

LFR Mark III

Digital Photography Model



The *LFR Mark III Digital Photography Model* film recorder creates negatives that produce high quality images for photo restoration, photo business cards, greeting cards, and enlargements regardless of quantity. Affordably priced, this model includes, at no additional cost, more advanced features than any other film recorder in its price range.

Enhanced Image Quality

- High quality imaging of negative and positive film.
- 8k resolution.
- Extended Density Range technology (*patent pending*):
 - Greater tonal contrast and color depth range.
 - Added detail in highlights and shadows.
 - Clean (no halo) negatives for enlarged prints.
- Dynamic Focusing: Image corners as sharp as center.
- Accurate computer-adjusted geometry and linearity guarantees images that are distortion free and precisely positioned.
- Self calibrating, consistent quality output.

Fast, Real-World Imaging Speed

- High speed imaging of large raster files with Lasergraphics' RascalPort™ or with SCSI.
- 29MB file at 4,000-line resolution in less than one minute, or a 109MB file at 8,000-line resolution in 2 minutes, 50 seconds.

FullCircle Calibration™

- Makes high-quality prints from scans, transparencies, and photo CDs that look like the originals.
- Total imaging process controlled by FullCircle Calibration.
- Quick checking and updating of existing calibration.
- Eliminates costly trial-and-error adjustments.



Custom-Designed Camera Backs

- All Lasergraphics camera backs are highly optimized to operate with LFR film recorders.
- SmartPro™ 4x5 camera back.
- SmartPro™ 120/220 fully automatic camera back.
- SmartBack™ 35mm camera back included.
- SmartLoader™ automated, high volume, multi-canister 35mm film loader.

Multiple-Platform Compatibility

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

To see us is to believe us!



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

GSA Contract number: GS-35F-4167D

Ask about our leasing programs

Specifications of the LFR Mark III

Digital Photography Model

Addressable Resolution

- 4000 lines (4096 x 3362 addressable pixels)
- 8000 lines (8192 x 6724 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 various Kodak and Fuji positive and negative 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

WinRascal™ Software

- Compatible with Windows NT, Windows 95/98, and Windows 3.xx.
- Raster formats can be added directly to a WinRascal print queue. These include TARGA, TIFF, PSD (Adobe Photoshop format), and Dicommed Tile (native raster file format for Dicommed, Inc. products). Additional file formats for WinRascal 4.1 include PCX, Bitmap (BMP), and JPEG.
- Windows applications can print directly to the WinRascal 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 WinRascal print queue.
- PostScript compatible software through RasterPlus® Windows Edition, or ImageWorx™ for Windows.

MacRascal™ Software

- Macintosh OS 7.x or later recommended.
- Raster formats can be added directly to the MacRascal Queue Builder. These include TARGA, TIFF, PSD (Adobe Photoshop format), Photoshop 2.0, Dicommed Tile (native raster file format for Dicommed, Inc. products), and Scrapbook file formats.
- Macintosh applications can print directly to the MacRascal Queue Builder using Lasergraphics' chooser level driver.
- Macintosh PICT 1, 2, Scrapbook, and Clipboard can be added directly to Lasergraphics' MacRascal 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 MacRascal 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)

To see us is to believe us!



20 Ada, Irvine, CA 92618 (800-727-2655)
Internet Site - <http://www.lasergraphics.com>
GSA Contract number: GS-35F-4167D