Microchannel Plate Spatial Light Modulator

The Microchannel Spatial Light Modulator (MSLM) is a versatile, optically-addressed, highly -sensitive device that is well suited for low-light-level, real-time, optical information processing.

A device to modulate spatially a collimated coherent beam of light with input data in optical data processing. It uses a photocathode mounted on a microchannel plate, which amplifies an electron ...

In the microchannel spatial light modulator (MSLM),1 a photocathode converts a 2-D addressing-light pattern into an electron image, which then passes through a 2-D microchannel plate (MCP) electron ...

A sensitive, high-speed, optically addressed spatial light modulator is being developed for real-time optical data-processing applications involving low-level-control light signals.

A microchannel spatial light modulator that has a photocathode to receive incident light and to provide a spatial distribution of photoelectrons (herein called an electron image) whose...

The Microchannel Spatial Light Modulator (MSLM), a versatile, highly sensitive, and optically addressed device being developed for real time optical information processing is discussed.

This chapter discusses spatial light modulator, which comprises a photocathode, micro channel plate, mesh electrode, and a LiNbO 3 crystal in a vacuum-sealed tube.

Recently, we report a new type of micro channel plate spatial light modulator (MSLM), in which the bulk LiNbO 3 crystal plate is replaced by an electro-optic composite material, namely, single crystal ...

The electro-optic plate carries a high-resistivity dielectric mirror on one side and a transparent conducting electrode on the other. The fundamental operating characteristics and ...

Web: https://maxtools.co.za