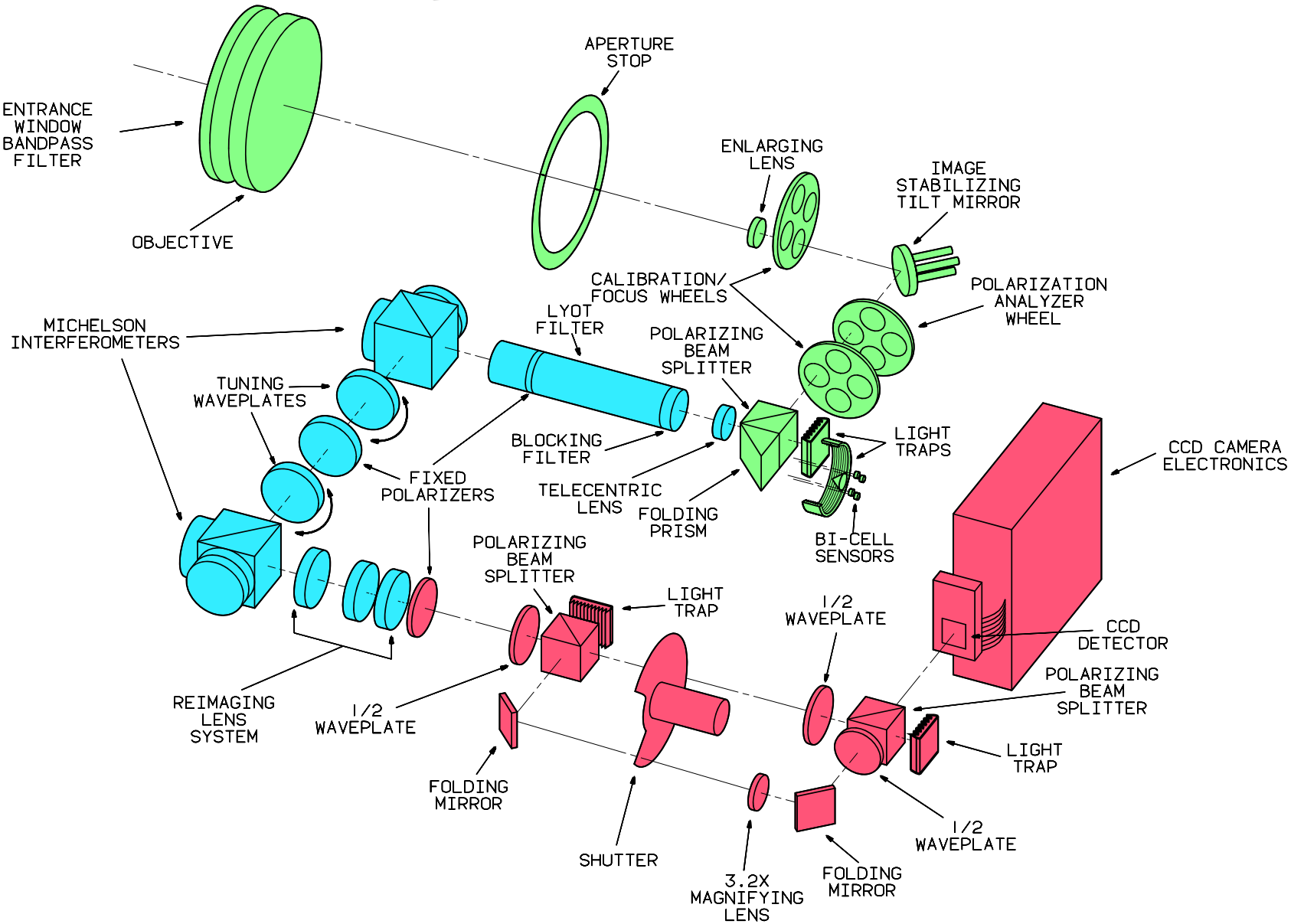MDI OPTICAL LAYOUT