

ABSTRACT

A shutter device, comprising a shading motion module (1) and a motion control module (2). The motion control module (2) controls motion of the shading motion module (1). The shading motion module (1) comprises a shading unit (30), a drive unit (40), and a signal measurement unit (20). The shading unit (30) comprises two blades (302). The motion control module (2) sends a control signal; the drive unit (40) receives the control signal and drives the two blades (302) to operate; the signal measurement unit (20) measures and feeds back the operation state of the two blades (302) in real time to the motion control module (2); the motion control module (2) updates the control signal according to the fed back operation state. Thus, the problems of low precision of the shutter exposure dose and light leakage are resolved; requirements of various exposure doses are satisfied; and the precision of the exposure dose is controlled.