

Imaging Solutions Group

C or CS MOUNT Application Note:

All ISG cameras come with a front-plate that is equivalent to the CS-Mount back focal length. Any CS-Mount lens can be screwed into this front-plate and work properly with ISG cameras. Any C-Mount lens may also be attached if a 5mm adapter ring is used. The 5mm adapter ring increases the back focal length of the camera to make it equivalent to the C-Mount standard. Therefore, ISG cameras can be used with any C-Mount or CS-Mount lenses. All ISG cameras are shipped with a 5mm adapter ring as a standard feature. Therefore, if you plan on using a CS-Mount lens you will need to remove this 5mm adapter ring. Additionally, there is a set-screw located within the threading of the front-plate mount. This set-screw is located under the tripod mount. If you remove the tripod mount it becomes visible. This set-screw allows you to secure the lens or adapter ring (whichever is used in the front-plate) to any location to assist in setting the focus point. Some lenses do not have a focus adjustment and in order to focus the lens you need to move it back and forth within the mount to get proper focus. Once this is accomplished you can use the set-screw to hold it in the proper position. The newest ISG cameras also have a small indentation within the front-plate mount. This indentation allows a shorter back focal length. This was done to offer further adjustment due to the wide variety of lenses used. We have found some lenses from a variety of manufacturers have different back focal lengths, outside the normal specification. This indentation will allow these lenses to work. Again, usage of the set-screw will enable any C or CS mount lens to be adjusted properly.

Please see the diagram below:

CS vs C MOUNT LENS

