

# LFR-X95

## For Desktop 35mm Slide Production



The LFR-X95™ provides enhanced image quality, speed, and camera-back versatility. This film recorder provides a full 33-bits of color per pixel for smooth color sweeps and finely shaded backgrounds. You'll produce slides with sharp, clearly defined text and incredible image detail in just 60 seconds. For camera back versatility, the LFR-X95 offers multiple camera-back options that include Lasergraphics' SmartLoader™, the automated, high volume, multi-canister 35mm film loader, and the Polaroid 339 instant film camera back.

### Enhanced Image Quality

- High resolution 4-inch CRT.
- Refined CRT pixel spot size for clearly defined small text and fine detail.
- 2k and 4k resolutions.
- Accurate computer-adjusted geometry and linearity guarantee images that are distortion free and precisely positioned.
- Full 33 bits of color per pixel for smooth color sweeps.
- Self calibrating, consistent quality output.

### Fast, Real-World Imaging Speed

- Sixty-second imaging speed - one third the time of its closest competitor.
- 60 typical 35mm business slides can be produced in just one hour.
- High speed imaging of large raster files: 10MB raster file at 4000-line resolution in one minute, three seconds.\*
- Dramatic increase in throughput using Lasergraphics' RascolPort™ on a PC.

### Camera Back Versatility

- The LFR-X95 comes standard with Lasergraphics' 35mm SmartBack™ camera.
- The custom-designed SmartBack camera is highly automated:
  - Operates only when film is properly loaded.
  - Retains valid status information with power off.
  - Rewinds automatically at end of film, with early rewind capability.
- Other camera back options include:
  - Lasergraphics' SmartLoader the automated, high volume, multi-canister 35mm film loader.
  - Polaroid 339 instant film camera back.

### Multiple-Platform Compatibility

- The LFR-X95 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 SCSI, Lasergraphics' RascolPort, or the standard parallel port.
- Easy to install and operate.

\* Personal LFR Plus with optional 2MB of memory tested with Pentium 90MHz using optional Lasergraphics' RascolPort, and Power Macintosh 8500/120.



# Specifications of the Personal LFR-X95 Digital Film Recorder

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## Addressable Resolution

- 2000 lines (2048 x 1365 addressable pixels)
- 4000 lines (4096 x 2731 addressable pixels)

## Color Resolution

- 33 bits per pixel. Creates 24-bit images with 33 bits per pixel precision.
- 16.8 million colors per image out of a 8.6 billion color palette.

## Supported Film Types

- Custom film look-up tables for various Kodak and Fuji positive and negative films.

## Lasergraphics' Custom-Designed SmartBack Camera

- 100% Lasergraphics custom-designed and manufactured camera back.
- 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.
- Highly optimized to operate with Lasergraphics' LFR-X95.

## 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 20" L, 33 lbs. (22.9 cm x 25.4 cm x 50.8 cm, 15 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 3.1.
- Raster formats can be added directly to the WinRascal print manager. These include TARGA, TIFF, and PSD (Adobe Photoshop format) file formats.
- Windows applications can print directly to the WinRascal print manager 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 manager.
- PostScript compatible through the Lasergraphics RISC Rascal Plus (hardware option), 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, and PSD (Adobe Photoshop format) files.
- 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 through the Lasergraphics RISC Rascal Plus (hardware option), or Film Magic Pro software for the Macintosh.

## Supported Networks

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



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