NAC's AZ-100
16mm Film Scanner

NAC's AZ-100 film scanner is the system of choice for users who want to convert film imagery to video tape or digital images, quickly and efficiently.

The AZ-100 scans 16mm film and provides S-Video output for capture by a suitably equipped PC. It is capable of scanning at 30 pictures per second, 15 pictures per second or in single frame steps.

The user friendly AZ-100 has the features that make it the ideal product for data analysis or archiving of 16 mm film images…

AZ-100 Film Scanner Features

- Automatically converts black and white or color 16 mm film to computer recognizable TIFF or AVI files or S-VHS format.
- The AZ-100 can be computer controlled and converted images may be stored on PC hard disk, other data storage peripherals, or on S-VHS videotape.
- Selectable film transport speeds of 0-10 frames/sec. (variable), 15 frames/sec. or 30 frames/sec. give the user the flexibility to convert images at a high rate of speed or to review images frame by frame.

The AZ-100 is an integral part of the Integrated Testing Database System

nac CARS Capture & Review System

MIRA DATA BUILDER

MIRA DATA VIEWER

The new Integrated Testing Database System incorporates MIRA's DataBuilder and DataViewer with NAC's Capture and Review System (CARS). Users import image and transducer data from a variety of testing sources, store the data on a single computer platform, identify the specific test information and simultaneously view the data from multiple images and the results from multiple analyses.

The system supports images from any combination of digital or analog video or 16mm film by completely synchronizing varying frame rates for consistency in the review of image data. Iconized camera and transducer position diagrams and a still picture library are automatically produced. Incorporating mathematical modeling into a presentation as well as correlating on time history and on motion visually is also provided for.

The complete system provides a clear, concise and integrated visual representation of the results of safety tests that streamlines management review. Test requirements and associated costs are reduced while the safety of new designs are improved.

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nac Image Technology

NAC's AZ-100 Film Scanner
SPECIFICATIONS

Film:	16mm film (both color and B/W)
Film Length:	Up to 800 ft. (244 meters)
Display:	Optional color monitor
Brightness Control:	By luminance adjustment on unit lamp
Rewind:	Fast rewind by direct transportation from left-side reel to right-side reel.
Video Output:	a. Color (standard) NTSC (RGB, Y/C) b. B/W Hi-resolution: 1,000 X 1,000 special I/F (on request)
Interface:	RS-232C

Note: Specifications and description are subject to change without notice.
Check with your NAC representative for latest specifications.

AZ-100 Options:

Capture and Control Software

The software displays the video image from the AZ-100 in three modes, Preview Mode (prior to capture), Capture Mode (during capture) and Review Mode (post capture). All three modes are available via the same GUI interface.

The software provides complete control of the AZ-100 via an RS-232C interface. This control facilitates the loading, cueing and temporal control (play, rewind, step, step reverse, etc.) of the AZ-100. This control is via an intuitive GUI and provides an 'on-screen' preview of the video signal from the AZ-100. The software allows the user to manage the image capture process, including allowing the user to review any captured image sequence via the common GUI interface.

The user has the option of saving the captured images to Motion JPEG AVI compatible files, a series of TIFF files or to a single multi-page TIFF file. The image files can then be stored using a variety of optional computer peripherals including Jaz media, CD-ROM, computer hard drive or to a computer network.

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