NEON-2000-JNX Series Starter Kit

NVIDIA® Jetson Xavier™ NX-based AI smart camera starter kit

Features

- Integration of NVIDIA Jetson Xavier NX, 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-JNX 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-JNX 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
- Jetpack
- Basler pylon

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

Ordering information

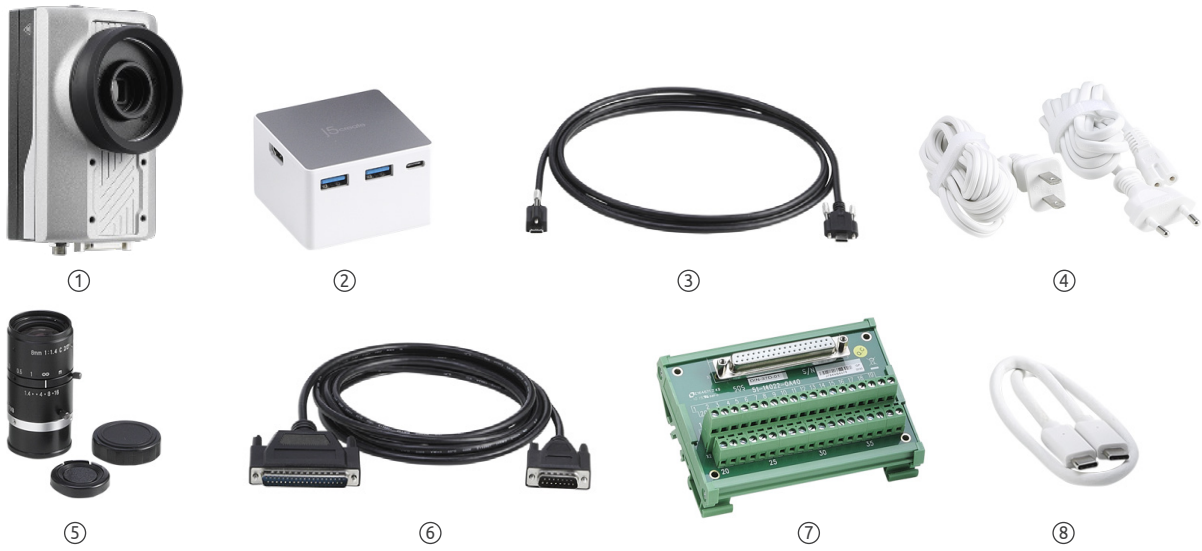
- **NEON-201B-JNX Starter Kit**
  NEON-201B-JNX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-202B-JNX Starter Kit**
  NEON-202B-JNX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-203B-JNX Starter Kit**
  NEON-203B-JNX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-204B-JNX Starter Kit**
  NEON-204B-JNX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-201A-JNX Starter Kit**
  NEON-201A-JNX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable
- **NEON-202A-JNX Starter Kit**
  NEON-202A-JNX camera, USB Type-C hub/adapter, USB Type-C cable, power cords, lens, I/O extension board and I/O cable

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Specifications

Model Name	NEON-201B-JNX Starter Kit	NEON-202B-JNX Starter Kit	NEON-203B-JNX Starter Kit	NEON-204B-JNX Starter Kit	NEON-201A-JNX Starter Kit	NEON-202A-JNX Starter Kit
Computing platform	NVIDIA® Xavier NX					
Camera model	NEON-201B-JNX	NEON-202B-JNX	NEON-203B-JNX	NEON-204B-JNX	NEON-201A-JNX	NEON-202A-JNX
Resolution	1.2M	1.9M	2M	5M	2M	8M
Frame Rae(fps)	54	60	30	14	60	30
Color/Mono	Color	Color	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 from the USB Type-C port.



Content:
(1) NEON camera
(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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