

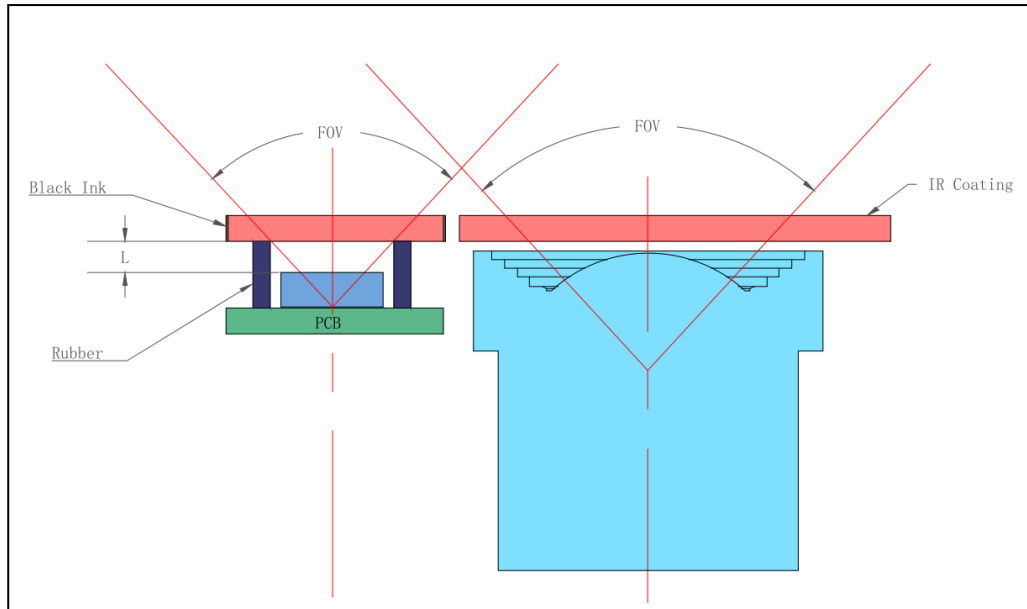


Pico Zense TOF Camera Cover Glass Design Guide



2019-07

Situation1 Both Laser and Lens have cover



In order to ensure smooth light path, and the emission light path and the incident light path are independent and non-interference of each other behind the cover, the recommended structure is as follows:

➤Cover design:

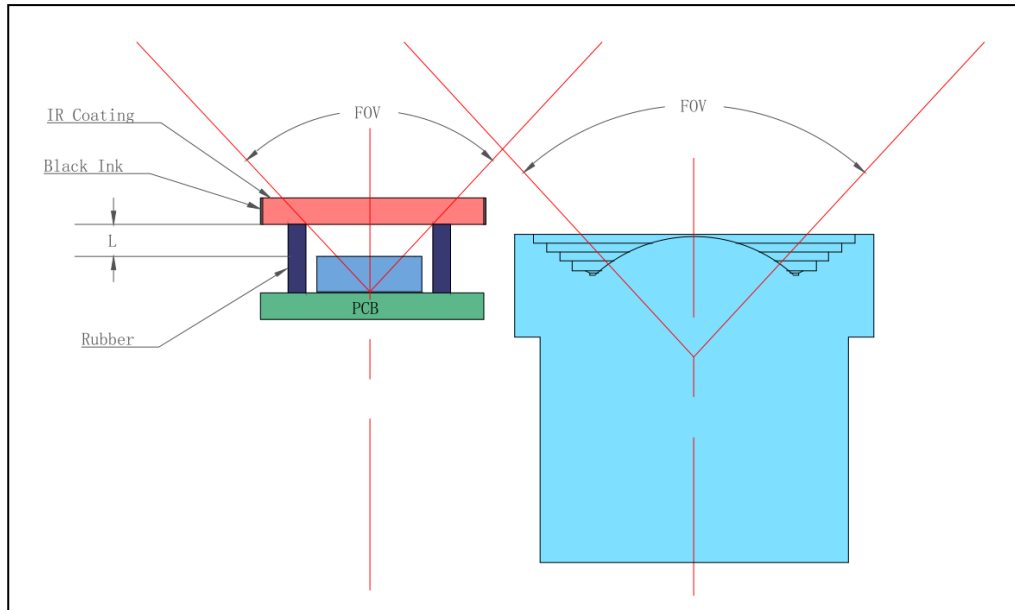
- Add Black Ink at both ends of Laser cover;
- Add IR Coating at upper and lower sides of Laser and Lens cover to increase transmittance.
- IR band range: 800nm – 1000nm
- IR transmittance $\geq 98\%$

➤Rubber design:

- Rubber height can't block Laser's FOV.

➤L is the distance between laser and cover, and its recommended value and limit value based on DCAM710(H-69°, V-51°) are as below:

	Recommended Value(mm)	Limit Value (mm)
L	1.37	0~4.28



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Thanks !