

# C to C Mount Adapters

With equivalent image quality to the standard series couplers, this series eliminate the brand specific bottom clamp for connectivity to older or more obscure-brand microscopes. C-to-C mount couplers offer virtually universal connectivity from male C-mount microscope, to female C-Mount cameras.



*The C-Mount adapter (shown on right) would interface to your microscope - this would then supply a base for a bottom clamp, to which the optical camera adapter would then drop into, making it stable - much like the example to the left.*



C-to-Bayonet couplers offer the same imaging quality, value, and universal connectivity as C-to-C couplers but fit microscopes with male c-mount to bayonet-mount cameras. Available in magnifications ranging from 0.38X up to 2.0X for imaging flexibility. Simply match a magnification to your camera format as Best Scientific recommend for all our couplers. These, just like the SC range, have a built in 21mm diameter reticule holder, to add imaging precision, and utility.

#### C-to-C Mount Catalogue Numbers

25-70-54-56	0.38X C-to-C (1/3" Chip camera Format)
25-70-49-56	0.50X C-to-C (1/2" Chip camera Format)
25-70-50-56	0.67X C-to-C (2/3" Chip camera format)
25-70-17-56	1.0X C-to-C (1" Chip Camera format)
25-70-37-56	2.0X C-to-C

#### C-to-Bayonet Catalogue Numbers

25-77-22-56	0.50X C-to-1/2" SONY Bayonet
25-77-21-56	0.67X C-to-1/2" SONY Bayonet
25-77-33-55	0.50X C-to-1/2" Bayonet all but sony
25-77-23-56	0.67X C-to-1/2" Bayonet all but sony
25-77-25-56	0.67X C-F Mount Bayonet
25-77-24-56	0.677X C-to-2/3" ENG Bayonet

## Nikon and Olympus & other Fixed Mag Ports



Some microscopes have a fixed optical output system for their photoports, instead of a regular photoport. Nikon and Olympus have systems such as this. If you run in to this problem Best scientific Couplers have a solution.

### Nikon

Nikon have the DSC port fixed at 0.7X output magnification. The problem being this magnification is not suitable or compatible for standard sized chip cameras. Best scientific can supply you the above C-to-C mount adapter to solve this problem. Installing the relevant lens into the optical path you step up the magnification as required, to make the FOV suitable for the size of the camera chip you are using. See the Table below.



### Olympus

Olympus has a similar fixed magnification system known as the SZ61TR. This system is 0.5X fixed. This is a bit more flexible as a lot of camera chips are 1/2" which would make good use of the field the 0.5X magnification is displaying. However if you have any other sized camera chip you need the relevant lens to fill the FOV. While on the flip side you can over magnify, meaning you would lose part of your image outside of what the camera can see, specifically on 1/3" cameras.



#### **Nikon 0.7X DSC Adapter - converter**

1/3" Chip Camera	Use 0.5X Adapter
1/2 Chip Camera	Use 0.67X Adapter
2/3" Chip Camera	No Adapter
1" Chip Camera	Use 1.6X Adapter

#### **Olympus 0.5X SZ61 Adapter - converter**

1/3" Chip Camera	Use 0.67X Adapter
1/2 Chip Camera	No Adapter
2/3" Chip Camera	Use 1.6X Adapter
1" Chip Camera	Use 2X Adapter