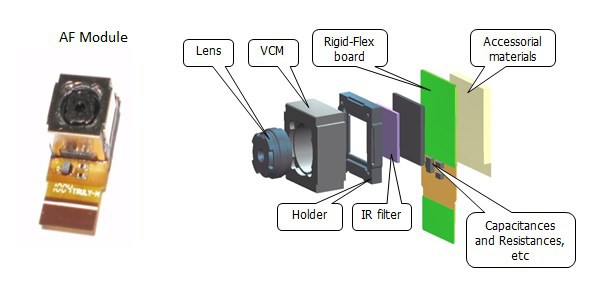
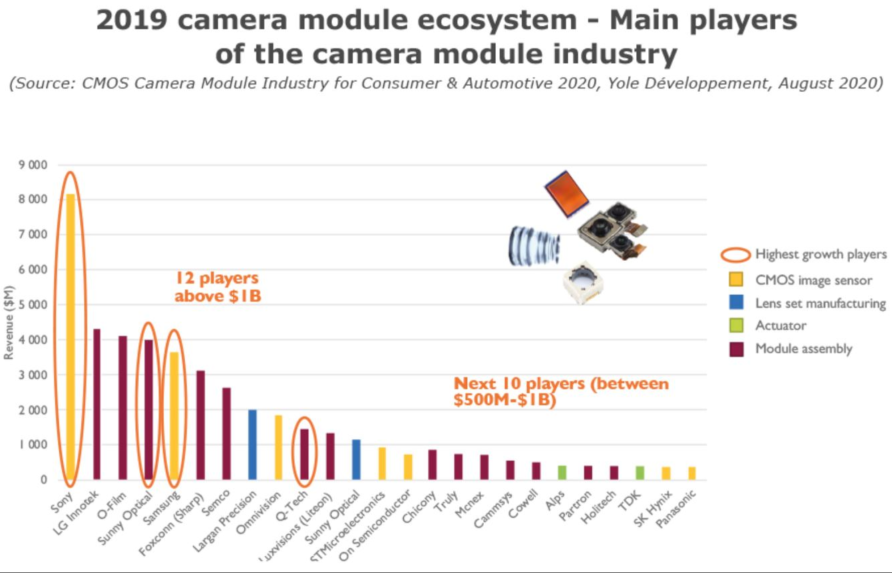
The Depth-AI camera modules and connectors are the most difficult hardware in a design to procure. Compact Camera Modules (CCMs) as shown in the picture below, are board mounting camera modules that contain a sensor. Making each camera (or really the sensor inside) interface with the Myriad X through the SoM is the value that DepthAI provides you. By using the camera modules/sensors which they have already developed the software stack for, you save yourself 90% of the time involved in making an embedded AI product.



*Figure 1: CCM diagram. Each component of the CCM is made by someone other than the camera manufacturer and thus multiple companies often have identical modules. The important part is what sensor is inside the camera, more on that later.*

These CCMs are most used in extremely high-volume consumer electronics and thus can be hard to get in low volume. Many cameras only have one compatible board connector. Others have a couple, but I will do my best to go through each available camera type, it’s uses and associated connectors at the end of this document.

Thus, for prototyping purposes, some camera modules have been stocked for low quantity sales by Luxonis. If you plan on moving your product into mid-volume production make sure you have a plan for sourcing. If you reach out to the Luxonis team they will be happy to help you source however they can. Luckily for the open-source community, Luxonis is working with a company to bring CCMs to the consumer market permanently and improve upon the proprietary mess that is the camera industry. While the below may look like a lot of manufacturers, many of these will be unlikely to take a call from you without an order of 10,000 or more.



Luxonis-DepthAI Products

BW1098OBC-USBC: **Cameras Stocked by Luxonis,** otherwise can be hard to purchase except large volume

[Stereo Cameras](https://shop.luxonis.com/products/ov9282-ccm-for-depthai-sunny-an01v32-0jg?pr_prod_strat=copurchase&pr_rec_pid=4706859089986&pr_ref_pid=4706857844802&pr_seq=uniform): OV9282 CCM Sunny Optical AN01V32

Connector: ACON BBR43-24KB533 (can help source)

[RGB 4k Camera](https://shop.luxonis.com/products/4k-imx378-ccm-for-depthai-sunny-a12n02a?pr_prod_strat=copurchase&pr_rec_pid=4706857844802&pr_ref_pid=4706859089986&pr_seq=uniform): IMX378 CCM Sunny Optical A12N02A

Connector: 24-5804-030-000-829 (digi-key usually stocks)