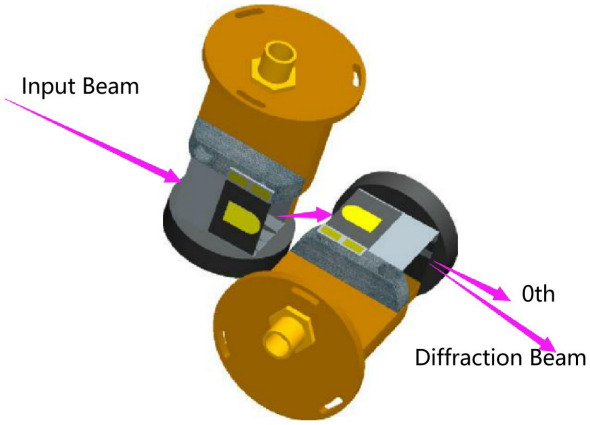
Two-Dimensional Acousto-optic deflectors (2D-AODF) can extend the scanning range to two dimensions through a pair of orthogonal acousto-optic deflectors and implements light spot random leaping scan. It is widely used in multiphoton excitation scanning measurement and imaging, femtosecond laser storage and laser micromachining.

Applications

- Laser display
- Micromachining
- Heterodyne interferometer
- Laser tweezers



Schematic diagram of 2D-deflector

2D- Deflectors Model Number：CADFD-f-r-a-mt-w-c-h

Center Frequency (f)	RF Range (r)	Aperture (a)	Material (m)	Mode (t)	Wavelength (w)	RF Connector (c)	Housing (h)
80 MHz 100 MHz ...	10 (±10 MHz) 15 (±15 MHz) 20 (±20 MHz) ...	005 (0.5 mm) 010 (1 mm) 020 (2 mm) 030 (3 mm)	TE (TeO_2)	C (Compressional) S (Shear)	1030~1064 nm 1066~1100 nm	AF (SMA-F) ...	B28

Typical Specifications

Operating Frequency	Active Aperture	Wavelength	Frequency Shift Bandwidth	Scanning Angle	Diffraction Efficiency	VSWR
100 MHz	5 * 5 mm	532nm	30 MHz	26.0 mrad	≥ 40%	＜ 3.5:1

Housing dimensions(mm):

B28