

● INTRODUCING

Spark I-50

IP video door station.

A slim, single-button door station for homes and villas. Visitors press the bell, you see them in 2 MP on your indoor monitor, talk, and open the door — or residents simply tap their card.

● 2 MP camera · 120° view

● Infrared night vision

● Full-duplex intercom

● IC card unlocking

● PoE or DC 12–15 V



● AT THE DOOR

Everything the front door needs. Nothing it doesn't.

One call button, one camera, one card reader — in an ultra-thin housing that's easy to install and easy to use.



2 MP · 120°

A wide view of whoever is at the door.



Night vision

Infrared compensation for clear images after dark.



Full-duplex talk

Both sides speak at once, like a phone call.



Card unlocking

Tap an IC card on the reader to open the door.



Motion & human detection

Picks up movement and people at the door.



PoE or DC

One cable for power and data, or a DC 12–15 V supply.



01 Speaker

Top of the glass panel

02 Infrared LEDs

Either side of the camera

03 Call · card · unlock lights

Status at a glance

04 Name plate & call button

Label it with the room or family name

05 Microphone

Bottom of the station

● VISITOR CALLS

Press the bell. See, talk, open.

The visitor presses the call button and the indoor monitor on the same network rings. The resident sees them, talks in full duplex and taps Unlock to open the door.



01 Clear by day

2 MP camera with a 120° viewing angle.

02 Clear by night

Infrared LEDs light the scene after dark.

03 Motion & human detection

Detects movement and people in front of the door.

04 Status lights

Call, card and unlock indicators show what's happening.

2_{MP}

Camera
resolution

120°

Viewing
angle

IR

Infrared night
vision LEDs

● CARD UNLOCKING

Tap a card. You're home.

Residents unlock with an IC card at the reader. Cards are added and removed from the indoor monitor — and deleting a card only affects that household, never the neighbours.

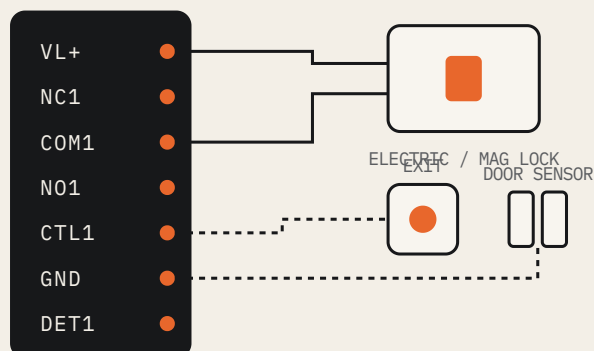
01 Add cards

Put the station in add mode from the indoor monitor, then tap each new card.

02 Remove cards

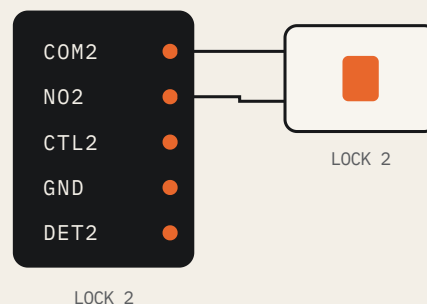
Delete one card, swipe several in delete mode, or clear them all.

LOCK CONTROL



03 Two lock outputs

Lock 1 (NO / NC) and Lock 2 — electric or magnetic locks.



04 Exit buttons

A door-release button input for each lock.

05 Door-open alarm

A door-contact (gate magnetic) input for each lock.

06 Lock power

Power the lock from the station's own lock output (VL+).

● INSTALLATION

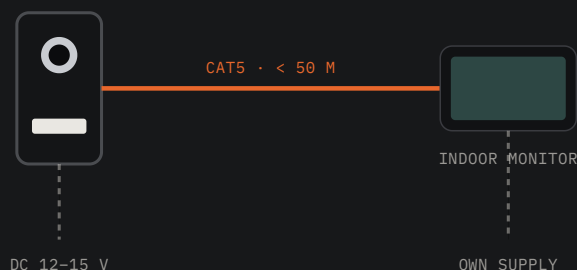
One network cable. Two ways to power it.

Power the I-50 over PoE on the same network as the indoor monitor, or give each unit its own supply and link them with a Cat5 cable. It configures itself by DHCP.

OPTION A · POE



OPTION B · SEPARATE POWER



01 Cabling

Cat5 / Cat5e under 50 m to the indoor monitor;
RVV 2×1.0 under 10 m for the lock.

02 Mounting

Surface mount with the wall bracket; camera at eye level.

03 Set from inside

Unlock time, ring and call volume and motion sensitivity are set from the indoor monitor.

04 On the back

RJ45 port, volume adjustment and a factory reset button.

<1.5_w

Standby
power

300_{mA}

Maximum current
at DC 15 V

−10~55 °C

Working
temperature

● SPECIFICATIONS

Spark I-50

IP video door station

TYPE IP outdoor station	CAMERA 2.0 MP
VIEWING ANGLE 120°	NIGHT VISION Infrared compensation
INTERCOM Full duplex	UNLOCKING IC card; from the indoor monitor
OPERATING SYSTEM Linux	NETWORK RJ45, DHCP
POWER PoE or DC 12–15 V / 1 A	WORKING CURRENT Max 300 mA @ DC 15 V
STANDBY POWER < 1.5 W	WORKING TEMPERATURE –10 °C ~ +55 °C
MOTION DETECTION Yes	HUMAN DETECTION Yes
LOCK OUTPUTS Lock 1 (NO / NC), Lock 2	INPUTS Exit button + door contact per lock
INSTALLATION Surface mount	CABLING Cat5 / Cat5e < 50 m · lock RVV 2×1.0 < 10 m

IN THE BOX

Door station

Wall mount

IC cards ×2

7-pin, 5-pin & 2-pin cables

Anchors & screws ×4

Box screws ×2

User manual



Smart home, quietly intelligent.

[SPARK-HOME.COM](https://spark-home.com)