



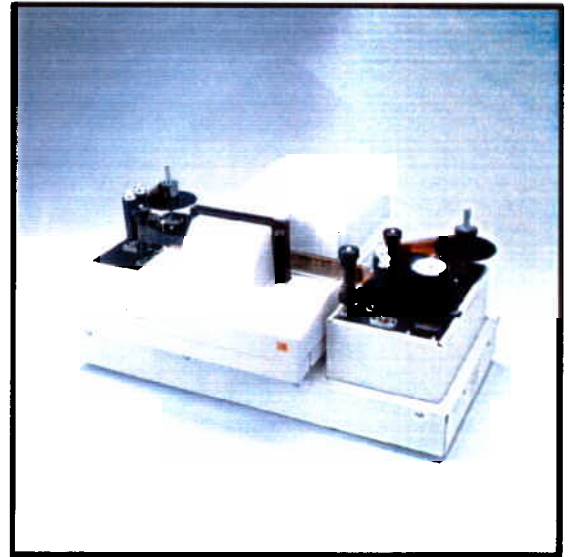
AFA – AUTO FILM ADVANCE

KODAK 3570 SCANNER MODEL

The DDA Auto Film Advance (AFA) is an accessory designed to automate the transport of long-roll film through the Kodak 3570 scanner. The AFA uses DDA's auto-frame detection technology (patent pending) to automatically transport and position the frame accurately within the scanning gate. This eliminates the need to punch or notch the film for frame detection.

The AFA is designed for use either as a stand-alone accessory for the Kodak 3570 Scanner, or as part of DDA's optional Swan Scanner Solution. The AFA's standard features include:

- Auto-detection of individual frames for 35mm, 46mm, 70mm and 120 format film – in lengths up to 100' long
- Auto-catalog of date, roll number, frame number etc. entered at scan time for database use
- Manual cataloging of customer name, photographer is also possible at the time of scan
- Saves the file in 8-bit per channel for retouching, composition & printing



Together with DDA's optional Swan Scanner software, Kodak Image Server Suite (ISS) and DDA's Export Module this system provides significant improvements in scan quality and expands the lab's services to include web access of the scanned images. In addition to the above, Swan delivers:

- Auto-scanning in 12-bits per channel using DDA Swan Software
- Auto-color correction of 12-bit per channel file using Kodak Image Server Suite
- Auto-creates thumbnail and view files for uploading to a web server using DDA Export Module

The AFA supports a growing trend towards a 100% digital, scan-once and use multiple-time workflow. The auto-frame detection system on the AFA eliminates the need for punching or notching the film – saving production time and minimizing physical damage to the film.

The 3570 scanner cradles on the AFA in a matter of seconds and is easily removed. In operation, AFA pre-scans the entire roll and separates each short-roll as a distinct job. The pre-scanning step determines the position and number of the frames within the long-roll. The AFA uses particle transfer rollers (PTR) to safely clean and remove dirt and dust prior to scanning.

At the time of the final scan, the AFA automatically transports the film to each of the detected frames and initiates the scanner. The date, roll number and frame number are automatically



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cataloged for use later in DDA's Opus-PL photo database or another database of the customer's choosing.

Using the optional Swan Scanner system, the 12-bit per channel scan is saved and the file transported to the Kodak Imer Server Suite for color correction. The scene balancing algorithms (SBA's) auto-correct each frame and eliminate some of the need for color correction with PVAC type systems. Color correcting the 12-bit per channel file, instead of the typical 8-bit per channel file results in an improved color gamut and better image quality.

The DDA Auto Film Advance is an affordable accessory for the Kodak 3570 scanner and vital to any lab that needs to digitize long-roll film for retouching or composite purposes.

TECHNICAL

- Film Format: 35mm, 46mm, 70mm and 120 format film – in lengths up to 100' on standard Kodak spools
- Film Types: color negative, color transparency, black & white negative
- Film Cleaner: particle transfer rollers (PTR) standard
- Pre-scan Speed: approximately 15 frames per minute
- Voltage: 110V – 240V, 50-60 Hz
- Amps: approximately 1 amp
- Certification: CE and ETL approval pending

STANDARD AFA WORKFLOW

