

# When to Use the CS-C Mount Adapter

CS-mount and C-mount lenses are two different lens mounts used for Lynx cameras. As most Lynx timers know, it's easy to accrue many different event-specific lenses over time. The type of lens used is a crucial factor in optimizing your photo-finish camera. For any questions or more information, please contact Tech Support: [support@finishlynx.com](mailto:support@finishlynx.com).

## What's similar between a CS-Mount and a C-Mount?

C-mount and CS-mounts are very similar; 'C' and 'CS' mount devices all have the same screw thread. They both have a 1-inch threaded screw-on attachment.



## What's different between CS-Mount and C-Mount?

The difference is that a C-mount lens needs to be 5mm farther away from the Image Sensor in order to focus properly.

## Why is the difference between these two lenses so important?

The CS-mount lens is 5mm *smaller* than a C-mount lens. The easy way to think about it is that the **S** in **CS**-mount stands for **S**mall. The regular C-mount is 5mm larger. This is important because the type of lens on each camera requires a certain distance between the image sensor and the lens.

## When to Use Which Adapter

Because Vision cameras have a CS-mount, you need to add the CS-C mount adapter if you install a C-mount lens on a Vision camera. The table below shows which mount goes with each Lynx camera. As seen below, our Vision-series cameras have a CS-mount on the camera. You can use a C-mount lens on Vision cameras, but a CS-to-C mount adapter is needed.

The EtherLynx-series has a C-mount on the camera. This allows it to use C-mount lenses. Unfortunately, a CS-lens cannot be used on a C-mount because the focal distance wouldn't be correct. The C-mount wouldn't allow the CS-lens to be close enough. It would be 5mm too far from the sensor.

Camera	Vision PRO	Vision	EtherLynx 2000	EtherLynx Fusion	EtherLynx PRO
Camera's Lens Mount Format	CS	CS	C	C	C
<b>C-Mount Lenses</b>	<b>Is the CS- to C-Mount Adapter Needed?</b>				
25mm (V2513)	Yes	Yes	No	No	No
12.5-75mm (155 & C1275M)	Yes	Yes	No	No	No
8-48mm (C848 & C848M)	Yes	Yes	No	No	No
<b>CS-Mount Lenses</b>	<b>Is the CS- to C-Mount Adapter Needed?</b>				
6mm (CS-612)	No	No	Not Compatible	Not Compatible	Not Compatible
2.8-10mm (CS2810P)	No	No	Not Compatible	Not Compatible	Not Compatible
5-50mm (IDL-CS5-50 f1.3)	No	No	Not Compatible	Not Compatible	Not Compatible



Do **not** use the CS-C Mount Adapter with **CS-Mount** lenses.  
Mount this lens directly to the camera.



You **must** use the adapter with Manual and Motorized C-Mount lenses

