# Manuals+

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# OptiTrack

## OptiTrack Slim 3U Capturing Fast Moving Objects



## Specifications

- Product: Slim 3U

- Compatibility: OptiHub 2, generic USB hub or port

- Sync Method: RCA Sync Break-Out Cable

- Lens Compatibility: M12 Lens, CS Lens, C Lens

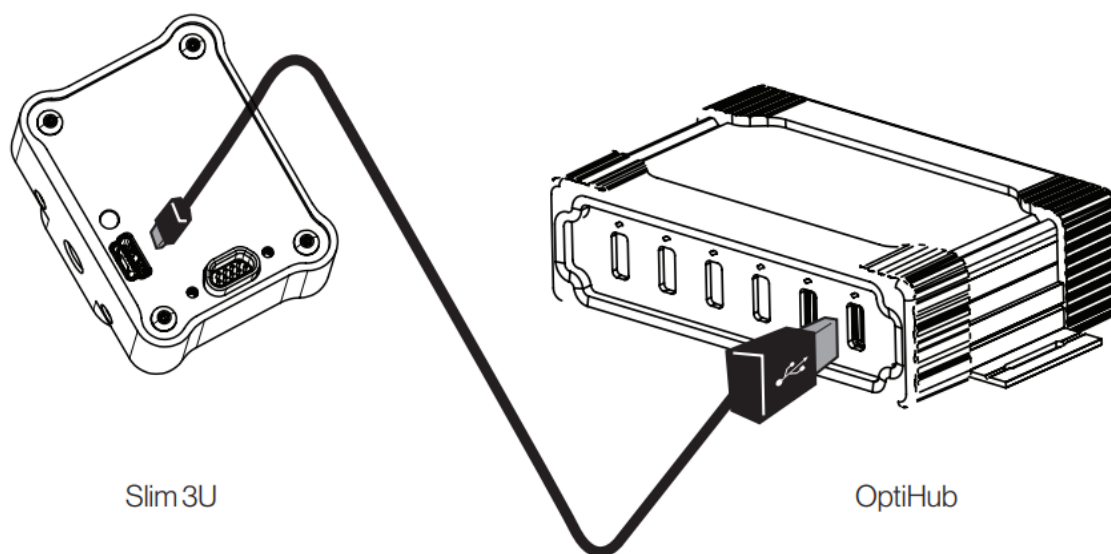- Optional: Filter Plug or Filter Switcher

## Install Software

Download and run the latest software installer on your host computer. Please visit
www.optitrack.com/support/downloads/ for a list of compatible software.

## Setup Camera Network

### Single Camera

Connect the Slim 3U camera to a USB port of an OptiHub 2 or generic USB hub or port.



**Diagram 1:** Single camera to USB port

Slim 3U                                        OptiHub
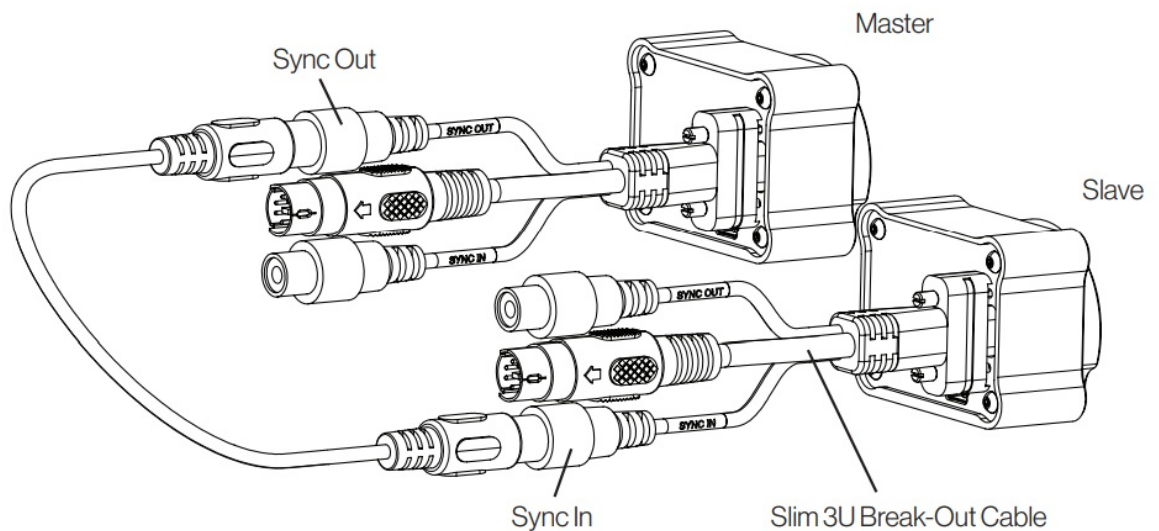
### Multiple Cameras:

Multiple OptiTrack cameras may be synchronized for greater precision, via a RCA Sync
Break-out Cable

**Note:** Multiple Slim 3U plugged into an OptiHub 2 will not sync with each other (unlike
OptiTrack's Flex 3 and Flex 13 USB cameras)

