

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 ≤ 150 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

*Read range is dependent on tag size and design.

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

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

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