NEON-2000-JNO Series Starter Kit

NVIDIA® Jetson Nano-based AI smart camera starter kit

Features

- Integration of NVIDIA Jetson Nano, image sensor and vision software suites, ready to deploy
- All-in-one design minimizes cabling, footprint and maintenance
- FPGA-based DI/O for accurate real-time triggering
- Validated and comprehensive accessories, saves effort on surveying and debug
- Pre-installed software and sample code, easy to get started



Introduction

NEON-2000-JNO series starter kits are available with the accessories required for testing in the lab and quick deployment in the field.

The starter kit contains the NEON-2000-JNO camera, lens, USB Type C hub/adapter, 1.8m USB Type C cable, I/O extension board and I/O cable, saving effort on surveying and debugging, and letting the user just focus solely on the application.

Software Support

- Ubuntu 18.04
- Jetpack 4.6.1

Note: Supported software versions will be updated as released by NVIDIA.

Ordering information

- **NEON-201A-JNO Starter Kit**
  NEON-201A-JNO camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-202A-JNO Starter Kit**
  NEON-202A-JNO 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-201A-JNO Starter Kit	NEON-202A-JNO Starter Kit
Computing Platform	NVIDIA® Jetson Nano™	
Camera Model	NEON-201A-JNO	NEON-202A-JNO
Resolution	2M	8M
Frame Rate (fps)	60	30
Color/Mono	Color	Color
Shutter	Global	Rolling
Image Sensor Trigger Mode	External H/W trigger, S/W trigger, free run	S/W trigger, free run
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	



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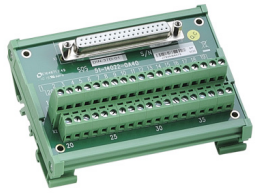
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① NEON AI Smart Camera
② USB Type-C hub/adapter/30cm USB Type-C cable(92-99090-1010)*
③ 1.8m USB Type-C cable with screw lock (30-01284-0030-A0)
④ C-mount lens, 8mm, F1.4 (92-15731-0010)
⑤ 3m DB-15 to DB-37 I/O extension cable (30-01332-0010-A0)
⑥ DIN-37D-01 IO extension board (91-14025-1020)

Note:
• Use only recommended ADLINK power adapters and cables.

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