

An abstract graphic of white, wispy smoke or mist that flows horizontally across the lower half of the page. The smoke is composed of multiple overlapping, semi-transparent layers, creating a sense of depth and movement. The word "MIST" is superimposed on the center of this graphic.

MIST

# M I S T IS THE FLEXIBLE SOLUTION FOR DAILIES CREATION, REVIEW AND MANAGEMENT

## MIX MATERIAL FOR FASTER INTEGRATION

M I S T allows you to mix various formats and frame rates in the same timeline, and render your composition for output to tape, files, or other finishing workstations.

## PRE-GRADE AND EXPLORE POSSIBILITIES

As a virtual telecine, M I S T can create scene-by-scene or Best Light transfers, using its wide array of primary grading tools. The Grade Library offers useful features for storing and recalling grades, with access to every existing projects.

## BRAND YOUR MATERIAL

M I S T burn-in feature is available for TimeCode and EdgeCode information, and also for any existing or custom Metadata, ideal for further editorial applications.

## CONTROL, REVIEW, PRESENT

M I S T reads natively any type of file, without previous transcoding, as well as tapes, allowing a smooth and immediate control of your dailies, whatever their source is. You are able to review and approve your material at all industry standards, thanks to the support of SDI and DVI outputs. Blanking tools available in M I S T brings to dailies presentations a final content feel, with the correct aspect ratio displayed.

## ON-SET DAILIES

M I S T is available as a specific turn-key version for on-set and near-set dailies review and storage. With extended ingest capabilities and disk capacity M I S T offers an answer to any "from on-set to post-house" continuity challenge.

## STEREOSCOPIC DAILIES SILKY PROCESS

Together with playing back stereoscopic dailies in real-time the Pan, Scan and Mirroring functionalities allow a maximum of flexibility whatever the camera rig configuration you might use. Primary Grading can be applied either on the Left, Right or both images, and can be easily compared (per eye, dissolved, etc), memorized and recalled.

## BE CONFIDENT WITH YOUR IMAGE

M I S T provides you with a set of advanced color analyzing tools such as Vectorscope, Histogram, Waveform, Color Pickers, with extended settings for the color accuracy controls. You are able to verify, before the post-production process starts, if your color range is optimal for your needs.

## NATIVE PLAY-BACK OF HIGH-RES CAMERAS RAW DATA

M I S T allows real time transcoding of digital cameras RAW data (RED, ARRI Alexa and D21, Canon 5D with EXIF metadata support, etc.) for playback on SDI or convert on the fly to another file format such as QT, DPX, TIFF, etc.

## VERSATILE MODES FOR VARIED SOURCES

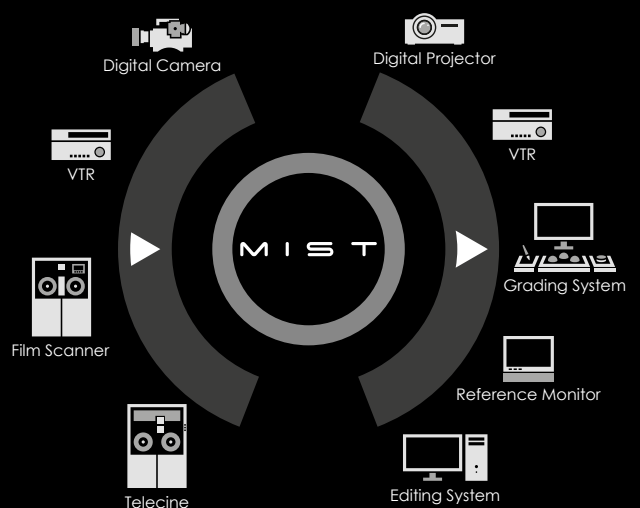
M I S T can act as both MASTER or SLAVE via the RS422 protocol, to either control or be controlled by another device. As a bridge between the tape world and data world, M I S T can record or play-back material just like a regular VTR.

