NEON-2000-JNX Series
Industrial AI Camera

Package Contents

- NEON-2000-JNX camera
- 2x jumpers (for flashing the system)
- Quick Start Guide (this document)

Accessories (Optional)

Item	PN
AC/DC adapter, AC 100V-240V, 12V DC/5A	31-62156-1000-A0
1.8m Type C cable with screw lock	30-01284-0020-A0
DI/O cable for DIN-37D-01	30-01332-0010-A0
DIN-37D-01 (I/O extension board)	91-14025-1020
C-mount lens (8mm f/1.4, 2.3”)	92-15731-0010
USB Type-C adapter/hub	92-99090-1010
NEON DIN rail mount kit	91-95281-000E

Getting Started

1. Check Product Package to make sure no items are missing.
2. Connect the NEON-2000-JNX to the USB Type-C adapter/hub.
3. Connect the AC power, monitor, keyboard and mouse to the Type-C adapter/hub.
4. Turn on the power to the USB Type-C adapter/hub. The power LED (green) should light after the NEON-2000-JNX has powered on.

See the user’s manual for more information about:
- Status LEDs: Section 2.2
- Image capture and inference: Chapter 3
- Connectors and I/O: Chapter 2

Notes:
1. Use only recommended ADLINK accessories. Refer to the datasheet for details about ADLINK-recommended accessories.
2. The NEON-2000-JNX can be powered by either DC jack (12-24V) or USB Type-C connector. A Type-C hub is needed for keyboard, mouse and monitor support when the NEON-2000-JNX is powered by DC jack.

NEON-2000-JNX Quick Start Guide

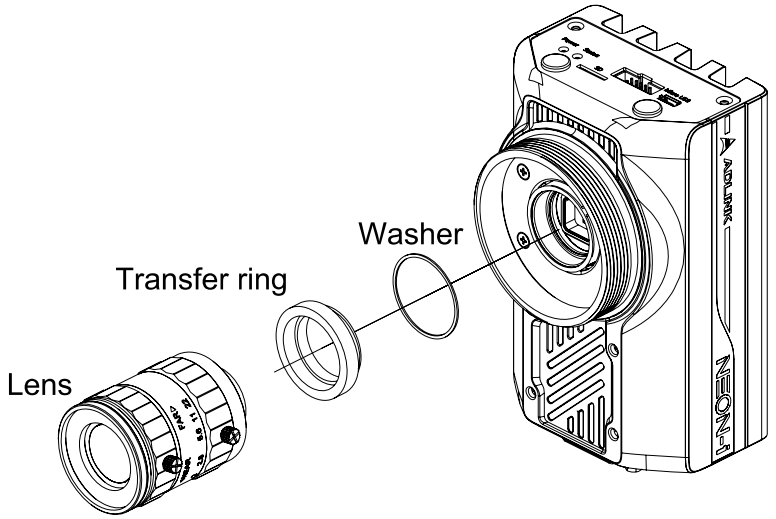
Important Notice

1. Always shut down the system OS before cutting off the power supply.
2. Use the cables and power adapter provided by ADLINK to ensure compatibility with the device.
3. To ensure normal system operation, only use image files from ADLINK to flash the system when needed.
4. The camera boots from a microSD card—**DO NOT REMOVE IT**. Consult ADLINK if changing the microSD card is required.

Lens Installation

Note: Make sure the environment is clean and do not allow any dust to fall onto the image sensor during installation of the lens.

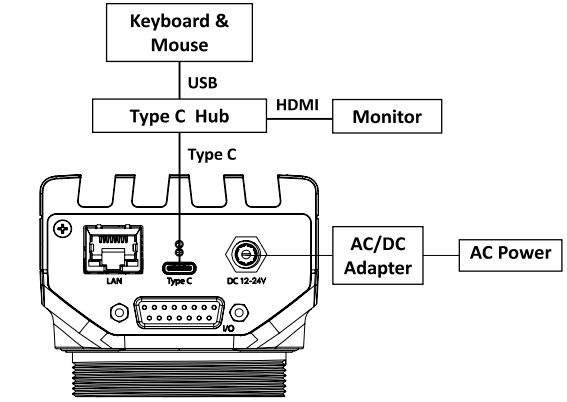
The NEON-2000-JNX supports a C-mount lens. Refer to the installation illustration below. The transfer ring and washer are preinstalled on the NEON-2000-JNX and the washer is only used on the NEON-202B-JNX.



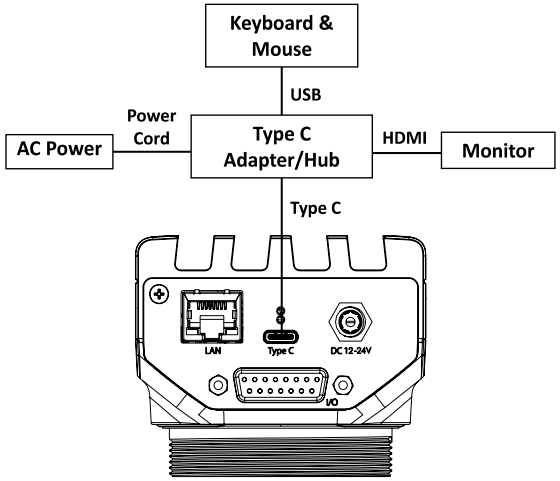
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Cable Connections



Separate Power and Peripheral Connections



Combined Power and Peripheral Connections

Features

- All-in-one and validated, reduce the space requirement and minimizes cabling, compatibility and reliability issues.
- USB Type-C adapter/hub for easy cabling
- Extensive FPGA-based I/O designed for machine vision applications

Contact ADLINK

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