



WeR@Home™

Camera Detector Datasheet



ES800IPD
Camera with Motion Detection

Product

Unique combination of passive infrared (PIR) motion detection and image capture camera

Features include:

- Smartphone and web applications that allow viewing both comfort images and security images, triggered by motion detection
- Compressed, captured, image-data, relayed to the cloud, via the WeR@Home™ Hub, using the ECOP protocol
- Camera lens field of view of 90°
- Multi-zone spherical lens for exceptional detection coverage (up to 90° horizontal, 105° vertical)
- Sealed optics, immune to external light and insects, that reduce false alarms
- Efficient power consumption to extend the operation period
- Support of automatic over-the-air software programming and configuration upgrade (RSU)
- Red LED walk-through test mode (30 minutes after power-up)
- Bright white LED to illuminate a dark environment
- Easy installation: double-sided adhesive tape

WeR@Home™ Smart Living

The WeR@Home™ suite allows living life fully through smart connected homes

- Home security and safety at the core
- Notifications of security events and remote management of the home in real time
- Modular and expandable - manage connected home devices with Z-Wave® expansion
- Smart Rule engine for automation – decide which device, condition, or event will trigger which actions and at what time
- Live HD video – anytime, on any screen
- Save energy and money by ensuring that lights and air conditioning are turned off when not at home



Specifications

COMMUNICATIONS

- **Maximum RF range:** 500 m (1,640 ft.) open air
- **Maximum transmission:** 25 mW (14 dBm)
- Proprietary bi-directional radio protocol
- **Modulation and frequency:** DSSS, 2.4 GHz
- **Data security:** 128 bit AES encryption

SECURITY

- **Tamper alarm:** when unit is tilted
- **Detection range:** up to 12 m (39 ft.)

IMAGE CAPTURE

- **Captures color motion:** JPEG photos (up to 5 frames per second)
- **Supported video resolutions:** 80 x 60 (QQQVGA) to 640 x 480 (VGA)
- **Illumination:** (at night or in low-light conditions) auto-activated super-bright white LED
- **Diagonal shooting angle:** 90°

POWER

- Three AA size alkaline batteries
- One year battery life

DIMENSIONS

- **Size (H x W x D):** 123 x 58 x 60 mm (4.8 x 2.4 x 2.4 in.)
- **Weight:** 160 g (0.35 lb.) + 45 g (0.1 lb.) batteries

ENVIRONMENT

- **Storage ambient temperature range:** -20°C to 50°C (-4°F to 122°F)
- **Operating ambient temperature range with batteries:** 0°C to 50°C (32°F to 122°F)
- **RF operating humidity:** up to 95% non-condensing

SPECIAL FEATURES

- 4G DragonFlyEye™ lens technology for optional pet immunity
- Optional up to 30 kg (66 lb.) pet immune lens
- Temperature compensation for the PIR element

COMPLIANCE

- **FCC:** Y4I-M800IPD
- **IC:** 11061A-ES800IPD