## RCA Sync Break-Out Cable

1. When using Slim 3U cameras, all cameras in the sync chain must be of the same type. Mixed sync environments are not supported.
2. Plug in RCA Sync Break-Out Cable to each camera (see Diagram 2).
3. Connect master device's "out" connector to slave camera's "in" connector using a RCA Sync Break-Out Cable (sold separately).
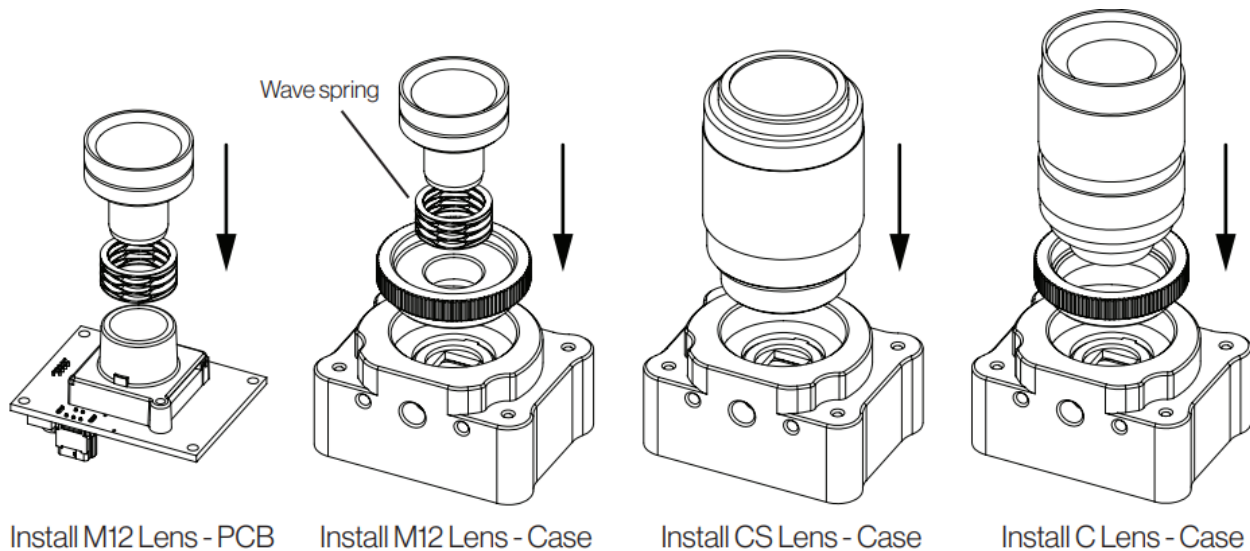4. Initiate camera synchronization via software.

**Diagram 2:** Multiple camera network using RCA Sync Break-Out Cable



## Install Lens (Optional)

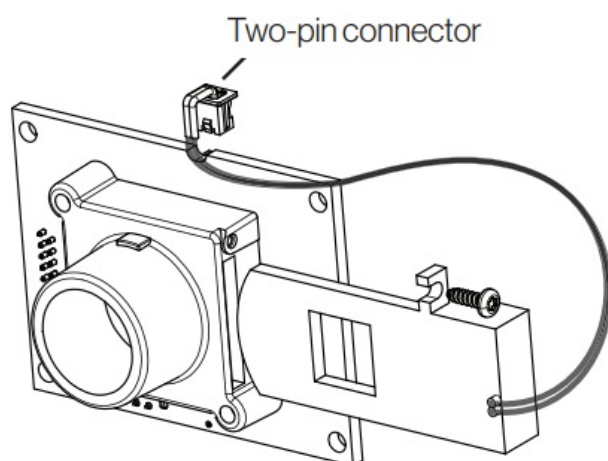Thread the lens into included lens holder/adapter until finger tight.

- PCB-only Slim 3U camera (no case) only supports M12 lenses.
- Mounting an M12 lens on a Slim 3U camera with the case requires a CS to M12 adapter.
- OptiTrack's M12 lenses should be installed with the included Wave Spring for secure focusing.
- CS lenses can be installed directly onto the Slim 3U case.
- C lenses require a CS to C adapter before mounting onto the camera case.

Install M12 Lens - PCB    Install M12 Lens - Case    Install CS Lens - Case    Install C Lens - Case
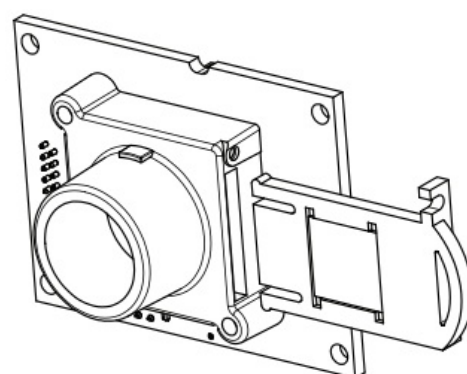
## Install Filter Plug or Filter Switcher (Optional)

- Insert Filter Plug/Filter Switcher into slot on the side of M12 lens holder (right-side slot if camera is upright and facing you).
- Tighten set screw on right side of plug.
- If Filter Switcher: Plug two-pin connector into jack at top rear of board. Route wire through notch at top of board.

**Note:** Perform steps in reverse to uninstall Filter Plug/Filter Switcher.



PCB with M12 lens holder and
**Filter Switcher**

PCB with M12 lens holder and
**Filter Plug**

## Technical Notes

- Make sure all USB hubs used with the device are externally powered (plug into wall).

- For best performance, use the device with OptiTrack's OptiHub 2.
- Users must have administrative privileges to install the USB drivers on their computer.
- **Important**: Slim 3U cameras must have a lens installed to track and capture video.

**Need help?**

Call technical support at 1-888-965-0435 or e-mail us at support@optitrack.com.

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## Frequently Asked Questions

Can I mix different types of cameras in the sync chain?

No, when using Slim 3U cameras, all cameras in the sync chain must be of the same type. Mixed sync environments are not supported.

How do I uninstall the Filter Plug/Filter Switcher?

Perform the installation steps in reverse to uninstall the Filter Plug or Filter Switcher from the camera setup.

# Documents / Resources



OptiTrack Slim 3U Capturing Fast Moving Objects [pdf] User Guide
Slim 3U Capturing Fast Moving Objects, Slim 3U, Capturing Fast Moving Objects, Fast Moving Objects, Moving Objects

## References

- User Manual

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