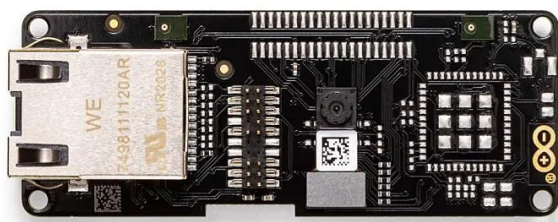


Item no.: 353139

## ASX00021 - Portenta Vision Shield - Ethernet

from **50,92 EUR**

Item no.: 353139  
shipping weight: 0.10 kg  
Manufacturer: Arduino



### Product Description

#### Portenta Vision Shield - Ethernet

The Portenta Vision Shield brings industry-rated features to your Portenta. This hardware add-on will let you run embedded computer vision applications, connect wirelessly or via Ethernet 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
- 1x 100 Mbps Ethernet connector: get your Portenta H7 connected to the wired Internet
- 2x on-board microphones for directional sound detection: capture and analyze 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 Ethernet has been designed to work with the 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
- Length: 66 mm
- Width: 25 mm
- Weight: 11 g

### Specifications

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

