



POLAR HQ

The Versatile High-End Film Scanning Platform

Market-Leading Image Quality in a Versatile Platform

Polar HQ combines modular flexibility, pristine image quality, and exceptionally reliable handling for damaged and fragile film.

Pristine Image Quality

The low-noise, high-sensitivity sensor, combined with advanced Triple-Flash HDR technology, provides exceptional dynamic range, revealing fine detail in challenging, high-density, or severely faded film stocks.

Scan the Unscannable

With a variety of archive-specific options, Polar HQ is designed to handle even the most fragile and damaged film with unmatched care and precision. Its sophisticated film-transport system and imaging technology ensure safe and accurate digitization of compromised film.

Key Benefits

- **NEW: Advanced Sensor** – Low-noise, high-sensitivity sensor with exceptional dynamic range for challenging, high-density, or severely faded film stocks.
- **Optical Pin Registration (OPR)** – Pixel-precise frame positioning and touch-free image stability, even with warped or damaged film.
- **Up to 8K RGB-IR Resolution** – Outstanding spatial detail and color fidelity across legacy film gauges.
- **Smart Motion Gate System** – Capstan-driven, low-tension film handling, specifically for fragile archive material.
- **Exceptional Handling of Compromised Film** – Gate inserts and format kits specifically designed for severely degraded or damaged film stocks.
- **Universal Formats** – Supports film gauges from 8 mm to 70 mm.
- **Full-Immersion WetGate** – Fully liquid-immersed scratch concealment for 8 mm to 35 mm film stocks.
- **Digital Optical Sound Extraction** – High-fidelity optical sound captured simultaneously during the scan.
- **Infrared Channel (Dirt Matte)** – Simultaneous IR-channel capture supports automated restoration of dust and scratches.
- **Internal Storage** – High-speed internal storage enables scanning operations independent of external bandwidth constraints.

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