutions.

*Read range is dependent on tag size and design.

*Soochak Bharat reserves the right to make changes in the above specifications without notice.

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