NEON-1000-MDX Starter Kit series

Intel Atom® E3930 and Movidius™ Myriad™ X-based Industrial AI Smart Camera Starter kit

Features

- Integration of intel E3930 and Movidius Myraid X, image sensor and vision software suites, ready to deploy
- All-in-one design minimizes cabling, footprint and maintenance
- FPGA base DI/O for accurate real-time triggering
- Validated and comprehensive accessories, saves effort on surveying and debug



Introduction

NEON-1000-MDX starter kits are built with the required accessories for users to either test in the lab or quickly deploy in the field.

The starter kit contains the NEON-1000-MDX camera, USB Type-C hub/adapter, I/O extension board and all required cables. User can build their application or prove the concept quickly.

Software Support

- Ubuntu 18.04
- Intel® OpenVINO™
- Basler pylon_6.1

Ordering information

- **NEON-101B-MDX Starter Kit**
  NEON-101B-MDX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-102B-MDX Starter Kit**
  NEON-102B-MDX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-103B-MDX Starter Kit**
  NEON-103B-MDX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-104B-MDX Starter Kit**
  NEON-104B-MDX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable

Specifications

Model Name	NEON-101B-MDX Starter Kit	NEON-102B-MDX Starter Kit	NEON-103B-MDX Starter Kit	NEON-104B-MDX Starter Kit
Computing platform	Intel Atom® E3930, Movidius™ Myriad X, 4G Memory and 32 eMMC			
Camera model	NEON-101B-MDX	NEON-102B-MDX	NEON-103B-MDX	NEON-104B-MDX
Resolution	1.2M	1.9M	2M	5M
Frame Rate (fps)	54	60	30	14
Color/Mono	Color	Color	Color	Color
USB Type-C hub/adapter	110V~240V AC in/DC 15V out from USB Type-C; 1x USB Type-C, 2x USB, 1x HDMI, 1x SD slot			
Power Cord	1x 1.5m category A power cord and 1x 1.5m category E power cord			
USB Type-C cable	1.8m USB Type-C cable with screw lock			
Lens	C-mount lens, focal length 8mm, aperture f1.4			
DI/O Extension Board	ADLINK DIN37D-01 (terminal board with one 37-pin D-sub connector and DIN-rail mounting)			
DI/O Cable	2m DB-15 to DB-37 I/O extension cable			

Note: The DC power source can be either from the DC jack or the USB Type-C port.

Specifications


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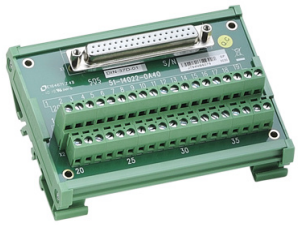

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Contents:

(1) NEON-1000-MDX
(2) USB Type-C hub/adapter
(3) 1.8m USB Type-C cable with screw lock
(4) Power cords
(5) C-mount lens
(6) DI/O cable
(7) ADLINK DIN37D-01
(8) 30cm USB Type-C cable

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