

a backlight overlying only said LCD first region on said second side;

a processor for generating alignment markings on said LCD second region and alphanumeric characters on said screen first region;

at least one second mirror mounted on said frame arranged to reflect an image of a lens blank on said stage reflected from said first mirror, when said carriage is in said first position, onto the second side of the second portion of said LCD;

optics mounted between said first mirror and said at least one second mirror for inverting an image reflected from said first mirror; and

an actuator operably connected to said carriage for selectively shifting said carriage between said first and second positions and said lens block holder between said third and fourth positions;

wherein the generated alignment markings on said screen second region overlie the image of the lens blank reflected on the second side of said screen when said carriage is in said first position.

48. The device of claim 47, wherein said light source comprises a primary lamp and a secondary lamp mounted to said frame and a power source for powering either said primary lamp or said secondary lamp.

49. The device of claim 48, including an actuator for selectively connecting one of said first lamp and said second lamp to said power source.

50. A method of positioning a lens blank for blocking comprising the steps of:

providing a screen having a first side and a second side;

providing a stage;

placing a lens blank on the stage, said lens blank having a first surface facing the stage and reference markings on said first surface;

generating alignment markings on the screen viewable from the first side of the screen;

projecting a non-inverted image of the reference markings on the first side of the lens blank onto the second side of the screen; and

moving the lens blank with respect to the stage while directly viewing the real image of the lens blank and the generated alignment markings until image of the reference markings on the lens blank projected on the screen are aligned with the generated alignment markings on the screen.

51. The method of claim 50 including the additional step of enlarging the non-inverted image of the first side of the lens blank before the image is projected onto the second side of the screen.

52. The method of claim 51 wherein said step of enlarging the non-inverted image of the first side of the lens blank comprises the step of enlarging the non-inverted image of the first side of the lens blank by about one third.

53. A method of positioning a lens blank for blocking comprising the steps of:

providing a screen having a first side and a second side;

providing a stage;

placing a lens blank on the stage;

generating alignment markings on the screen viewable from the first side of the screen;

projecting an enlarged image of the lens blank onto the second side of the screen; and

moving the lens blank with respect to the stage while viewing the enlarged image of the lens blank and the generated alignment markings until selected portions of the enlarged image of the lens blank projected on the screen are aligned with the generated alignment markings on the screen.

54. The method of claim 53 wherein said step projecting an enlarged image of the lens blank comprises the step of enlarging the non-inverted image by about one third.

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