



HD RAM Still & Clip Store with Wipe Generator

# MovieVideo-SCS



Uncompressed HD Video Still and Clip Store for  
Film-to-Video and Video-to-Video Color Correction  
and Scratch Removal Applications

## Features

- HD interlaced and progressive video formats (1080i, 1035i, 720p, others on request)
- D1/D5 formats optional
- HD serial digital and parallel digital I/O options
- Pixel depth of 8 or 10 bit, software switchable
- Up to 4 GB of RAM for up to 32 seconds of 8-bit HDTV (nearly 1000 HDTV frames)
- 18 GB system disk drive for additional near-line storage (for 3600+ HD frames and housekeeping)
- 2 GB JAZ drive for archival storage of stills/frames (400+ HDTV frames on each JAZ drive cartridge)
- Wipe generator included (with toggle mode)
- RS-422 remote control interface for control by other systems
- Thumbnails presentation, up to 64 thumbnails per screen, programmable selection

## Description

### Color Correction Applications

The MV-SCS is designed specifically for applications supporting color correction operations in HD film-to-video transfer facilities, providing a convenient system whereby the operator can capture, manage, store, recall, and display a large number of high definition video still frames for color correction comparisons. The MV-SCS offers several modes of operation compatible with color correction while transferring from telecine as well as color correction when dubbing between two HD VTRs, or with a single HD VTR taking scratch frames off, cleaning up, and laying the clean frames back on the VTR. A dedicated control panel is included, which provides direct function, jog/shuttle control, and control over thumbnails presentation on video monitor. The MV-SCS can be switched to remote control whereby the color correction system can control the MV-SCS directly.

### Scratch Removal Applications

The MV-SCS is also designed specifically for applications supporting scratch removal operations in HD film-to-video transfer facilities, providing the digital video I/O between the film chain and the scratch removing workstation. The MV-SCS offers a highly efficient system of connecting the film chain to any UNIX or NT host enabling real-time uncompressed HD video I/O, and providing real-time image play-out or frame-by-frame transfer to VTR after scratch removal procedure.

### RAM, JAZ, and Hard Drive Storage

The MV-SCS includes a JAZ removable disk drive with a capacity of 2 GB per disk, and an 18 GB hard disk drive for near-line storage of HD frames. A 2 GB JAZ disk can hold over 400 frames.

### MV-SCS Operator Console

The operator console is a desktop controller box with a 4-line display, a numeric keypad, dedicated control buttons, and a wheel; it is connected to the MV-SCS through the RS-422 slave port. The MV-SCS will capture frames on the fly or while still by hitting capture key. The capture of HD frames will not effect the EE-Live input-to-output function of the MV-SCS in real-time.

### Thumbnails Generation & Presentation

The MV-SCS' analog monitor output is switchable between full size HD image presentation and presentation of up to 64 thumbnails. The thumbnail windows are filled when new stills are captured. The thumbnails may also be loaded by operator selection, using the wheel or the keypad to locate specific still frames.

### Wiping/Toggling Between Two Images

The wipe/toggle function is available at any time, with the operator selecting a stored HD still (from RAM) to be compared with the live—or the still—HD frame present on the input or another stored still. The 9 wipe modes and the toggle mode are controlled by the wheel of the operator console, giving the operator full control over wipe and toggle speed.

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