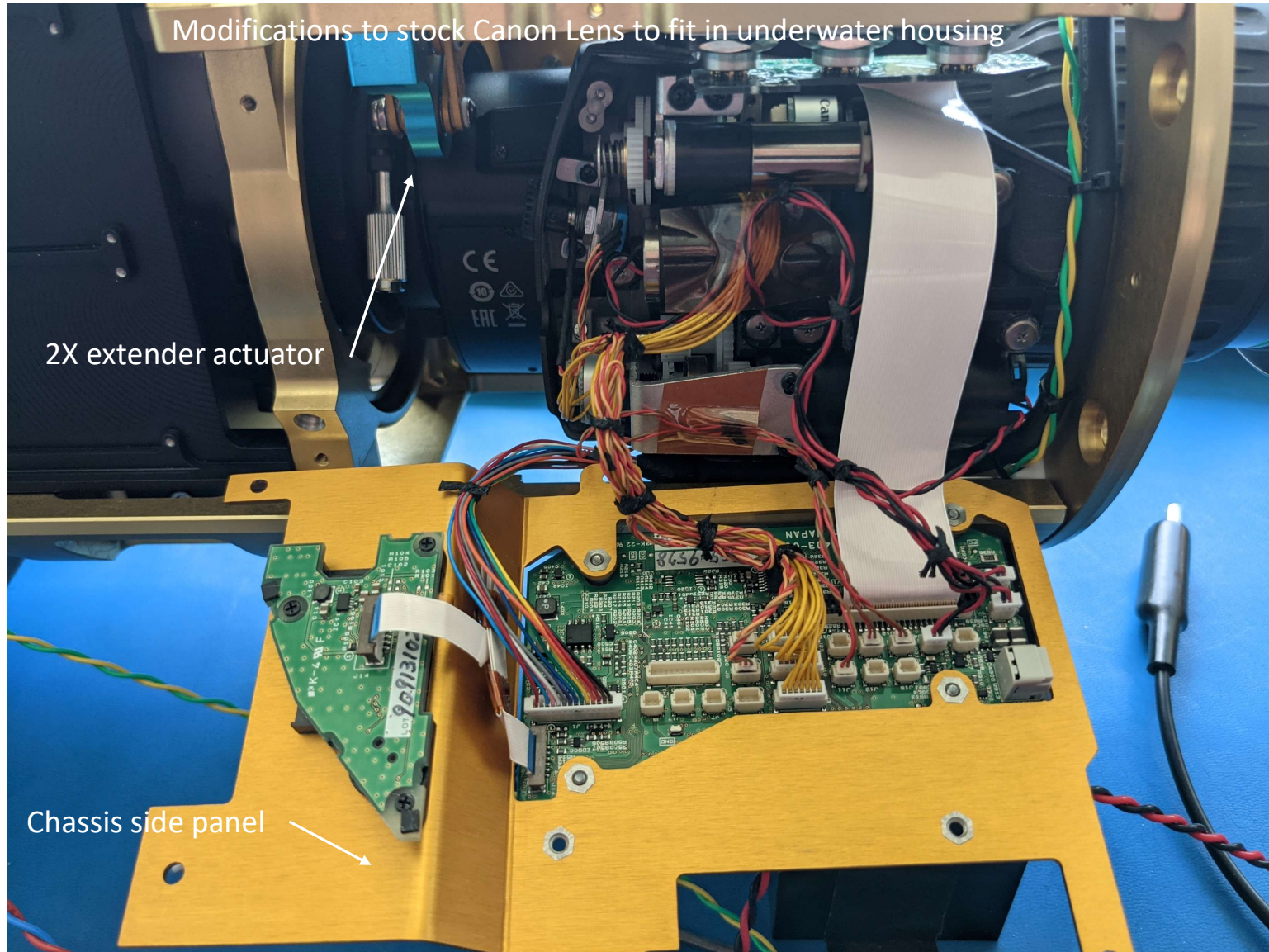


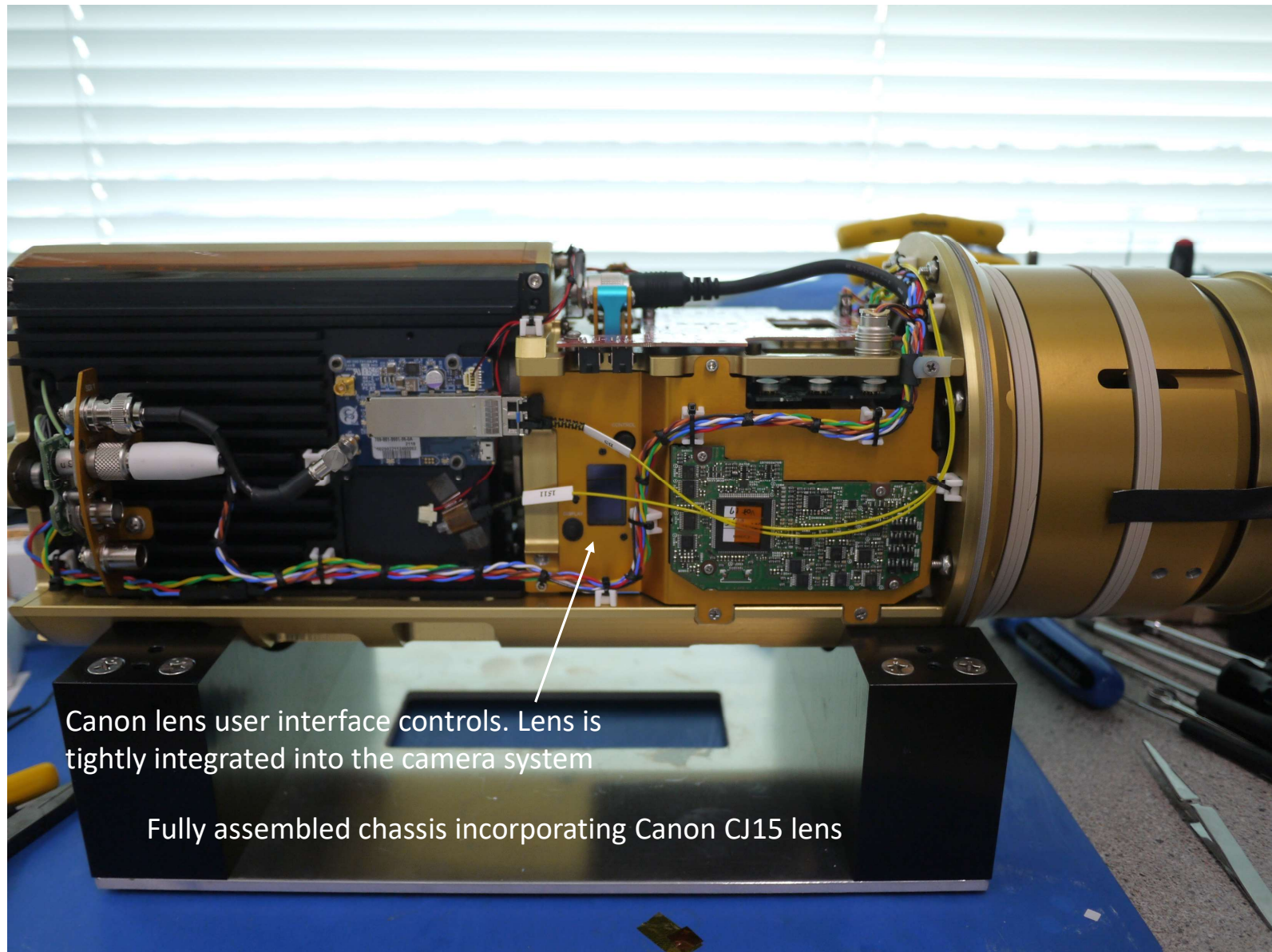
Camera System Design Using the Canon CJ15ex4.3 Lens

