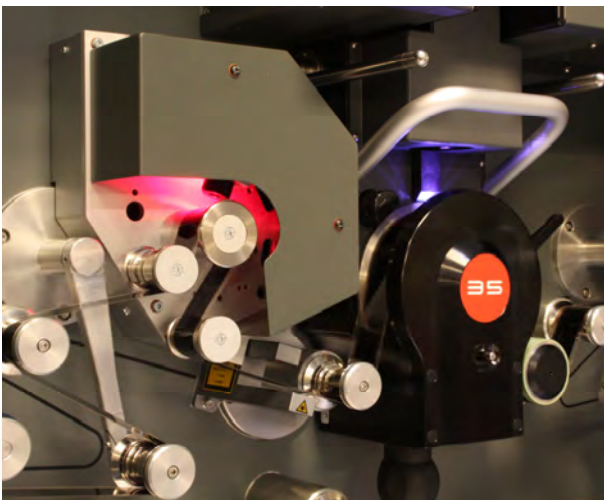


# SCANITY™

## Audio Scanning Option

SCANITY is a film scanner that offers unprecedented speed, versatility, stability and safe film handling. It serves a variety of scanning applications including; dailies, feature film scanning, EDL/conform scanning, low resolution browsing, archive and restoration scanning, short-form commercials, and digital intermediate scanning applications.

SCANITY provides Audio Scanning, an option that allows facilities to scan analog optical mono or stereo audio tracks on 16 and 35 mm film and magnetic tracks on 16 mm film. This feature eliminates extra and separate image and audio scanning passes.



The optional audio scanner is mounted into SCANITY before the Lens Gate Assembly. The capstan-driven continuous film transport offers real-time audio scanning in conjunction with real-time 2K film scanning. The sound track is picked up by audio heads, converted into .wav files on the SCANITY workstation and stored with the images. At this stage both the audio and image files are available for further processing or playout via e.g. a BONES/FLEXXITY post production system.

Internal processing within the audio scanner compensates for any audio delays that are introduced, as well as any pitch changes due to film shrinkage or other factors.



Many archive films contain optical or magnetic sound tracks. With combined features such as extremely gentle film handling and optical or magnetic audio scanning, SCANITY is an ideal scanning solution for the film archive market.

The audio scanning feature seamlessly integrates with BONES/FLEXXITY software applications.

The optical audio scanner can be ordered as an option with a new SCANITY, or added to existing SCANITY film scanners in the field. SCANITY must be configured for scanning 35mm, 4-perf, 2K with 25 fps (Speed A).

Please see the SCANITY Film Scanner datasheet for more details on SCANITY's key features, stability and steadiness, versatility and flexibility, gentle and safe film handling, workflow efficiencies and a series of frequently asked questions.

## Audio Scanning Option

### Key Features

- High performance audio scanner for mounting into the SCANITY film scanner
- Reads optical audio tracks on 16 and 35 mm positive film (print)
- Suitable for reading cyan-dye high magenta and silver optical tracks
- Variable area: Unilateral, bilateral, dual lateral
- Variable density
- Reads magnetic tracks on 16 mm film
- Scans analog audio tracks and converts them into digital audio files
- Eliminates extra and separate image and audio scanning passes
- Real-time audio scanning in conjunction with 2K resolution (SCANITY version SPEED A required)
- Generates broadcast .wav files for automatic syncing of images and sound
- Integrates seamlessly with BONES Dailies application for image and audio syncing and PayoutMaster
- Audio Base Option includes a platform for audio heads, wire harness and 19" 3RU electronics unit
- Compensates Audio Delays
- Pre-wired aligned and system tested
- Upgrade SCANITY with audio scanner in the field is possible

### Specifications

#### Reader Base Mechanical Dimensions

- Size Audio Base (mounting plate with heads): 220 mm (8.7") x 130mm (5.2") x 180 mm (7.1")
- Weight: 7.5 kg / 16.5 lbs (including Base with heads and audio processor)

#### Audio Processing Chassis Mechanical Dimensions

- Size: 19" 3RU, 480 mm (18.9") x 220mm (8.7") x 135 mm (5.3")
- Power: 110 - 230 VAC, 50/60Hz
- Power consumption: 20 Watts
- Mounted inside the SCANITY Film Scanner cabinet

#### Analog Audio Pick-Up Heads

- 35 mm red LED stereo reverse-scan
- 16 mm red LED mono reverse-scan
- 16 mm magnetic

#### Audio-File

- Digital Audio Level-18 dBfs at 0dBu operating level

#### 35mm optical

- Frequency Response 40Hz ... 12.5kHz  $\pm$  2dB (Reference Freq: 1kHz)
- Wow&Flutter IEC weighted < 0,15 %
- S/N CCIR 468-4 weighted > 52 dB

#### 16mm optical

- Frequency Response 40Hz ... 7kHz  $\pm$  2dB (Reference Freq: 400Hz)
- Wow&Flutter IEC weighted < 0,3 %
- S/N CCIR 468-4 weighted > 55 dB

#### 16mm magnetic

- Frequency Response 50Hz ... 12kHz  $\pm$  2dB (Reference Freq: 400Hz)
- Wow&Flutter IEC weighted < 0,15 %
- S/N CCIR 468-4 weighted > 55 dB

#### Analog Audio output Workstation

- Monitoring output level -3 dBu at 0dBu operating level input

### Ordering Information

| Part Number  | Model Number   | Description                |
|--------------|----------------|----------------------------|
| 000129341910 | FS Audio Base  | Audio Base Option          |
| 000129342410 | FS AUDIO-O35-O | Audio Head, 35 mm optical  |
| 000129342310 | FS AUDIO-O16-O | Audio Head, 16 mm optical  |
| 000129342510 | FS AUDIO-M16-O | Audio Head, 16 mm magnetic |

### Headquarters



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