

Item no.: EP-DCINTELD435I

EP-DCINTELD435i - Intel(R) RealSense(TM) Depth Camera D435i

from **250,89 EUR**

Item no.: EP-DCINTELD435I
shipping weight: 0.10 kg
Manufacturer: AAeon



Product Description

EP-DCINTELD435i - Intel(R) RealSense(TM) Depth Camera D435i

Intel(R) RealSense(TM) Depth Camera D435i combines the depth sensing capabilities of the D435 with the addition of an inertial measurement unit (IMU). For great scans, an IMU provides an extra set of data allowing for better dense reconstruction. Alternately, in robotics, the Robotic Operating System (ROS) takes this input for your robot so you can understand its position in the world. The Intel RealSense D435i includes:

- A BMI055 inertial measurement unit.
- The Intel RealSense SDK 2.0 which provides a depth and IMU data stream.
- IMU Data that is time stamped to align with depth data as needed.
- Desktop tripod.
- USB-C cable.

Specifications

Inertial measurement unit: BMI055

Use environment: Indoor/outdoor

Depth technology: Active IR stereo

Main Intel(R) RealSense(TM) component: Intel(R) RealSense(TM) Vision Processor D4; Intel(R) RealSense(TM) module D430

Depth field of view (FOV) (horizontal x vertical x diagonal): 87° x 58° x 95° (+/-3°)

Depth stream output resolution: Up to 1280 x 720

Depth stream output frame rate: Up to 90 fps

Minimum depth distance (Min-Z): 0.1 m

Sensor shutter type: Global shutter

Maximum range: Approx. 10 meters; Varies depending on calibration, scene, and lighting condition

RGB sensor resolution and frame rate: 1920 x 1080 at 30 fps

RGB sensor FOV (horizontal x vertical x diagonal): 69.4° x 42.5° x 77° (+/-3°)

Camera dimension (length x depth x height): 90 x 25 x 25 mm

Connectors: USB-C 3.1 Gen 1

Mounting mechanism: One 1/4-20 UNC thread mounting point; Two M3 thread mounting points

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

