	Description	Proprioceptive or Exteroceptive	Passive or Active
Camera	It provide the ADS with high resolution images and videos with both color and texture information. Relatively inexpensive and can be used for visual tasks such as lane and sign detection. Highly dependent on environmental conditions	Exteroceptive	Passive
MADAR PADAR	It measures distance, angle and velocity of the OV in the area of interest. Can work well in multiple weather conditions. Drawbacks: a limited field of vision and need to be calibirated to detect OV.	Exteroceptive	Active
	Emits laser and measures the time of flight to find the distance to OV. Similar to RADAR, but has higher accuracy and runs at higher frequency. Has drawbacks in terms of sensitivity to weather conditions, generating a large amount of sensor data as well as having a short range.		Active