MOTION PICTURE FILM SCANNER

SCAN STUDIO PRO



A professional-grade motion picture film scanner engineered for archivists, filmmakers, and restoration specialists who need exceptional image quality and repeatable, reliable results.

Designed, built, and calibrated entirely in-house, it performs true frame-by-frame scanning beyond standard 4K — preserving fine detail, tonal depth, and color accuracy across every supported format.

4096×3000	12-bit	4 Formats	15 fps	USA
RESOLUTION	COLOR DEPTH	8 / S8 / 16 / 35MM	MAX FRAME RATE	BUILT IN-HOUSE

TECHNICAL SPECIFICATIONS

IMAGE SENSOR	Sony IMX545 (Pregius S CMOS)
RESOLUTION	**4096 × 3000** 12.3 MP, 12-bit (exceeds standard 4K)
PIXEL SIZE	2.74 µm × 2.74 µm (BSI CMOS)
DYNAMIC RANGE	Optimized for wide tonal depth and accurate color reproduction
FRAME RATE	Up to 15 fps (varies by format; limited by full-resolution file throughput)
ILLUMINATION	High-CRI strobe light source, synchronized to frame capture
LENS MOUNT	C-mount; 12–36mm varifocal lens included (single lens, all formats)
SUPPORTED FILM FORMATS	8mm, Super 8, 16mm, and 35mm
FRAME DETECTION	Fiber-optic perforation sensor with dedicated sensor head
CONTROL SOFTWARE	Scan Studio Capture — production-ready interface, included
CABINET & FINISH	Furniture-grade maple plywood with commercial high-pressure laminate (HPL) — Vintage Oak, Black, or Platinum

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TRUE 12-BIT ARCHIVAL CAPTURE

The Scan Studio Pro captures directly from the camera's native 12-bit Bayer data — with no conversion to 8-bit anywhere in the capture pipeline. Each frame is demosaiced at high precision and stored as a 16-bit RGB TIFF using lossless LZW compression, preserving the camera's full capture depth for archival scanning, color grading, and restoration.

12-BIT BAYER → HIGH-PRECISION DEMOSAIC → 16-BIT RGB TIFF · LZW

KEY FEATURES

ULTRA-HIGH-RESOLUTION IMAGING
4096 × 3000 per frame for detailed, high-fidelity transfers.

SONY PREGIUS S SENSOR
Back-illuminated CMOS: high sensitivity, low noise, accurate tone.

FRAME-BY-FRAME TRANSPORT
Smooth, precise handling that protects delicate, archival film.

OPTICAL PERFORATION DETECTION
Fiber-optic sensors for accurate frame registration, every frame.

WIDE DYNAMIC RANGE
Detail preserved in both highlight and shadow regions.

HIGH-CRI STROBE LIGHTING
Color-accurate, consistent illumination synced to every frame.

SINGLE-LENS DESIGN
One lens covers every format — no lens tubes to swap.

C-MOUNT LENS SYSTEM
12–36mm varifocal lens included for flexible coverage.

PROFESSIONAL CONTROL SOFTWARE
Scan Studio Capture — built for the machine it runs.

BUILT FOR SERVICEABILITY
Modular, upgradeable, and supported for the long term.

WHAT'S INCLUDED — COMPLETE SYSTEM

- Scan Studio Pro scanner — fully assembled furniture-grade maple plywood cabinet in commercial high-pressure laminate (Vintage Oak, Black, or Platinum) with matte-black control panel
- Sony IMX545 (Pregius S) camera
- C-mount 12–36mm varifocal lens
- High-CRI strobe illumination system
- Scan Studio Capture control software
- Film gates & reel spacers for 8mm, Super 8, 16mm & 35mm
- Factory calibration & testing before shipping
- Free shipping
- Direct support from the builder

BUILT TO EVOLVE, NOT TO BECOME OBSOLETE

The Scan Studio Pro was designed around a simple idea: professional equipment should be an investment, not a disposable product. As imaging technology advances, the scanner's modular architecture is designed to make future upgrades possible wherever practical — without replacing an otherwise perfectly capable machine.

NEW CAMERA TECHNOLOGY SHOULDN'T MEAN BUYING A WHOLE NEW SCANNER.

BUILT FOR PRESERVATION WORK

Whether you're digitizing historical archives, restoring motion picture film, or preserving private collections, the Scan Studio Pro delivers consistent results with care for the original material — and stays serviceable, upgradeable, and supported long after short-lived technologies fade.

INTERESTED IN ORDERING?

For current pricing and to place an order, visit our website.

motionscansystems.com

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