## MANAGE MULTIPLE OUTPUTS SIMULTANEOUSLY

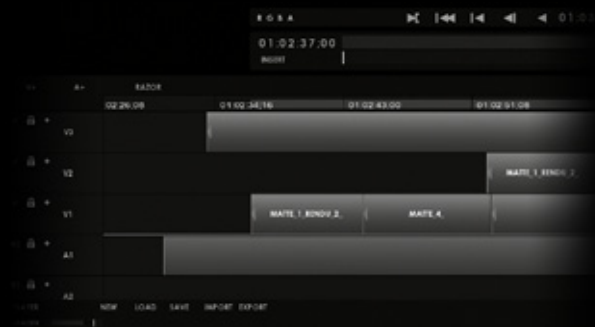
M I S T can batch render your dailies in multiple data formats at the same time (DPX, QuickTime or MXF files, etc).

## A SYNERGETIC EXPERIENCE THROUGH IMAGE AND SOUND

M I S T supports the reference audio from digital cameras, as well as Audio Tracks on the timeline. A VU meter is available for the monitoring of 24-bit SDI embedded audio, 16 channels, 48kHz.



# M I S T IS THE PERFECT SOLUTION TO EASILY CONFORM ANY KIND OF PROJECTS



## ADAPTED TO YOUR SPECIFIC PROJECT NEEDS

The tools available in M I S T allow to automatically, semi-automatically or manually conform the projects. Each specific conforming situation has a dedicated solution.

## EVERY FORMAT, EVERY SOURCE

M I S T supports a multitude of source types, ranging from tape to scanners to digital cameras. Conforming is done easily, with precise tools, personalized for every contingency, no matter the file format.

## TIME CODE, KEY CODE, METADATA MANAGEMENT

With an accurate management of both time codes and key codes and the decoding of the existing metadata, M I S T is able to conform from compositions in XML (from Final Cut Pro) to AAF and OMF formats.

## EDL CMX 3600 CHALLENGE OVERCOME

The EDL CMX3600 support is easily performed thanks to specific renaming tools and list manipulation capabilities, allowing the creation of a composition that can be normally conformed.

## YOUR ARTISTIC DECISIONS PRESERVED

M I S T recreates transitions and dissolves in respect with editorial decisions.

## FLEXIBILITY ALL ALONG THE WORKFLOW

M I S T is able to read and write ALE and other log files, allowing editorial modifications and information exchange between solutions at any time all along the workflow.

## CONFIGURATIONS

- **M I S T I/O** is a turn-key solution available in **WORKSTATION** or **MOBILE** versions to perfectly meet your needs. It is designed to be easily upgraded in terms of processing power or storage, and it supports optional RED Rocket or JPG2000 acceleration boards.

**M I S T I/O WORKSTATION** is the perfect solution to be deployed in a post-production or digital lab. It includes high-end GPU processing, 2K video i/o, SDI output and internal disk storage capacity for buffering purposes.

**M I S T I/O MOBILE** is specifically designed for On-Set, Near-Set needs and adds direct unload possibilities for Compact Flash, USB2/3 or FireWire devices capabilities and a maximized internal disk capacity.

- **M I S T PRIME** is a software solution that can be installed on a certified system, adjusted to your facility workflow, allowing both budget and features scalability.



# MIST FEATURES

## DAILIES CREATION & COLOR MANAGEMENT

- Project management and Project Library
- Real Time playback and RAM playback
  - 3D-LUT management (display & GVO)
  - SDI output
- Scopes & color picker for color analysis
- Original TimeCode, EdgeCode, and FPS information display
  - TimeCode, EdgeCode and custom metadata burn in
  - Blanking tools for aspect ratio output
- Advanced Editing Tools (Trim, Slip, Slide, Razor etc.)
- Per clip zoom and pan & scan (flip, mirror, angle etc.)
- Per clip primary color correction in real time (YRGB, Curves, HSL, Printer Lights etc.)
- Grade Library for grade storing and recalling
- Real Time versions and shot comparisons (dissolves & wipes)
  - Animation and Key framing per object (primary grading, Pan&Scan, Red parameters)
  - Support of dual link and single link Stereoscopy
- Stereoscopy Management (convergence, per eye color grading etc.)
  - Render in several formats at the same time
  - Faster than RT multiple versions creation

