



MEMORY

2007  
SatisFecit  
Innovation award

## HD Telecine Datacine Memory 8/16 mm

features & advantages

Real time & faster  
Camera 3 CCD HD  
Downconversion to SD  
Optical & magnetic sound  
Controls & color correction for SD & HD  
Synchronization: bi-phase, RS422

### • SCRATCH REDUCTION SYSTEM

**MEMORY** is equipped with a color-integrationsphere located just above the film. The lighting of the film is diffuse rather than direct. This minimizes the appearance of scratches while maintaining a more uniform illumination of each film frame.

### • SPEED CONTROL "RE-MAPPING OF TIME"

After a transfer at 50 f.p.s. , our software automatically re-adjusts the playback at its initial speed of 16, 18, 24 or 25 f.p.s.  
**++ Reduce transfer times by up to two times!!**

### • FILES & VIDEO OUTPUT

Our telecine can instantly create files such as AVI as producing HD-SDI video output  
**++ Instantly import our files into digital editing software. No need for separate data acquisition !!**

### • TRANSFER SPEED IN REAL TIME AND EVEN FASTER

**MEMORY** SD or HD transfers films in real time 12/16/18/20/22/24/25 fps and up to 50 f.p.s. **++ View your output in real time during the transfer**

### • CAPSTAN DRIVE & TENSION REGULATION BY TENSION ARM FEEDBACK

Especially designed to handle shrunken, old and damaged footage, **MEMORY** is neither pin registered nor sprocket driven. It instead uses tension arms and a capstan drive to provide the most gentle film handling possible.

**++ Better stability, better film handling**

### • COLOR CORRECTIONS SOFTWARE

2 levels of color correction : HSL and RGB Standard presets are pre-programmed, with records of LUT Tables

### • A SYSTEM OF IMAGE CAPTURE BY MIRROR

Image capture is performed with a galvanometric mirror, tracking each frame at a very high speed, thereby recording a still frame. Contrary to flash systems, which attempt to capture a moving frame, or an optical prism system which can cause partial image deformation, **mirror transfers provide the best quality transfer possible, with greater precision, and greater stability!!**

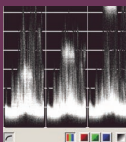
### • MEASURING INSTRUMENTS INTEGRATED INTO THE SOFTWARE

Waveform, oscilloscope & vectorscope  
**++ More natural with no additional tools or costs**

### • THREADING

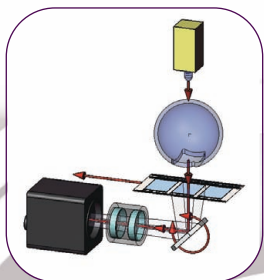
No sprocket holes to align, no pressure rollers to adjust. Ours is a simple and intuitive way to thread the film with one swift motion.

**++ Simple and fast to load : 30 seconds for threading**



## TECHNICAL SPECIFICATIONS

- 8mm and/or S8mm and/or 9.5 and/or 16/S16mm and/or 17.5mm (any upgrade possible\*)
- Magnetic sound 16\*
- Optical sound 16\*
- Magnetic sound 8/S8\*
- Embedded audio for HD-SDI\*
- 320 m capacity (up to 600m\*)
- Capstan drive w/ naturally regulated tension by arms control high precision
- High quality capture : Oscillating galvanometric mirror synchronized on film running speed
- One continuous cold white DEL array (homogeneous, high energy and long life)
- Integrated scratch, dust and white spots reduction system : specific homogeneous light diffusion sphere
- Superior steadiness – regulated by Kolibri software
- Camera 3CCD HD
- Play and record speed 12/16/18/20/22/24/25 fps up to 50fps
- ultra speed rewind : from 4 times, up to 6 times\* to real time speed
- Cleaning PTR rollers\*
- Archive stocks up to 2%
- Archive stocks extra warped kit for up to 4% shrinkage for 16 and/or 35mm\*
- Keycode reader\*
- Bi Phase output and genlock input synchronization, basic RS422 protocol master (/slave\*)
- Advanced RS422 panel remote control telecine/VTR editing option\*
- Highly progressive software Kolibri (1 year free up dates) for color corrections and entire telecine scanner control
- Two integrated color correction systems with specific automatisms, integrated tools & measurement
- Scene by scene color correction system\*



• System of oscillating mirror with galvanometer synchronized on each film frame

- Tangent/JL cooper panel control\*
- Output : AVI data file (compressed/uncompressed 4:2:2) and/or HD-SDI, SD-SDI\* and/or DPX data file\*
- Including hardware : furnished with mouse, central unit with basic first storage, screen, keyboard, jog shuttle : play, stop, shuttle, frame per frame, fast forward, fast rewind with visible picture)
- Including Kolibri software for control and the color corrections
- Lowest operating and maintenance cost

### Capture

Resolution	HD
Output	HD-SDI data rate 1,485 Gbit/s (SMPT 292) Single Link 4:2:2 1080i 50
Format	800 TV lines
Horizontal Resolution	HD sync 0,6Vp-p 75 Ohms
External sync	

### Telecine Output

AVI file	HD compressed MJPEG (800 Mo/min) or uncompressed YUV 4:2:2 (6 Go/min) or SD 720x576 as downconversion (MJPEG, DV, 4:2:2) SD format: 16/9 letterbox or 4/3 center cut
DPX*	Audio : uncompressed Digital Picture Exchange (DPX) ANSI/SMPT 268M-2003

### Video\*

HD-SDI (SMPT 292) simultaneously with SD-SDI (SMPT 259)  
SD format : 16/9 letterbox, 16/9 anamorphic or 4/3 center cut  
Analog component signals: Y, B-Y, R-Y  
Composite and S-Video signals (PAL, NTSC\*)  
External HD sync  
Audio : 2 channels XLR  
Run up time: < 1s  
*\*optional*

### DIMENSIONS

Width:	108 cm
Depth:	70 cm
Height:	60 cm
Crating size:	140 x 80 x 90 cm (WXHXD)
Net Weight:	90 kg
Gross weight:	160 kg
Power:	220V or 110V single phase 2,5 kVA, 50 or 60 Hz