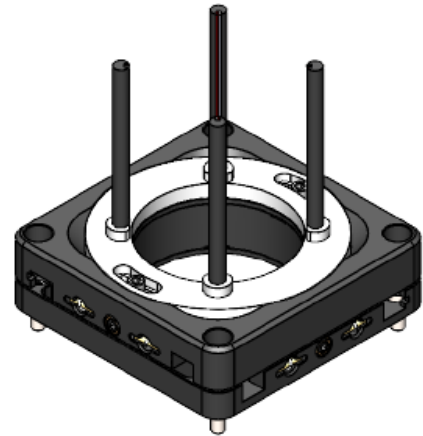


Fixed Magnet Assembly

PRODUCT HIGHLIGHTS

- **Compact** MOT Magnet Assembly
- Intended for use with **fixed Picas** or **doubleMOT**
- **Easy to generate** 2D magnetic field gradient

The CAMV2D is a compact permanent magnet that generates a fixed 2D MOT magnetic field. The CAMV2D is designed to work seamlessly with the fixed PICAS, doubleMOT or RuBECi to generate a steady field gradient optimized for 2D MOT generation. Permanent magnets are affixed into four aluminum rods that surround the source cell or CASC. The positioning of the rods does not interfere with the 2D MOT laser beams. A translation stage allows fine tuning of the magnetic field position in the x and y directions.

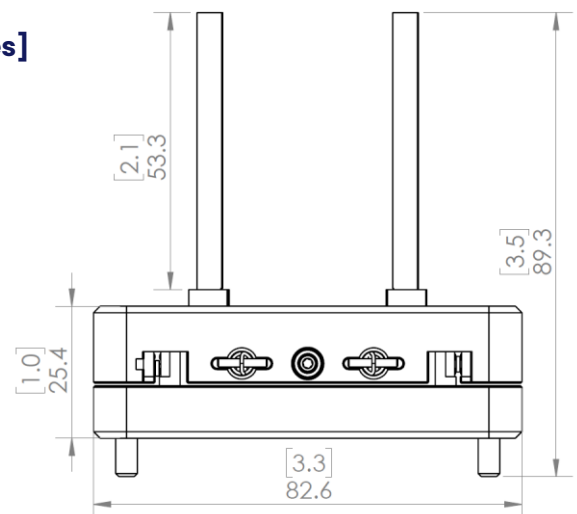
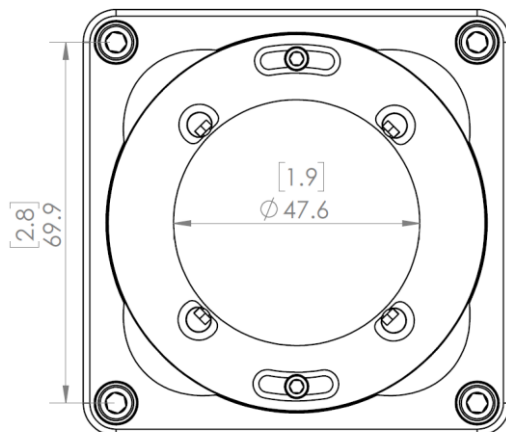


PRODUCT SPECIFICATIONS

Dimensions (W x D x L)	82.6 mm x 82.6 mm x 89.3 mm 3.3 in x 3.3 in x 3.5 in
Magnetic Field Gradient	25–40 G/cm
Mounting	4x 8-32 socket head cap screws
Compatible Products	• CASC • Fixed Picas • doubleMOT • RuBECi
Translation Stage Range	• $\approx \pm 1/8$ " in the x and y direction
Translation Adjustment Set Screw (x and y)	• 4–40

For more information, please contact sales@infleqtion.com

MECHANICAL DRAWINGS Measurements in mm and [inches]



UNCONTROLLED SALES DRAWING