

光学设计

## CRT曝光式数码彩扩光学系统研究

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摘要

CRT曝光式数码彩扩设备是近几年发展起来的光机电算一体化的高科技产品.它由四部分组成:计算机主机系统、光学系统、电控系统和彩色扩印系统.其中光学系统是该设备的重要组成部分.它是一个长焦距、大视场的投影光学系统.叙述了数码彩扩光学系统设计的特点、难点及设计结果.

关键词 [数码彩扩](#) [投影光学系统](#) [大视场](#)

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## Study on the Optical System of CRT Digital Color Printer

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**Abstract**

CRT digital color printer is a high-technique product developed in recent years, which deals with optics, mechanics, electronics and computer technology. It consists of four main parts, which are called main computer system, optical system, electronic-control system and color printing system. The optical system is a projective optical system with long focus and large field of view, and is an important part of the equipment. The feature, difficulty and result of the design of the optical system are figured out in this paper.

**Key words** [digital color printer](#) [projective optical system](#) [large field of view](#)

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