

Smoke Generating Security Device

All-in-one remotely triggered, smoke-generating security device. Features include:

- Verification by central monitoring station or phone app before deploying smoke
- HD camera
- Voice announcements warn intruder
- PIR motion detection
- Multiple tamper mechanisms
- Battery or DC powered
- Easy installation using wall mount
- Remote software updates
- Built-in self-test reporting
- Integrates with third-party security systems via dry contacts
- Multi-device and multi-user capabilities



Security

A stylized icon consisting of three interlocking loops, resembling a knot or a decorative element.

Essence Security systems provide professional-grade security with highly dependable and tailored smart solutions that will increase customer loyalty and satisfaction:

- User-friendly
- Utilizes cutting-edge technology
- Easy to install
- Nonintrusive, state-of-the-art design

SPECIFICATIONS



COMMUNICATIONS

- CAT-M cellular network, MQTT
- **Operation mode:** pass-through

SECURITY and SAFETY

- **Tamper mechanisms:** removed from wall, removed canister, wired-input cable cut

MOTION SENSOR

- **PIR:** FOV 155° up to 12 m (39 ft.)
- **PIR (with pet immune):** FOV 146° up to 10 m (33 ft.)

POWER

- **Operating Voltage:** 9VDC
- **Batteries:** Six CR123A
- **Battery life:** Up to two years
- **External power:** 12VDC – Optional

AUDIO

- **Microphone:** MEMS-type digital
- **Speaker:** 40mm, 4 Ohm, 3W

VIDEO CAPTURE

- **Camera:** HD CMOS
- **Viewing angle (H x V):** 140° x 80°
- **Daylight range:** 12 m (39.4 ft.), **Darkness range:** 6 m (19.7 ft.)
- Color night recording with white LED
- **Resolution:** Up to 1280 x 720 pixels with H.264 encoding

DIMENSIONS

- **Size (H x W x D):** 208 mm (8.2 in.) x 132 mm (5.2 in.) x 78 mm (3.1 in.)
- **Weight:** ~1 kg (~2.2 lbs.) including batteries and smoke canister

ENVIRONMENT

- **Storage ambient temperature range:** -20°C to 70°C (-4°F to 158°F)
- **Operating ambient temperature range with battery:** -10° C to 55° C (14°F to 131°F)
- **Operating humidity:** Up to 95% non-condensing
- **Water and dust resistant:** IP21 compliant

SMOKE CANISTER

- **Smoke deployment duration:** approximately 30 seconds
- **Dimensions (D x H):** 71 mm (2.8 in.) x 131 mm (5.1 in.)
- **Weight:** 400 g (0.88 lbs.) with saturable volume 70 m³
- **Storage ambient temperature range:** -20°C to 75°C (-4°F to 167°F)
- **Life span:** Five years

CERTIFICATIONS, APPROVALS or TESTS

- EN 50131-1:2006 + A3:2020
- EN 50131-13:2020 Grade 2 (tested)
- EN 50131-6:2017 + A1:2021 – Type C
- EN 50130-4:2011 + A1:2014
- EN 50130-5 Environmental Class II
- EN 50131-10: 2014
- EN 50136-2:2013 + A1:2023 SP3
- EN 62368-1
- EN 61000-6-3
- EN 301 489-1
- EN 301 489-3
- EN 901-908-CAT-M
- EC category: P1 (canister)
- UN 0432 class code 1.4S (canister)

PART NUMBERS

- MyShield: ES900MS
- Simulator canister for demo: ES900CANS-GN-M01
- Simulator canister for installation: ES900CANS-GN-M02
- Smoke canister: ESPL06219