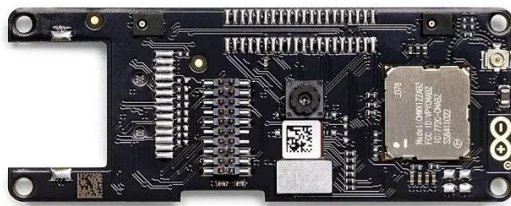**Item no.:** 353140
ASX00026 - Portenta Vision Shield - LoRa®

from **69,51 EUR**

Item no.: 353140
shipping weight: 0.10 kg
Manufacturer: Arduino

📄 Product Description

Portenta Vision Shield - LoRa®

The Portenta Vision Shield LoRa® brings industry-rated features to your Portenta. This hardware add-on will let you run embedded computer vision applications, connect wirelessly via LoRa® to the Arduino Cloud or your own infrastructure, and activate your system upon the detection of sound events.

The shield comes with:

- 1x 320x320 pixels camera sensor: use one of the cores in Portenta to run image recognition algorithms using the OpenMV for Arduino editor
- long range 868/915MHz LoRa wireless connectivity: get your Portenta H7 connected to the Internet of Things with low power consumption
- 2x on-board microphones for directional sound detection: capture and analyse sound in real-time
- JTAG connector: perform low-level debugging of your Portenta board or special firmware updates using an external programmer
- SD card connector: store your captured data in the card, or read configuration files

The Vision Shield LoRa® has been designed to work with the Arduino Portenta H7. The Portenta boards feature multicore 32-bit ARM® Cortex® processors running at hundreds of megahertz, with megabytes of program memory and RAM. Portenta boards come with WiFi and Bluetooth®.

Purchase this shield together with the Portenta H7 for full performance.

- Camera: Himax HM-01B0 camera module
- Resolution: 320 x 320 active pixel resolution with support for QVGA
- Image sensor: High sensitivity 3.6? BrightSense™ pixel technology
- Microphone: 2x MP34DT05
- Connectivity: 868/915 MHz ABZ-093 LoRa module with ARM Cortex-M0+
- Length: 66 mm
- Width: 25 mm
- Weight: 8 g

📄 Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability