Revival™ Data Sheet

Basic Features

- Automatic Features:
  - ~ Dirt & dust removal
  - ~ Grain reduction
  - ~ Aperture correction
  - ~ Vertical scratch repair
  - ~ Splice damage repair
  - ~ Region of Interest (ROI) processing
  - ~ Automatic batch processing
- Interactive Features:
  - ~ ROI dirt & dust correction
  - ~ Reveal, Channel, Luminance, Clone, and Paint Brush
  - ~ Splice and frame reconstruction tools
  - ~ Vertical scratch repair
- Scene Detection
- 3:2 Cadence Extraction and Addition
- Revival Standalone SGI® and Intel®
  - ~ Import/Export functions supporting DPX, YUV, RGB, SGI, Cineon, and Targa file types
  - ~ VTR control and video I/O with optional video I/O card
  - ~ Optional video I/O supports popular SD and HD video formats
- Edit Decision List (EDL) import and export for scene detection, batch generation and QC
- Resolution independent up to 4K image data
- 8/10 bit depth for Revival Standalone SGI and Intel platforms
- 8/10/12 bit depth for Revival for Discreet™ platforms

Optional Features

- Automated processing up to 16 CPUs
- deFlicker™
- deWarp™
- Automatic and interactive image stabilization/jitter correction
- Open file system
  - ~ ADIC and SGI CXFS compatible
  - ~ Directly read and process SMPTE DPX files on a mounted file system
    - ~ Processing and access speed is hardware infrastructure dependent
  - ~ Does not require local storage
- Color Restoration Module
  - ~ Auto lift, gamma, and gain balance controls
  - ~ Gain controls maintain balance as adjusted
  - ~ Saturation control
  - ~ Custom Curves™
  - ~ Visual Scene Representation (VSR)™
  - ~ Two secondary isolation color controls
  - ~ PowerWindow™

Hardware Intel Platform

- Dual Xeon Intel PC
- Linux Operating System
- 2GB DDR Ram
- IDE Hard Drive
- 1920x1440 SVGA Monitor
- