

# Sensor Pan Bracket

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## Description

The Sensor Pan Bracket (SPB) is an adapter, which allows you to mount a rangefinder sensor to a cforce mini motor to pan the rangefinder during a take by the use of your wireless-focus unit.

It is made of milled and anodized aluminium, to keep the weight to a minimum, but provide more stability, than a 3D print would.

Natively it is designed for the Focusbug Cine RT, as this is currently the state-of-the-art rangefinder on the market, but by the use of an intermediate adapter, the CineTape, UDM and others can be mounted. Additionally, quick locks of various kinds can be attached to the SPB.

## Assembly

Provide a short 15mm- or 19mm-rod possibility to mount the cforce mini horizontally to your camera rods. The motor's final position obviously depends on your personal preference of the sensor's position and the available space over your lens. Don't mount the motor just yet.

In the SPB's base centre, there are six notches that match the design of the cforce-mini counterpart of the m0.8 gear. Use the M5 flanged-socket screw to screw the SPB to the motor. You can add the black plastic washer to protect the anodised aluminium from wear. The SPB can be mounted in four ways; over- and underslung on the top or bottom of the cforce mini, to suit your needs.

To limit the range of the SPB and provide hard stops for calibration, insert the M3 socket screws into the base's slotted ring and fix them in the desired position with the M3 lock nuts. It is so designed that the socket heads will act as hard stops by touching upon the motor housing. This way, you'll get a constant range, when your remote focus demands recalibration after a reboot, etc.

Focusbug CineRT: To directly mount the device to the SPB, use the same M3 you would use to attach the mounting block to the Focusbug Ultrasonic Base Sensor. Or use a 1/4-20 screw, when you have a mounting block on the UBS-100.

CineTape and UDM: You can purchase the respective Compact Bracket at [lenzcameratools.shop](http://lenzcameratools.shop) as an intermediate adapter, as you will need a 1/4-20 thread at the back of the rangefinder.

16x9 Inc. Cine Lock and similar quick locks: The slot ending in a 1/4-20 thread can be used to screw the male or female of the quick lock to the SPB.

Once the SPB and sensor is attached to the cforce mini, you can mount the motor on your previously provided 15mm or 19mm rod.

Now adjust both M3 hard stops to the range needed. As the SPB is milled aluminium, marks will unfortunately be left along the slots by the socket heads and lock nuts. But Garrett Brown taught us, that our equipment should look used, right?

Depending on your preference and channel availability, select iris or zoom on the motor and proceed to calibrate the system. Zoom may be the more readily available option, whereas the iris slider will give you a more intuitive feel of the sensor's direction when adjusting it mid take without being able to see the sensor itself.

## Shoot

Go ahead and enjoy the advantages of this lightweight, compact and affordable adapter! Thank you for purchasing this item and please feel free to share photos of your setups.