



Ultimate SCT T-Adapter



What's Included

1. SCT Retaining Nut
2. M42 SCT T-Adapter Main Body
3. M42 SCT T-Adapter Tapered Extension
4. M42 to M48 Adapter
5. M42 Indexing Shim



Introduction

The Apertura Ultimate SCT T-Adapter takes the SCT T-Adapter concept to a whole new level. It was designed from the ground up with a heavy duty, modular, and lasting application in mind. The T-adapter has a thick mounting flange, large knurled retaining nut, and a super wide M42 camera mounting flange.

Camera Mounting Flange

The wide camera flange is extremely useful when attaching most popular astronomy cameras to an SCT. These cooled astronomy cameras use an M42 to M48 adapter ring which tends to over thread a factory type SCT T-adapter, causing the back focus to be off by around 5 mm; **this is not the case with our Apertura Ultimate SCT T-Adapter!**



Camera Rotation

The locking nut is a separate piece from the T-Adapter Main Body so that the T-adapter can be rotated independently from the lock nut and telescope. This functionality is important as it gives the T-adapter the ability to be used as a manual camera rotator.

Using a Filter Drawer with DSLR Camera on an SCT

Lets face it, clip-in filters are annoying to use and don't offer the versatility that standard 2" astronomical filters do. Up until now, there was no good solution for using 2" mounted filters with a DSLR camera on an SCT. The two piece design of the Apertura Ultimate SCT T-Adapter allowed us to make the rear portion removable, where the included M42 to M48 adapter can be installed. A ZWO M42 Filter Drawer can then be attached to this adapter and used with a DSLR camera while maintaining proper back focus for the SCT. *This is an option that has not been available in the hobby until now!*



M42 Indexing Shim

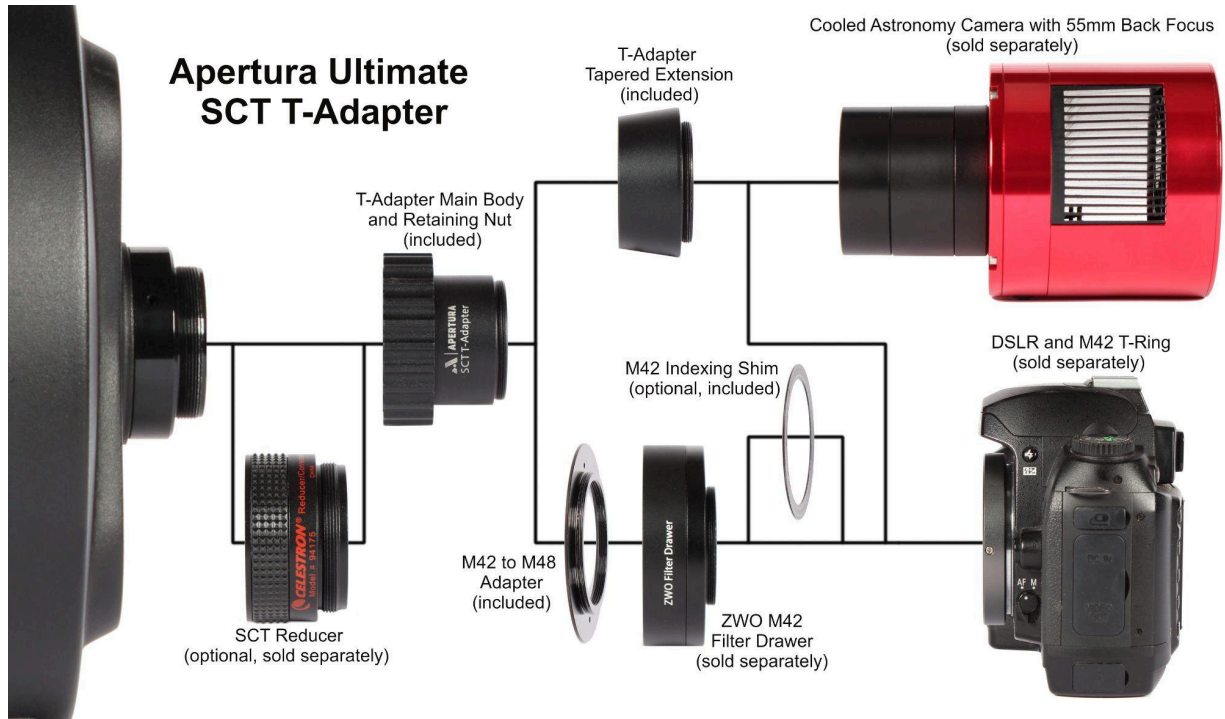
During initial testing, we discovered that some DSLR cameras have a large “nose” where the pop up flash is located. In some instances this protrusion can block the filter from being removed. If the components are assembled and this is found to be an issue, simply insert the included M42 Indexing Shim between the ZWO Filter Drawer and the camera's M42 T-ring. The shim spacer will rotate the Filter drawer so that the holder no longer contacts the camera nose when it is removed.



Using the T-Adapter with a Focal Reducer

The T-adapter is 50mm long when fully assembled to allow for proper 105mm spacing between the SCT focal reducer and Camera Sensor, assuming the correct 55mm back focus camera is used. If using a DSLR and ZWO filter drawer, the back focus is also at the correct distance for the SCT 0.63x reducer. There are no calculations necessary when using the Apertura Ultimate T-Adapter, just follow the easy to use T-Adapter System Diagram!

T-Adapter System Diagram



Warranty

The Apertura Absolute Warranty provides two years of coverage against product defects. After the initial two-year warranty expires, this product qualifies for Apertura's Three-Year Accident Replacement Program. In addition, the Apertura Absolute Warranty is transferable! It is important to keep your original receipt and the product's original boxes and packaging, should you need to make a claim.