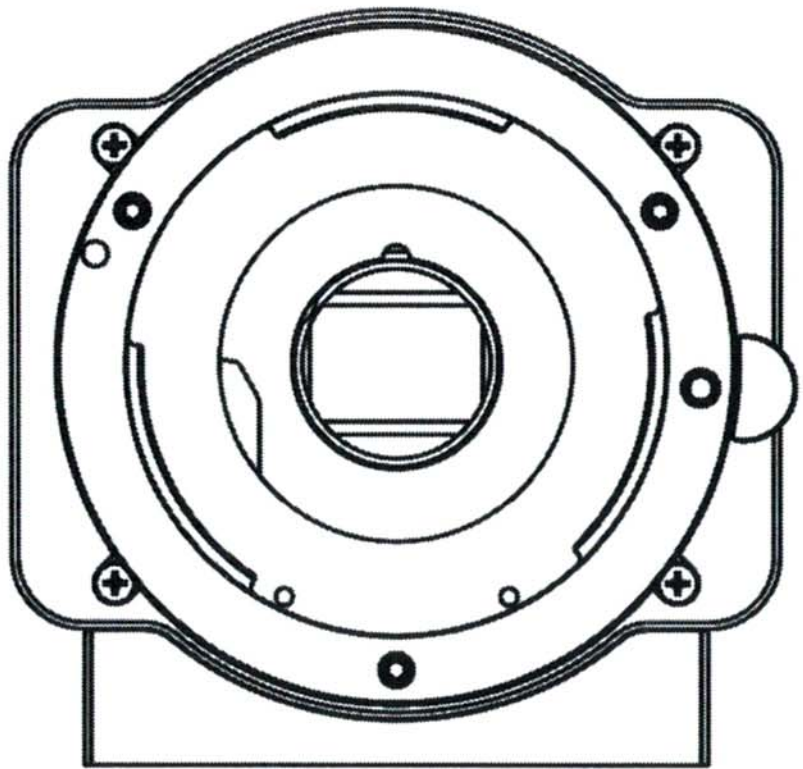




Scan for videos



RIBCAGE | RX0

QUICKSTART GUIDE

IMPORTANT: RIBCAGE RX0 camera is not waterproof.

For videos please visit: www.back-bone.ca/rx0-guide

MFT, C-Mount & Other Lens Types

Your Ribcage RX0 camera comes configured with an MFT mount which is designed for manual lenses only. The mount does not supply power or communicate with autofocus lenses.

You can re-configure the camera with a dedicated C-Mount and that enables all C-mount lenses; parts are included. Follow the instructions here: www.back-bone.ca/rx0-guide

A C-Mount adapter may be used with the MFT mount, however, the number of lenses that can be used with this approach is limited. Some C-Mount lenses are too large to fit down into those types of adapters for proper focus.

To connect SLR or other lens types you can purchase an optional adapter from our website which will allow you to connect them to C-Mount. There are also many MFT adapters available online for a wide variety of lens types if that is your preference.

Changing the Filter

Your Ribcage RX0 camera comes with an IR-Cut filter pre-installed to prevent infrared light from reaching the sensor - stopping the IR allows you to capture accurate color. There are numerous applications where you might want to replace that IR-Cut with a different filter - working in infrared or with NDVI (crop management) are examples (see Fig 1).

- To remove the filter, use a pair of small tweezers to pull out the rubber O-ring holding it in place. There's a small notch above it for this purpose.
- Turn the camera over and drop the filter into a microfibre cloth. If you intend to use the filter again be sure to place it somewhere safe where it will be clean and protected.
- Visually inspect the image sensor and new filter; clean if required. Hold the filter by the edges and drop it back into the socket, then replace the O-ring.

Cleaning

Routine changing of lenses and/or filters may cause the need for cleaning the filter and/or image sensor. A symptom of this is may be small dark spots in your images when your iris setting is high. In many cases just using a puffer to blow dust off the filter is sufficient. Never use tissues for cleaning as they leave a lot of small debris behind and can create tiny abrasions.

