# INDUSTRIAL DEPTH CAMERA D400e Series

## GETTING STARTED PAGE 1 | STARTER KIT BOX CONTENTS

v1.2, July 21
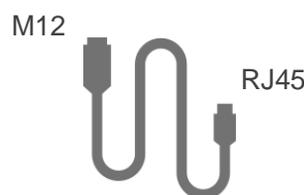
## Starter Kit box contents

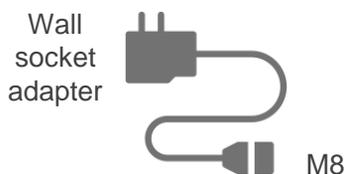① D400e Camera

D415e, D435e or D455e

② Data Cable

M12

RJ45

③ Power Cable

Wall socket adapter

M8

④ Docu-Link

Quick-Start Guide, Documentation and Software:
https://www.framos.com/en/industrial-depth-cameras

Need Support? Contact us!
support@framos.com

www.framos.com

① FRAMOS Industrial Depth Camera D400e (D415e, D435e or D455e), with M12 Ethernet and M8 power supply / GPIO connectors.

② Ethernet data cable with RJ45 connector (PC connection) on one side and M12 connector (camera connection) on the other side.

③ Power adapter of wall socket mains supply to 12V with M8 camera connector.

④ "Business Card" with the link to the landing page and knowledge base of the FRAMOS Industrial Depth Camera portfolio where all documentation and software can be downloaded.

\* If you bought the camera only, no power adapter and no Ethernet cable will be part of the box

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# INDUSTRIAL DEPTH CAMERA D400e Series

## GETTING STARTED PAGE 2 | SYSTEM SETUP

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## Minimum System Requirements

| | |
|---|---|
| Host PC Operating System: | Windows® 10<br>Linux Ubuntu 16.04 (or newer) |
| Host PC Architecture: | x86_64<br>ARM64 (NVIDIA® Jetson™) |
| Hardware: | Gigabit Network Interface Card (NIC) |

## Steps to setup the system

① Check if all components to run the camera are available. This includes the camera itself, an Ethernet (M12) data cable and power supply (M8). Alternative system setup utilizing single cable for both data and power is presented on page 3.
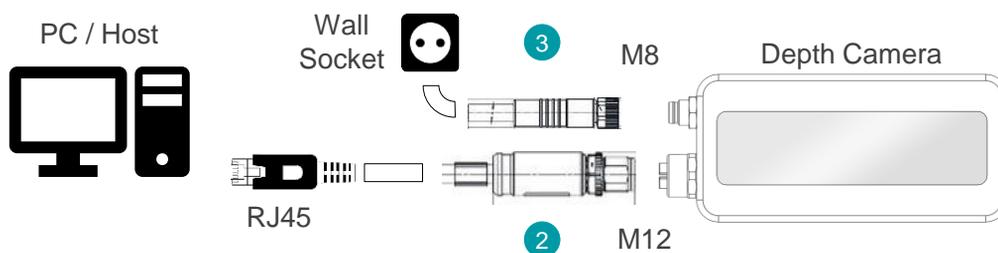


② Connect the Ethernet data cable with the M12 connector to the lower plug on the left side of the camera. Connect the RJ45 connector to Network Interface Card (NIC) on your PC. Configure NIC to obtain IP address automatically (on Linux OS, set IPv4 configuration method to "Automatic (DHCP)" in case DHCP server is available, or "Link-Local Only" in case DHCP server is not available).

③ Connect the power cable on the side of the M8 connector to the upper plug on the left side of the camera and then plug the adapter into the wall socket.