Modifications to stock Canon Lens to fit in underwater housing

2X extender actuator

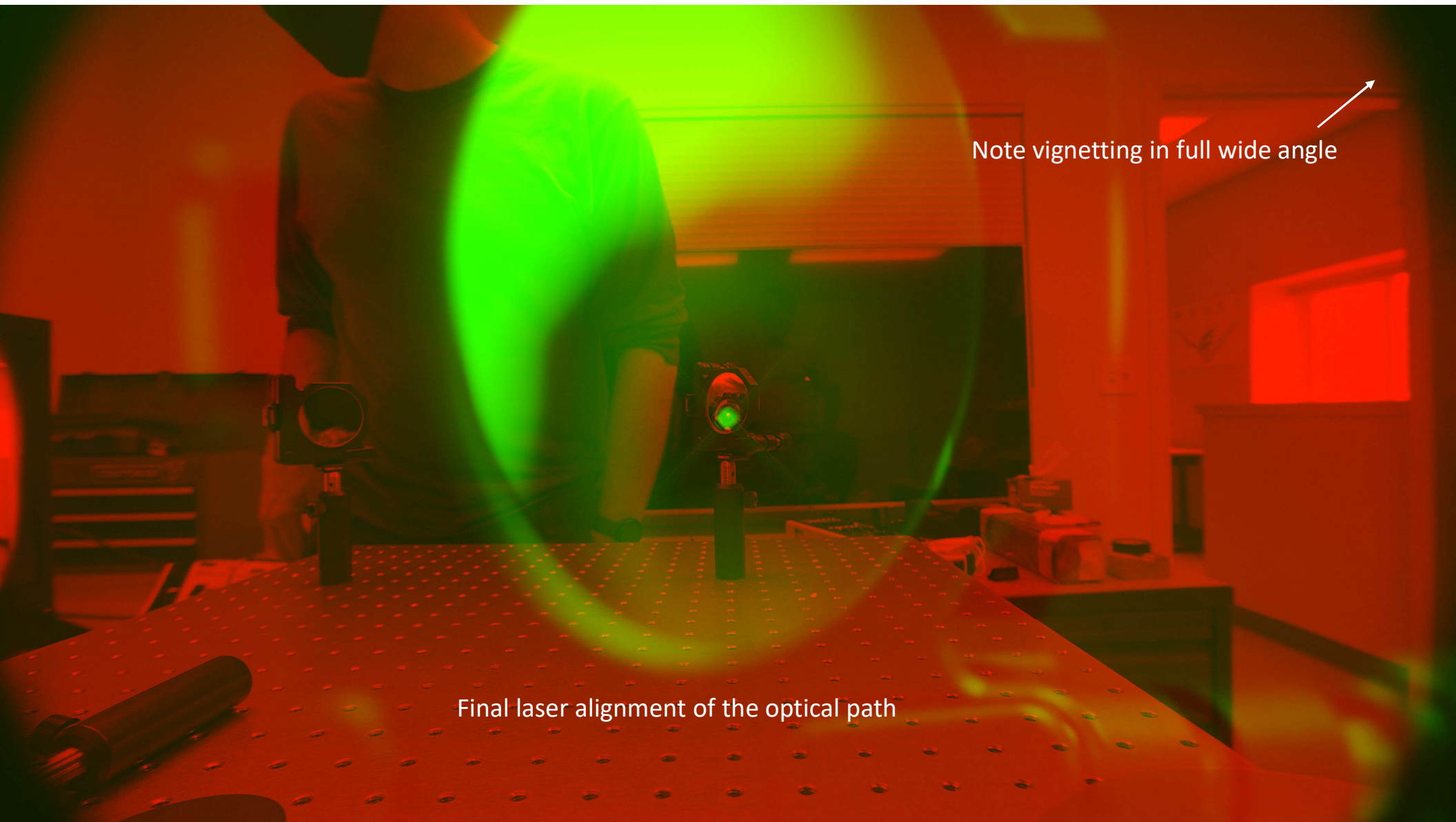
Chassis side panel





Canon lens user interface controls. Lens is tightly integrated into the camera system