- Remove the filter as outlined in the section above
- Before cleaning use a puffer to blow loose debris from the filter & sensor
- We recommend using a LensPen MiniPro followed by a puffer for optimal results when cleaning both the image sensor and IR-Cut filter. Both can be found at photo stores online and in camera stores for just a few dollars. Use small circular motions to clean lenses and filters, then follow-up with a puffer.
- You may also use some lens fluid and a microfiber cleaning cloth. When cleaning the sensor never spray the fluid directly on the surface. Use a puffer to blow off any loose material, then spray a clean micro fibre cloth, wrap it over the end of a cotton swab and use small circular motions. Use the tip to gently clean the sensor. Once the surface dries use your puffer again to remove any remaining dust.
- To clean the filter simply drop it into a sprayed cloth and wipe until clear. If using a LensPen MiniPro make sure to use your puffer to blow off any loose debris first.
- Replace the filter as outlined in the section above.
- Test the camera by shooting a light-colored surface such as a wall with a high f-stop setting on your lens (f16). Repeat if needed.

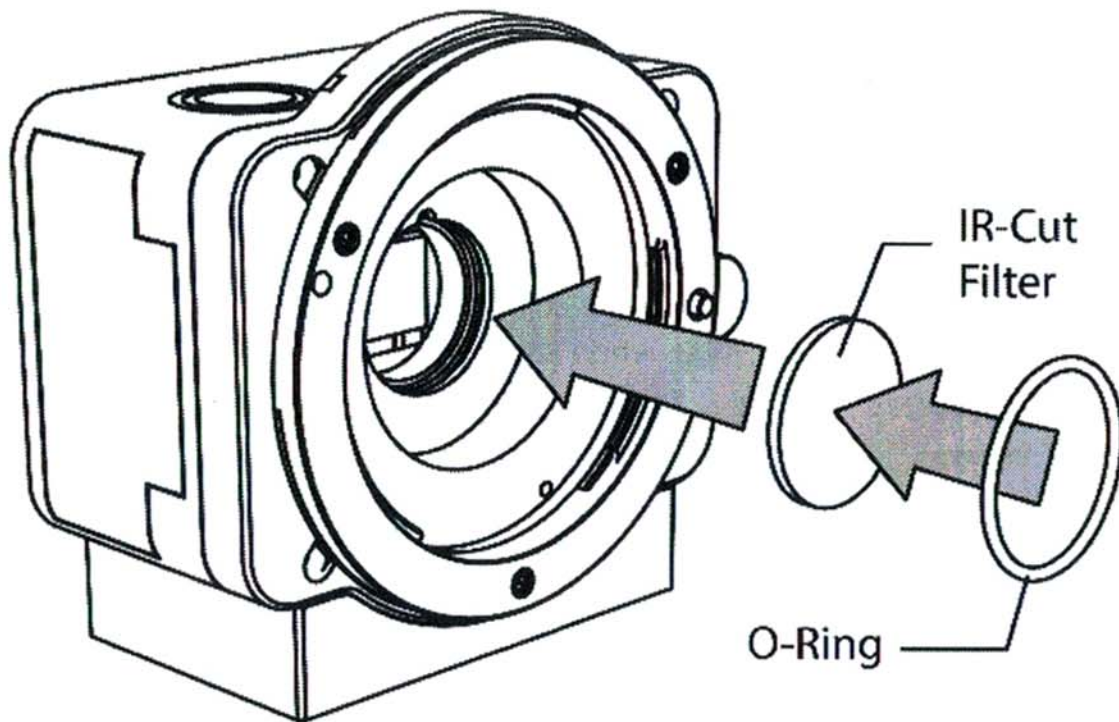


Fig 1.

Switching to C-Mount

Your camera comes configured for MFT lenses, however C-mount & Bolex lenses are also a great choice and might be your preference. While a C-Mount to MFT adapter will work for certain smaller lenses, to take full advantage of all C-Mount lenses we recommend switching to our dedicated C-mount plate (Fig 2). This can be done quickly and easily. Please visit the RX0 Guide page on our website for video instructions:

www.back-bone.ca/rx0-guide

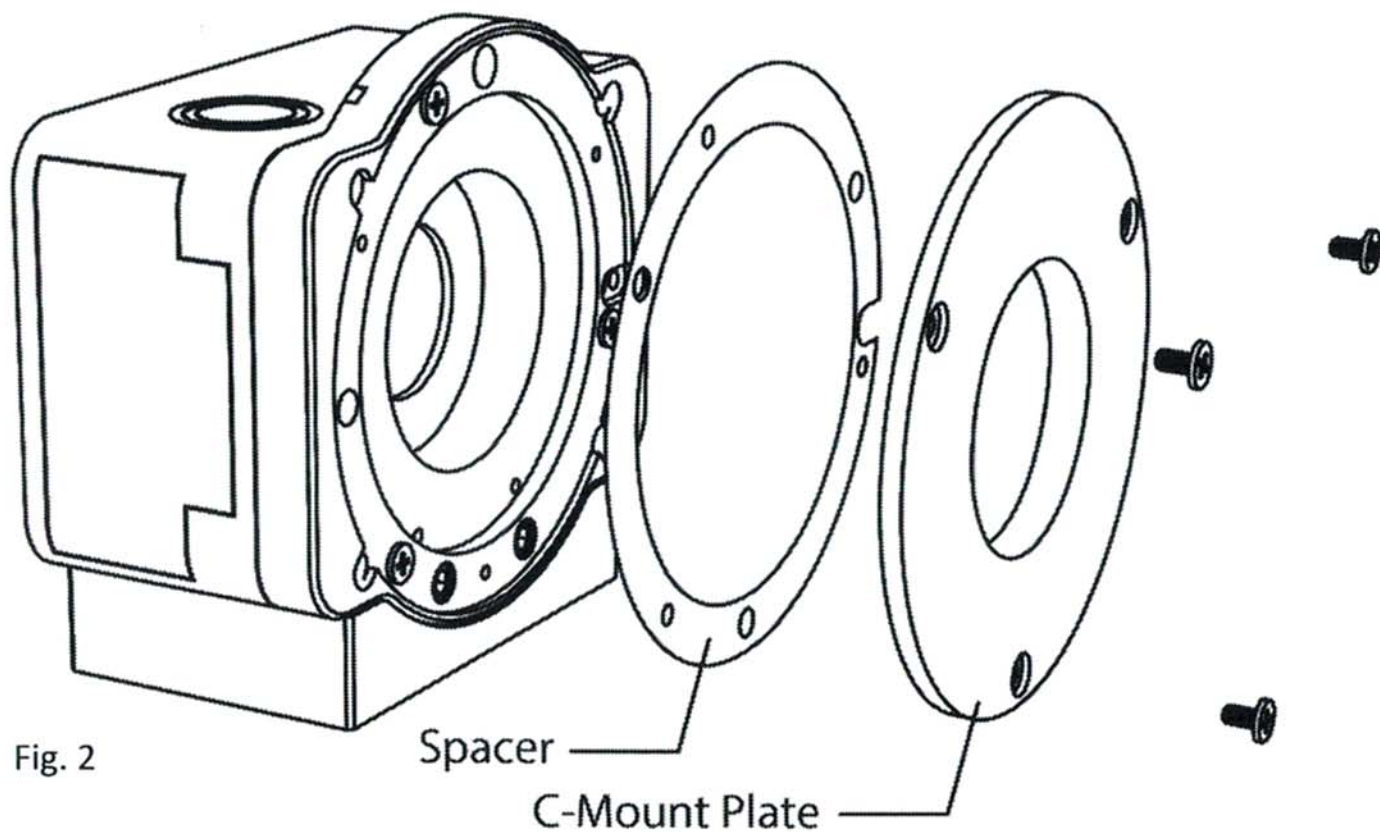


Fig. 2

About Infrared

Remove the IR blocking filter from your camera if you'd like to perform 'full spectrum' imaging, however, focus can be 'soft' without special 'IR-corrected' or 'Day & Night' lenses. Infrared is typically blurry when visible light is in focus, resulting in that 'softness'. An 'IR-corrected' lens has special optics to allow visible light and IR to be in focus at the same time.

We recommend using a Cold Mirror filter when shooting with 'normal' lenses i.e. without special 'IR-corrected' or 'Day & Night' lenses. Cold Mirror filters completely block visible light and only allow IR into the camera. You can also use an IR illuminator for night vision in the dark. You can also set up your own custom picture profiles to get exactly the look you want. Note that certain lenses may not be able to focus to infinity in infrared. For more information visit: www.back-bone.ca/filters/

Pro Tip: Ribcage RX0 Cold Mirror infrared filters are available in our online shop:

www.back-bone.ca/product-category/accessories/filters/

Known Issues:

Error Code E:61:00 – Enabling your camera to accept a wide array of lens choices requires that we remove the original SONY lens assembly. As a result, the auto-focus drive can no longer determine that lenses' position, resulting in the error code. This has no effect on the performance of the camera and the error code will not appear in any footage.

Camera Freezing When Using Mobile App – If you find that the camera hangs or freezes when trying to capture via the Sony Playmobile app simply change your focus method to 'PF' instead of 'MF'.

Support

- www.back-bone.ca/rx0-guide
- support@back-bone.ca

