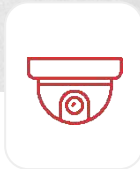


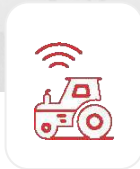
SolidSense AloT 15H



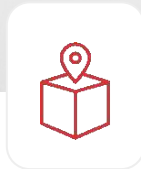
**Border &
Perimeter
Surveillance**



**Wildlife
Monitoring &
Conservation**



**Agriculture
& Smart
Farming**

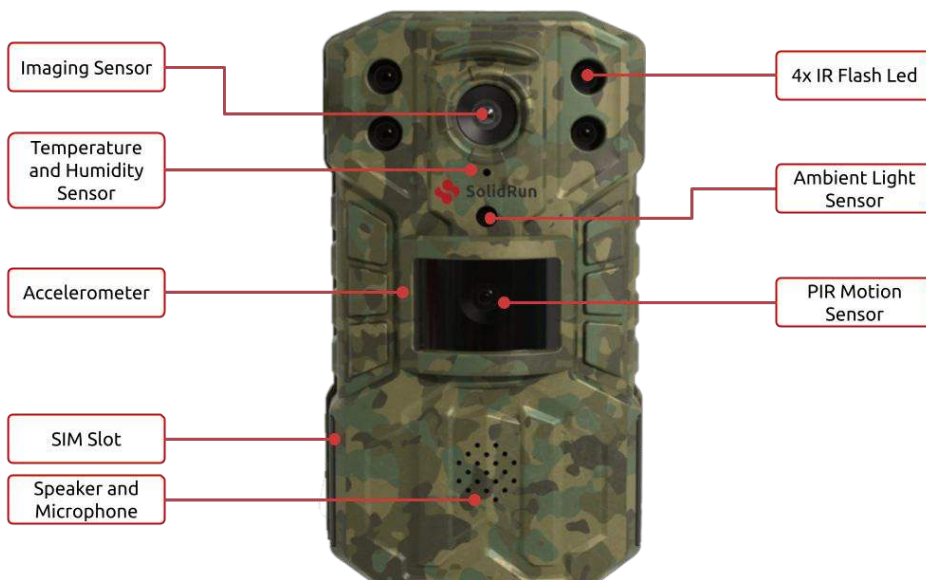


**Remote
Industrial
Equipment
Monitoring**



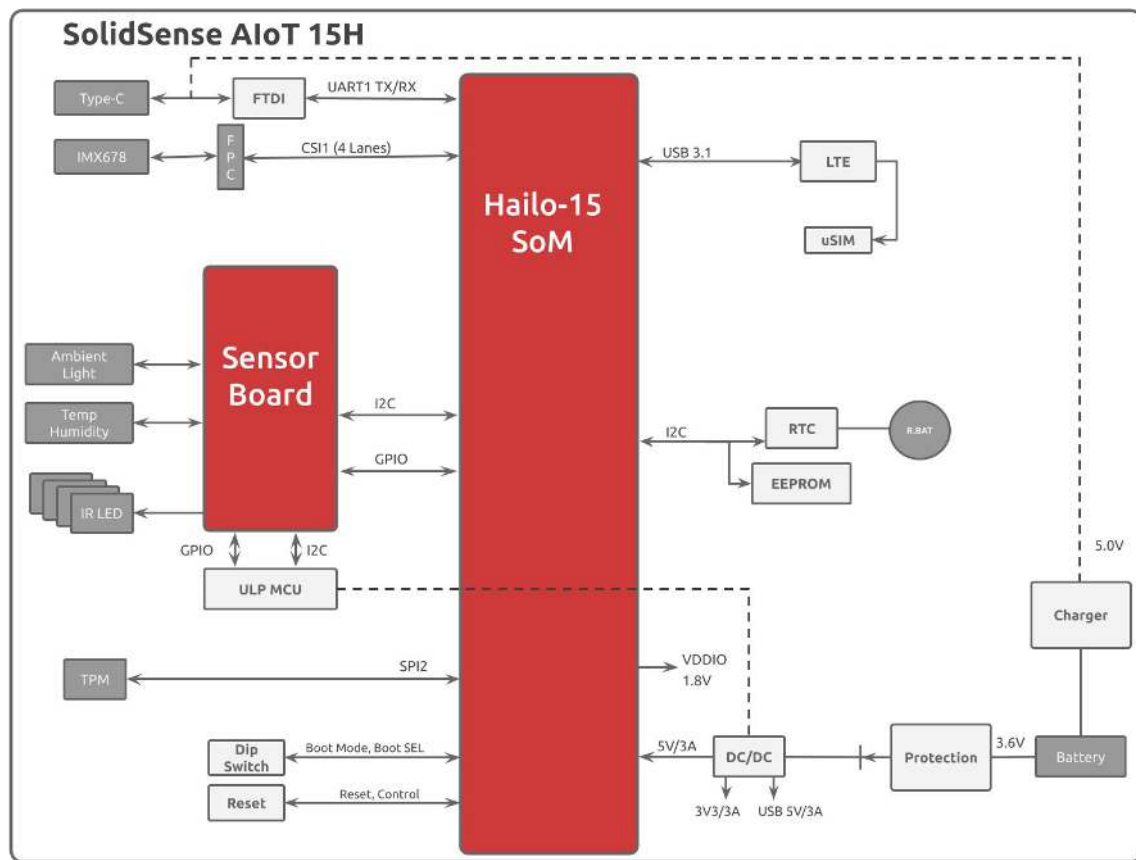
Low power platforms are critical for off-grid edge AI applications running on batteries, solar, or other limited power sources while operating for long periods of time in remote and harsh locations.

SolidSense AloT is a generic HW platform built to simplify development and deployment of vision AI solutions for remote environments. Integrated with a variety of sensors and based on real-time situational awareness it remains in ultra-low-power standby mode, activating and communicating only when needed.



Key Features:

- **Edge AI Processing:** Reduces latency and eliminates the need for constant cloud connectivity, enabling real-time and secure decision-making.
- **Waterproof & Rugged Design:** Suitable for harsh outdoor environments like deserts, forests, jungles or urban sites.
- **Reduced Data Costs & Bandwidth Usage:** Only sends relevant alerts or compressed insights instead of streaming full video or raw sensor data.



SolidSense AIoT 15H	
Processor	Hailo 15H, 4 x Cortex A53 @ 1.3GHz ; 12 kDMIPS, Secure BOOT
Neural Network Core	20 TOPs Hailo patented structure defined dataflow architecture
Vision Subsystem	12MP ISP with HDR H.265/4 Video Encoder ((HEVC & AVC)) 4K @ 30FPS, 1x MIPI-CSI2 4 lanes, Support for the following image sensors: IMX678 4x IR Flash leds
Memory & Storage	Up to 8Gbyte LPDDR4, 8-256 Gbyte eMMC, (Default 4GB LPDDR4, 64GB eMMC), Bootable 32Mbit QSPI
Camera Sensor	IMX678
Optional Sensors	Ultrasonic Microphone SPH 0641 Ambient Light Sensor Temperature and Humidity Sensor
Networking	1 x 802.11 a/b/g/n/ac WiFi (2.4/5 GHz) and Bluetooth 5.0 LTE Cat1bis
I/Os	USB 3.1
Misc	Micro-SD Nano SIM
Power	3x Li-Ion 18650 3.6V nominal USB-C input charging port
Temperature	Industrial: -40°C to 85°C
Enclosure	Plastic ABS IP64 Rated