LFR Mark III
Digital Film Recorder

If you operate a graphic arts department, a professional or corporate service bureau, the affordable ***LFR Mark III™*** is the right choice in price and performance for a high quality Digital Film Recorder. The ***LFR Mark III™*** comes with an impressive array of features specifically designed to produce high quality images in 4 x 5, 120/220, and 35mm positive film.

Enhanced Image Quality

- High quality imaging of positive film.
- 8K resolution.
- High resolution 6-inch CRT.
- Refined CRT pixel spot size for clearly defined small text and fine detail.
- Dynamic Focusing: image corners as sharp as center.
- Accurate computer-adjusted geometry and linearity guarantee images that are distortion free and precisely positioned.
- Full 36 bits of color per pixel for smooth color sweeps.
- Self calibrating, consistent quality output.

Fast, Real-World Imaging Speed

- 60 typical 35mm business slides can be produced in just one hour.
- 85K file at 4,000-line resolution in 40 seconds.*
- 29MB file at 4,000-line resolution in less than one minute.
- 109MB file at 8,000-line resolution in 2 minutes, 50 seconds.

*85K PowerPoint output file at 4,000-line resolution tested with Pentium 90MHz with 32MB of RAM.

Custom-Designed Camera Backs

- Lasergraphics' camera backs are highly optimized to operate with the LFR Mark III Digital Film Recorder.
- SmartBack™ 35mm camera back *included*.

Other options include:

- SmartPro™ 4x5 camera back.
- SmartPro™ 120/220 fully automatic camera back.
- SmartLoader™ automated, high volume, multi-canister 35mm film loader.

Multiple-Platform Compatibility

- The Mark II and Mark III Digital Film Recorder is fully compatible with Macintosh, Power Macintosh, Windows NT, Windows 95/98, and Windows 3.1.
- Set-up: Connects directly to standard Macintosh SCSI connector or to a PC using Lasergraphics' RascolPort or the standard parallel port.
- Easy to install and operate.

To see us is to believe us!

LASERGRAPHICS™

20 Ada, Irvine, CA 92618 (800-727-2655)
Internet Site - http://www.lasergraphics.com

GSA Contract number: GS-35F-4167D

Specifications of the LFR Mark III Digital Film Recorder

Addressable Resolution

- 2000 lines (2048 x 1681 addressable pixels)
- 4000 lines (4096 x 3362 addressable pixels)

Color Resolution

- 36 bits per pixel. Creates 24-bit images with 36 bits per pixel precision.
- 16.8 million colors per image out of a 69 billion color palette.

Supported Film Types

- Custom film look-up tables for a wide variety of Kodak and Fuji films.

Lasergraphics' Custom-Designed Camera Backs

- 100% Lasergraphics custom-designed and manufactured camera backs.
- Custom-designed fully coated optics for optimum performance.
- All lenses are computer focused for optimum image clarity.
- Sixteen character display for operator convenience.
- Operates only when film is properly loaded.
- Retains valid status information with power off, or when disconnected from film recorder.
- Highly optimized to operate with Lasergraphics' LFR Film Recorders.

Power Requirements

- 90-250V ~50/60Hz 2A

Environmental Characteristics

- Temperature: 15°C to 30°C.
- Humidity: 15% to 85% relative humidity non-condensing.

Physical Parameters

- 9" H x 10" W x 23" L , 38.5 lbs. (22.9 cm x 25.4 cm x 58.4 cm, 17.5 kg) without camera.

Warranty

- One year parts and labor. Extended warranty available.

Lasergraphics' Image Management Software

WinRascol™ Software

- Compatible with Windows NT, Windows 95/98, and Windows 3.xx.
- Raster formats can be added directly to a WinRascol print queue. These include TARGA, TIFF, PSD (Adobe Photoshop format), and Dicomed Tile (native raster file format for Dicomed, Inc. products). Additional file formats for WinRascol 4.1 include PCX, Bitmap (BMP), and JPEG.
- Windows applications can print directly to the WinRascol print queue using Lasergraphics' printer driver.
- LL (Lasergraphics Language), BLL (Binary Lasergraphics Language), and HPGL files created using Lasergraphics' BLL driver on PC or Macintosh computers can be added directly to the WinRascol print queue.
- PostScript compatible software through RasterPlus® Windows Edition, or ImageWorx™ for Windows.

MacRascol™ Software

- Macintosh OS 7.x or later recommended.
- Raster formats can be added directly to the MacRascol Queue Builder. These include TARGA, TIFF, PSD (Adobe Photoshop format), Photoshop 2.0, Dicomed Tile (native raster file format for Dicomed, Inc. products), and Scrapbook file formats.
- Macintosh applications can print directly to the MacRascol Queue Builder using Lasergraphics' chooser level driver.
- Macintosh PICT 1, 2, Scrapbook, and Clipboard can be added directly to Lasergraphics' MacRascol Queue Builder.
- LL (Lasergraphics Language), BLL (Binary Lasergraphics Language), and HPGL files created using Lasergraphics' BLL driver on PC or Macintosh computers can be added directly to the MacRascol Queue Builder.
- PostScript compatible software through Film Magic Pro for Macintosh.

Supported Networks

- AppleTalk
- Banyan Vines
- Windows for Workgroups
- Windows 95/98 and NT
- Lan Manager
- NFS
- Novell Networks
- Other (any other that offers DOS/Windows client access)

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