

Mounted photoconductive antenna on xyz translation stage

Any mounted photoconductive terahertz antenna from BATOP is surrounded by an aluminum heat sink with 25.4 mm (1") diameter. The antenna chip is adjusted and fixed on the high resistivity substrate lens with a diameter of 12 mm, which is thermal connected to the aluminium heat sink.

The antenna assembly can be mounted on a standard xyz 25 mm translation stage with differential adjuster and kinematic mirror mount with three adjuster screws for alignment of the antenna with respect to the exciting laser beam and the THz optics.

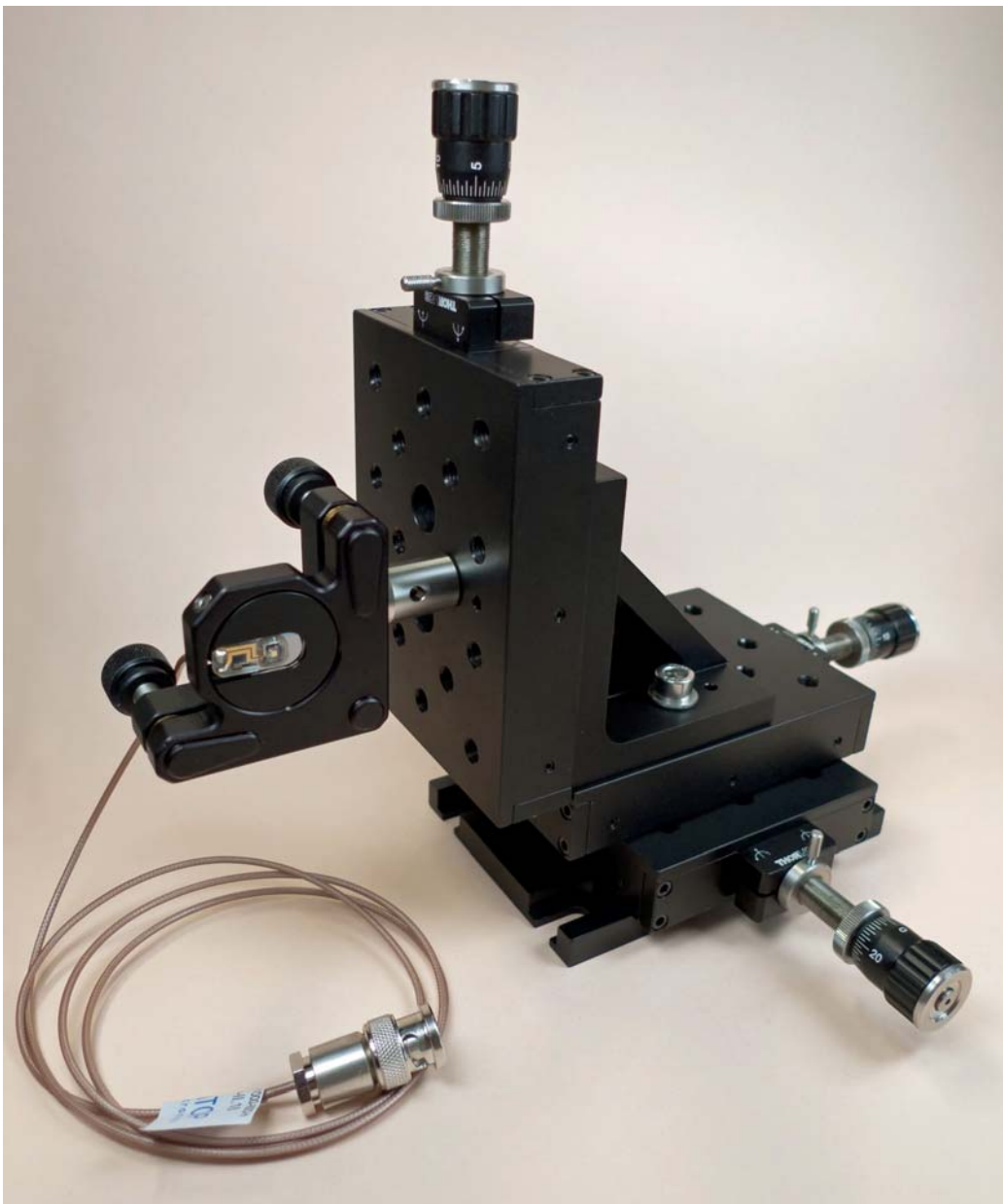


Fig. 1: Mounted photoconductive antenna (PCA) on xyz translation stage

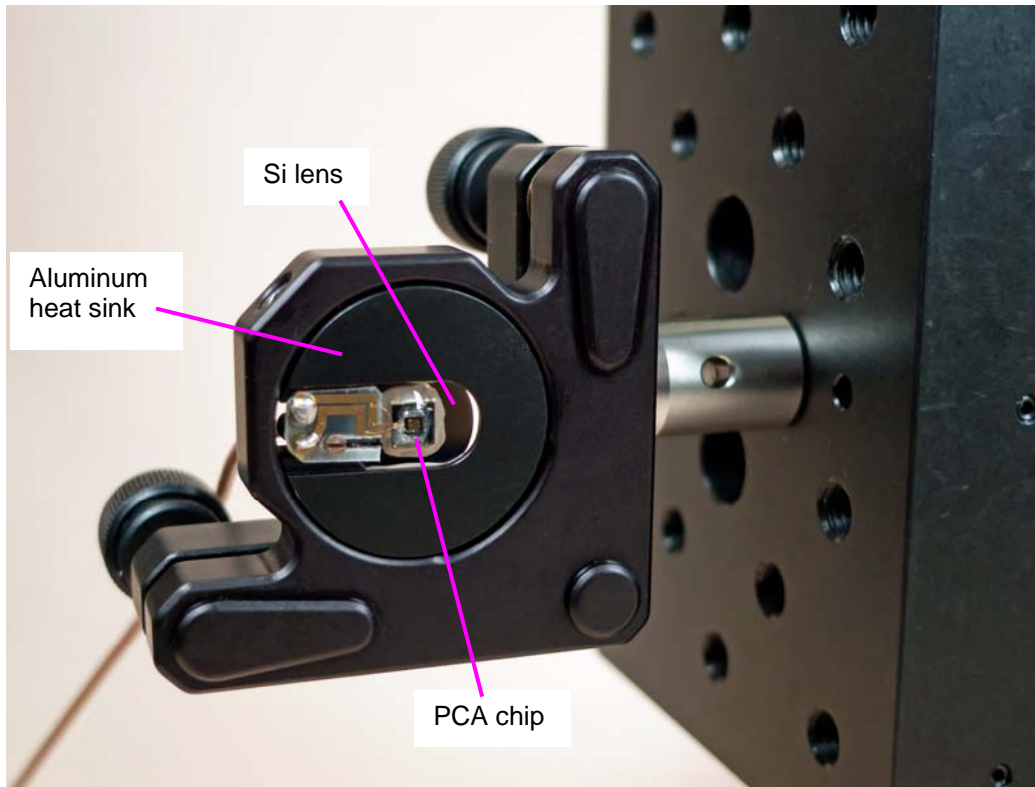


Fig. 2: Enlarged view of the mounted antenna

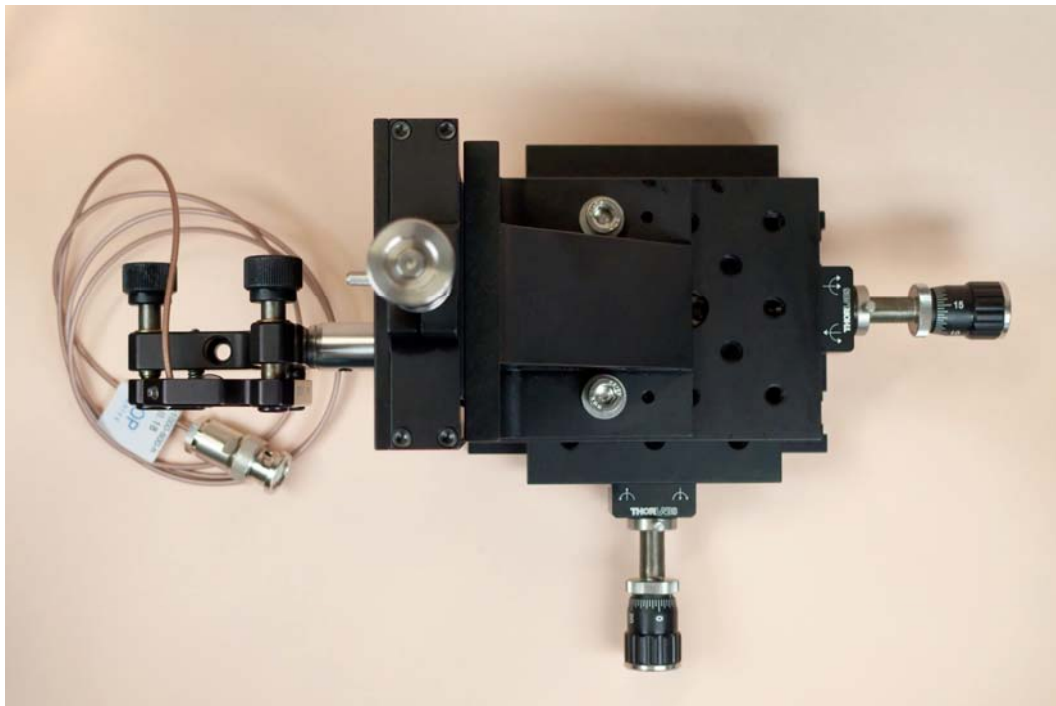


Fig. 3: Top view of the xyz translation stage with photoconductive antenna