## CONFORMING

- Support for any resolution from SD to 4K
  - Automatic Data conform capabilities
- Multi format and multi resolution timeline
- Unlimited video and audio layers compositions
- Support of composition formats (EDL, FCP XML, AAF\*)
  - Support of Transitions and effects
  - Layer opacity & blending modes
  - Export of EDL and ALE log formats
    - Automatic Scene Detection

## I/O FEATURES & FILE SUPPORT

- Support for Tangent Devices CP100, CP200 and Wave
  - Video Capture (batch, crash) and Record
- Video format conversion (automatic up/down scaling)
  - Slave mode (RS422 protocol)
  - Master mode (RS422 protocol)
  - 3:2 pull-down management
- Support of multiple RedRockets
  - Audio sync capabilities
  - VU Meter
- Audio support of WAV, AIFF and QT
  - Native play back of DPX, TIFF, TARGA, BMP, PNG etc.
- Native play back of ARRI RAW, RED R3D, SI, Phantom, Cineon
  - Native play back of QT codecs, ProRes, DNxHD, MXF \*, AVI, DV-25, Open EXR, SGI, MPG2, MPG4
  - Render to DPX, TIFF, TARGA, QuickTime codecs
- Render in MXF for Avid DNxHD, IMX & MPEG2, IMX & MPEG2HD, DVCPRO (DV50) & DVCPROHD (DV100), AVC Intra \*
  - AAF support \*

\*optional

## VIDEOMODES

720 x 486i	59.94Hz
720 x 576i	50.00Hz
1280 x 720p	23.98/24/25/29.97/30/50/59.94/60
1920 x 1035i	59.94/60
1920 x 1080p	23.98/24/25/29.97/30/47.96/48/50/59.94/60
1920 x 1080psf	23.98/24/25/29.97/30
1920 x 1080i	47.96/48/50/59.94/60
2048 x 1080p	23.98/24/25/29.97/30/47.96/48/50/59.94/60
2048 x 1080i	47.96/48/50/59.94/60
2048 x 1556psf	14.98/15/18.98/19
2048 x 1556psf	14.98/15
2048 x 1080p	23.98/24

## OUTPUT

- ▶ 24bits 48KHz sampling
- ▶ 16 channels SDI(A/B)

## VIDEO I/O

- ▶ 10/12bit input
- ▶ 3G-SDI capable
- ▶ 2K/HD/SD 4:4:4(RGB/YCrCb)
- ▶ HD/SD 4:2:2 Video(YCrCb)
- ▶ HSDL
- ▶ RGB 4:4:4
- ▶ YCrCb 4:2:2 or 4:4:4

## AUDIO I/O

### INPUT

- ▶ 24bits 48KHz sampling
- ▶ 16 channels SDI(A/B)
- ▶ 8 channels AES/EBU

## HARDWARE SPECS

	MIST I/O WORSTATION	MIST I/O MOBILE
4U 19" rackable high-end chassis	✓	✓
Dual Six-core 3.33 GHz Processors	✓	✓
16 GB RAM	✓	✓
High-Performance GPU processing with SDI Output	✓	✓
Video I/O 2K dual link	✓	✓
Internal Disk Capacity 7 TB RAID 5 protected	✓	✗
Internal Disk Capacity 14 TB RAID 5 protected	✗	✓
RS-232/422 4 ports	✓	✓
Multiple RedRocket support	✓	✓
USB3.0, FireWire, and Compact Flash cards internal reader	✗	✓
Fiber Channel SAN connection (option)	✓	✓
Additional Local Attached Storage Controller (option)	✓	✓