

### BACK-BONE



**OK, SO YOU  
CHANGED YOUR  
GoPro**



**TO THIS  
YOU NOW  
NEED TO THINK  
ABOUT THESE!**



**WE HAVE MANY YEARS EXPERIENCE IN  
THE SPECIFICATION AND SUPPLY OF  
C, CS, & S (M12) MOUNT LENSES.**

**PLEASE DO CONTACT US FOR HELP.**

**WEBSITE : [www.seesense.eu](http://www.seesense.eu)**

**E-MAIL : [nigel@seesense.eu](mailto:nigel@seesense.eu)**

- Whilst you can connect any M12, CS or C-Mount lens on to your GoPro Ribcage, 1/2" and 2/3" lenses are best.

- 1/3" or 1/4" lenses are not recommended because they are too small for the sensor and will vignette.

- 1/2.5" lenses are technically too tight but may work.

- Only manual iris lenses are supported. Auto iris lenses do not work - unless you can provide power for the iris.

- The shorter the focal length (i.e. <4mm) then the more pronounced any fish-eye effect will be.

- Lenses should be of 2.1MP resolution or greater. These are often labelled "HR", "HD" or "Megapixel".

- If you are going to use the GoPro with the IR cut filter removed then "Day / Night" or "IR Corrected" lenses should be used unless you are filming under total IR light conditions.

- The built in M12 S-mount will accept lens with a back focus of <4.65mm.

If it is greater then use our CS to M12 mount adapter.

- Ribcage has a crop factor of 5.7 for 35mm SLR lenses. The chart below shows the image circles of various lens formats. If you use a very large format you will only use the centre part of the glass which will affect light transmittance.

Visit <http://www.digified.net/focallength/>

Choose the "Digital Compact with 1/2.3" Sensor" option.

- Below is a selection of manufacturers SeeSense can recommend. Do not hesitate in contacting further assistance with your Ribcage and a full list of compatible C, CS or M12-mount lenses.

### RIBCAGE by BACK-BONE

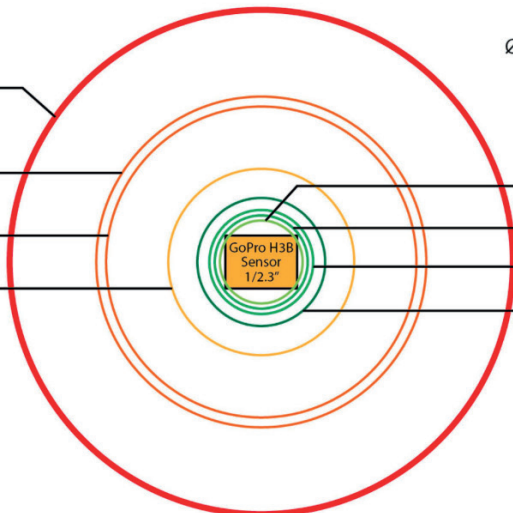
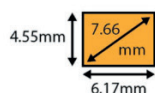
35mm Full Frame  
(Nikon FX, Canon EF) -  $\varnothing 43.3\text{mm}$

APS-C (Nikon DX, Pentax K)  
 $\varnothing 28.4\text{mm}$

Canon EF-S, APS-C -  $\varnothing 26.70\text{mm}$

1" (CS, C) -  $\varnothing 16.00\text{mm}$

Hero3 Black Sensor 1/2.3"



$\varnothing$  - Image Circle Diameter

1/2.5" (CS, M12) -  $\varnothing 7.18\text{mm}$

1/2" (CS, C, M12) -  $\varnothing 8.00\text{mm}$

1/1.8" (CS, C) -  $\varnothing 8.93\text{mm}$

2/3" (CS, C) -  $\varnothing 11.00\text{mm}$

**SeeSense Distribute**



**FUJIFILM**



**RICOH**  
imagine. change.

**Theia**  
TECHNOLOGIES

Rev: 2.019.0515 E.&O.E.



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