MRR technology	Liquid crystal (LC)/Ferro-electric liquid crystal (FLC)	MQW	Electro-optics	MEMS	Amplified fiber-retro: single channel/fiber array
Modulation	Polarization and amplitude	Amplitude	Polarization and amplitude	Amplitude	Amplitude
Speed	Slow	Medium-fast	Fast	Low/medium	Very fast possible
Power consumption	Very low	Medium	High	Low	Very low
Voltage required	Low	Low	High	Low/moderate	N/A (does not require any electro-optical. acousto-optical, LC or MQW material)
MRR diameter	Large	Medium	Medium	Small	Very small for single channel to small for array device
Mass	Low	Low	High	Low	Very low
Comments		Simple and rugged, easy to array for wide FOV; response shifts with temperature Cat's eye is capable of higher bandwidth	AOM can be very compact and high-speed possible	Low cost; deformable micro-mirror array possible for higher modulation contrast, and larger FOV	Single channel has extremely small FOV; array of fiber retro provides large FOV

MRR modulated retroreflector, *MQW* multiple quantum well, *MEMS* micro-electromechanical modulators system, *AOM* acousto-optic modulators