# INDUSTRIAL DEPTH CAMERA D400e Series

## GETTING STARTED PAGE 3 | SYSTEM SETUP (POE)

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## Steps to setup the system (PoE)

1. In case a PoE switch is available, the camera can be powered via the same Ethernet (M12) data cable used for data transfer.
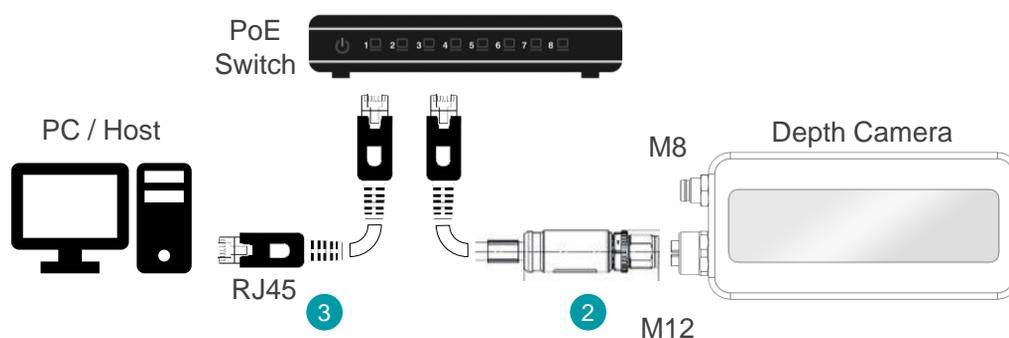
PoE Switch

PC / Host

M8    Depth Camera

RJ45

3        2        M12

2. Connect the Ethernet data cable with the M12 connector to the lower plug on the left side of the camera. Connect the RJ45 connector to the PoE capable port of the PoE switch. The camera will immediately start powering up.

3. Connect the PC to the PoE switch via standard RJ45 Ethernet cable (the port used for the PC connection does not need to be PoE capable). Configure NIC to obtain IP address automatically (on Linux OS, set IPv4 configuration method to "Automatic (DHCP)" in case DHCP server is available, or "Link-Local Only" in case DHCP server is not available).
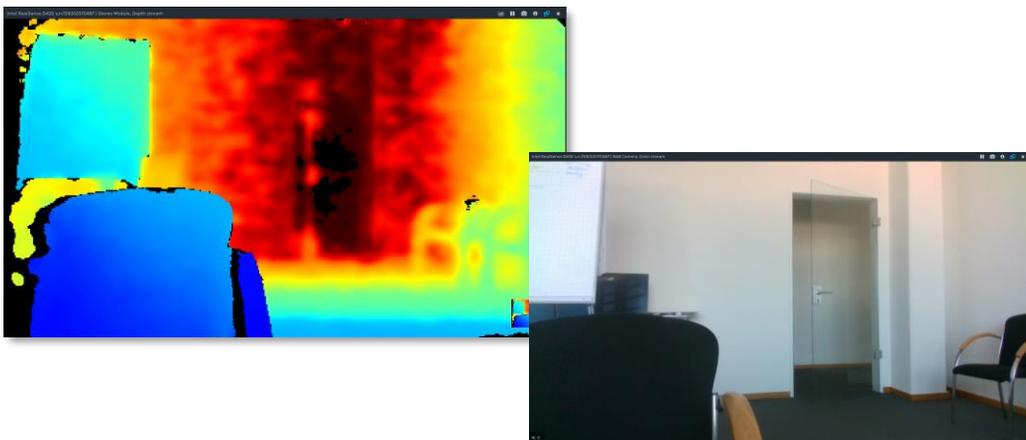
## Steps to install the software

The Software Package for the D400e cameras comprises of two components:

- FRAMOS CameraSuite
- Intel® RealSense™ SDK with support for D400e cameras

Please download the software package from here: FRAMOS D400e Software Package

1. Install FRAMOS CameraSuite on the host system (link above) first. Please uninstall previous versions of CameraSuite and follow the instructions provided inside the package for successful installation. Reboot the system after the installation has finished.

2. Install Intel® RealSense™ SDK with support for D400e cameras (link above). Please uninstall other versions of Intel® RealSense™ SDK before proceeding with the installation.

3. After installation, launch Intel® RealSense™ Viewer from the host terminal. It will automatically connect to first camera discovered.

4. Enable Depth and RGB streams to display them in the Intel® RealSense™ Viewer application. For more information about how to use the Viewer application please review the Intel® RealSense™ D400 Series/SR300 Viewer User Guide. Note that some features of SDK might not be fully implemented in current D400e camera firmware.