

- Battery-operated
- Support for Matter over Thread protocol
- Operation in smart home scenarios



ST-PIR is a volumetric infrared motion sensor that operates under Matter over Thread technology. When people or animals enter the protected area, the sensor sends a signal to the Eltex smart home hub.

The device is battery-operated, so it can be installed in the location of choice without the need for wiring.

ST-PIR has a built-in light sensor, allowing the smart home system to automatically switch lights on and off depending on the time of day.

Eltex smart home

ST-PIR is part of the Eltex smart home ecosystem based on ELIS (Eltex IoT System). The user manages smart devices and sensors via the smart home hub using iOS or Android mobile device with the Eltex Home mobile app installed. It can be downloaded from the App Store and Google Play or via the QR code below. The app is also available in Huawei AppGallery.



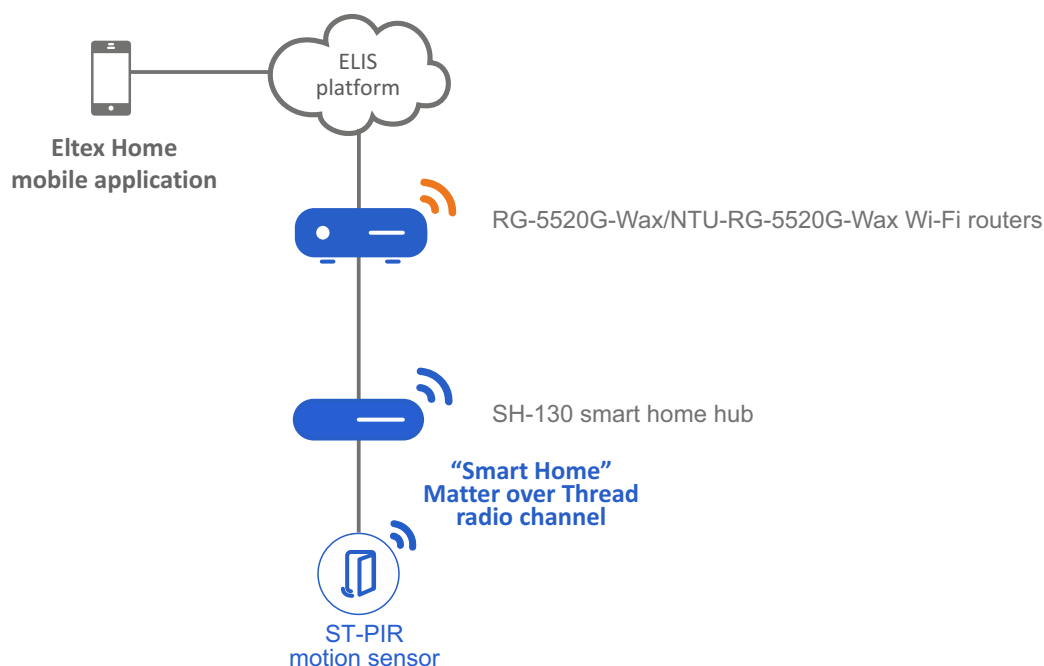
ST-PIR is a part of the Eltex smart home “Security” service. Sensors included in this service create a security perimeter in the home and notify of emergency situations, e.g. movement in the protected area, opening of doors and windows. They can operate separately or as a group depending on the needs of the user. To connect the sensor to the network, you need an Eltex SH-130 smart home hub that supports Matter over Thread technology.

Technical features

General parameters

Power	Li-ion CR123A, 3 V
Signal frequency	2.4 GHz
Maximum distance from hub	120 m (in the absence of obstacles)
Object detection range	up to 9 m
Horizontal beam angle	90°
Light sensor range	from 0 to 2000 lx
Ingress protection	IP20
Dimensions (W x H x D) with bracket installed	68 × 97 × 76 mm
Weight (including battery)	106 g
Operating temperature	from +5 to +45 °C
Operating humidity at 40 °C	no more than 93 %
Maximum RF strength	+14 dBm

Use case



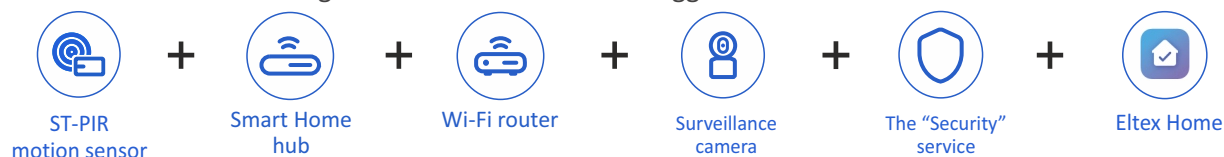
Scenarios

With the Eltex Home mobile application, it is possible to create chains of conditions for sensors operating under Matter over Thread and smart Wi-Fi devices to work together. For example, the ST-PIR motion sensor can be used in the following scenarios:

1. Sending a notification to the user when a motion sensor is triggered



2. Automatic video recording when the motion sensor is triggered



3. Switching lights on when motion is detected, or automatically switching lights on and off depending on the time of day



Ordering information

Name	Description
ST-PIR	ST-PIR Matter over Thread motion sensor
Licenses	
Eltex ELIS-1	Eltex ELIS option, package for 1 device, 1 year
Eltex ELIS-100	Eltex ELIS option, package for 100 devices, 1 year
Eltex ELIS-500	Eltex ELIS option, package for 500 devices, 1 year
Eltex ELIS-1000	Eltex ELIS option, package for 1000 devices, 1 year
Eltex ELIS-1500	Eltex ELIS option, package for 1500 devices, 1 year

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Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.