

SENSE

Smart Sensor for Intelligence, Surveillance and Reconnaissance (ISR)

SENSE is a compact presence detection device utilizing LoRa technology, designed to operate either the HUB or MINI HUB, providing extensive area coverage up to a 7 km radius. Featuring motion and acoustic sensors and Edge AI, SENSE detects the presence of humans, animals, or vehicles. Evaluates signals and sends data to the HUB or MINI HUB without the need for Satellite or GSM Network, relying solely on LoRa for data transmission.



TECHNICAL SPECIFICATIONS

PARAMETERS	SPECIFICATIONS	PARAMETERS	SPECIFICATIONS
Weight ¹	300 g	Data Encryption	AES - 256
Dimension	55x95x55 mm	Data Transmission ³	LoRa
Power Source	2 x Li-ion 18650 Rechargeable Built-in Batteries (Internal)	Wake-up Method	Motion & Acoustic Sensors
Operation Time ²	360 days	Coverage ⁴	Up to 7 km radius
Operating Temperature	-30 to +60 °C	Wake-up Range	30 m
Ingress Protection Class	IP67		

¹ May vary depending on configuration. ² Operation time depends on detection and transmission count.

³ Must be used with HUB or MINI HUB. ⁴ Coverage area varies according to the Line of Sight.