Fully assembled chassis incorporating Canon CJ15 lens

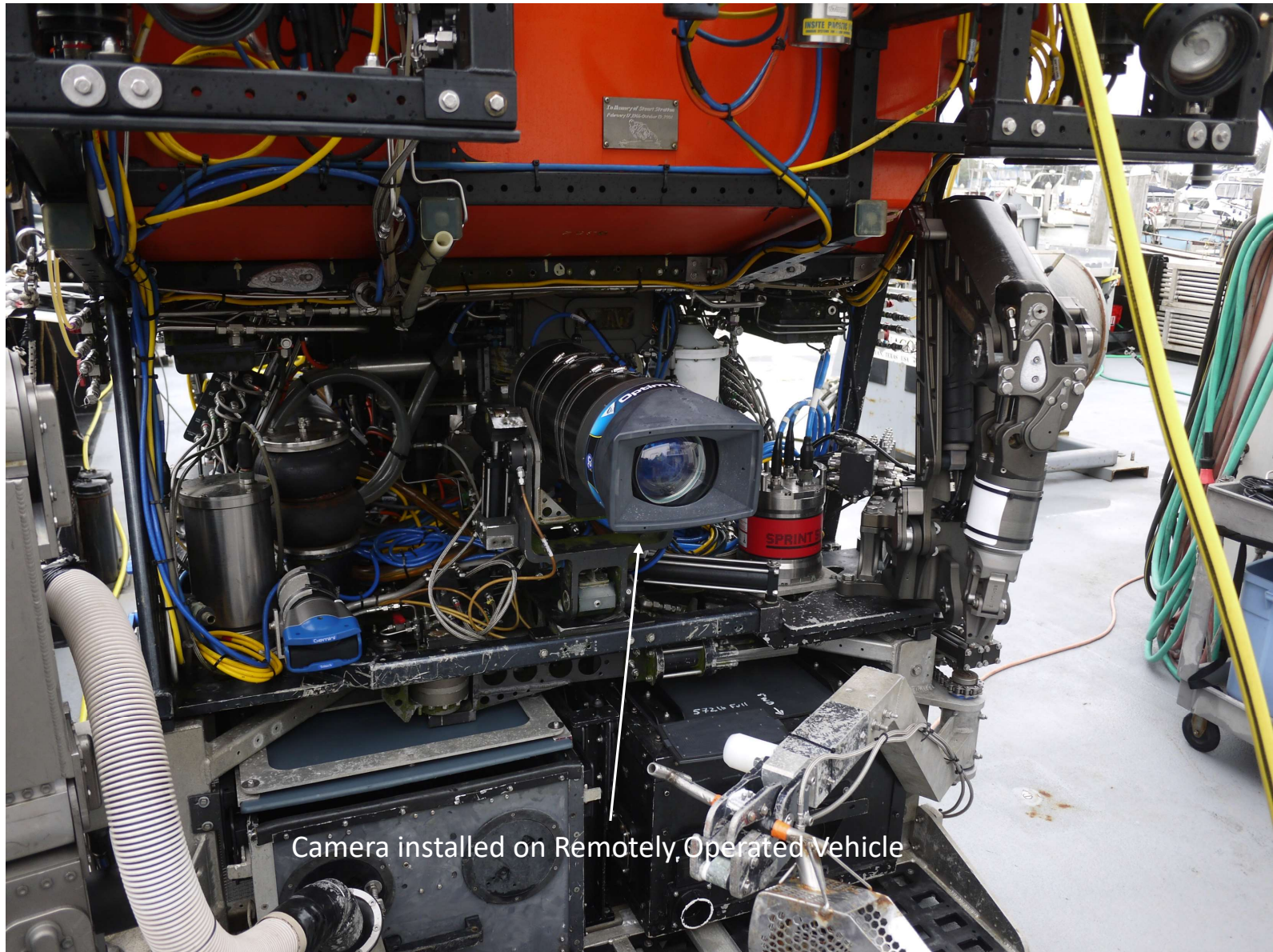


Final laser alignment of the optical path

Note vignetting in full wide angle



Full camera system



Camera installed on Remotely Operated Vehicle



Frame grab from underwater image at 1000 meters