INTRODUCING

Spark S-107

7-inch IPS IP video intercom indoor monitor.

See who's at the door, answer in full-duplex and unlock — all from a vivid 7-inch wall panel. The S-107 also monitors your cameras, manages alarm zones and connects to the Tuya smart-home ecosystem.



- 7″ IPS LCD
- 1024 × 600
- Full-duplex intercom
- PoE or DC 15 V
- Tuya smart-home
- Motion & person detection

INCOMING CALL

Someone's at the door. You're already there.

When a visitor presses the call button outside, the S-107 shows their image on screen with the outdoor unit's room number. Talk in full-duplex, then unlock with a tap.



Full-duplex audio

Talk and listen at the same time — no push-to-talk delays.

Relay unlock

Unlock the door lock with a single tap from the intercom screen.

Snapshot & record

Save a JPG or record a video clip of the visitor to the SD card.

Volume control

Adjust incoming visitor audio volume (0–100) during the call.

Picture settings

Set brightness, contrast and colour of the live video (0–100 each).

Indoor lock

Also unlock a lock wired directly to the monitor's own relay.

MONITORING

Check the door before anyone knocks.

Open the monitoring page at any time to view any outdoor station. Switch channels, talk two-way and save snapshots or video to the SD card.

01 **Switch channels**
Pull down the station list and tap any online outdoor unit to change the view instantly.

02 **Two-way talk**
Tap the intercom button while monitoring to open a full-duplex channel to the outdoor unit.

03 **Snapshot & record**
Save a JPG snapshot or record a video clip — both stored on the SD card.

04 **Image settings**
Adjust brightness, contrast and colour (0–100 each) from the monitoring view.



ALARM & DETECTION

Your home's first line of defence.

The S-107 manages multiple alarm zones across smoke, gas, door-magnet, infrared, window-magnet and glass detectors. A 60-second countdown arms the system; enter a 6-digit password to disarm.

SENSOR TYPES

- Smoke
- Gas
- Door magnet
- Infrared
- Window magnet
- Glass break
- Emergency

ZONE LOCATIONS

- Kitchen
- Bedroom
- Hall
- Window
- Door
- Balcony
- Guest room

01 **One-tap arming**
Arm with a 60-second countdown; disarm with your 6-digit password.

02 **NO / NC contacts**
Each zone supports normally-open or normally-closed detector wiring.

03 **Motion detection**
Continuous motion sensing on the connected outdoor station.

04 **Person detection**
Person-detection alerts depending on the connected outdoor station's capability.

TUYA ECOSYSTEM

Connected to every corner of your home.

The S-107 runs the Tuya platform natively. Pair it with your smart locks, lights and sensors in the Tuya app and control them alongside your intercom — one panel, everything.

Tuya native

Built-in Tuya support — connects straight to the Tuya smart-home platform.

PoE power

One cable (minimum Cat5) carries both network and DC 15 V power to the monitor.

App control

Manage calls, arm zones and review recordings from the Tuya smartphone app.

01 **Tuya app control**
Manage intercom calls, alarm zones and settings from your smartphone.

02 **DHCP networking**
Connects to any DHCP network automatically — no static IP required.

03 **PoE powered**
One cable (minimum Cat5) carries data and power. No extra power brick needed.



SETUP

On the wall in minutes. PoE or DC power.

The S-107 ships with all mounting hardware. Run a single cable (minimum Cat5) from your PoE switch, or supply DC 15 V directly. Up to 100 indoor monitors can share one outdoor station.

01 **Cable: minimum Cat5**
Use UTP cable, minimum Cat5, for the door station — maximum run 50 m.

02 **Lock cable: RVV 2×1.0**
Connect relay lock control with RVV2×1.0 cable, up to 10 m.

03 **Wall or surface mount**
Bracket included. Mounts to any flat surface in minutes.

04 **Up to 100 extensions**
Maximum 100 indoor monitor extensions per outdoor station.

05 **PoE power**
Powered by PoE switch — DC 15 V, max 350 mA. No separate power brick required.

06 **What's in the box**
Monitor · 2-pin cable ×2 · 7-pin cable · 10-pin cable · screw tubes ×4 · screws ×4 · wall bracket · user manual

SPECIFICATIONS

Spark S-107

7-inch IPS indoor monitor · IP video intercom

DISPLAY & VIDEO

Screen	7″ IPS LCD
Resolution	1024 × 600
Video input	Digital
Video codec	H.264
Picture format	JPG
Max SD card	< 32 GB

AUDIO & INTERCOM

Intercom mode	Digital duplex
Microphone	Built-in

POWER & CONNECTIVITY

Power supply	PoE / DC 15 V 1 A
Working current	Max 350 mA
Standby	< 2.5 W
Network	DHCP, PoE
Platform	Tuya

SYSTEM & ENVIRONMENT

Operating system	Linux
Motion detection	Yes
Person detection	Yes (via outdoor station)
Working temp.	–10 °C to +50 °C
Installation	Wall / surface mount

IN THE BOX

- Indoor monitor
- Wall bracket
- 2-pin cable ×2
- 7-pin cable
- 10-pin cable
- Screws & anchors ×4
- User manual

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SPARK-HOME.COM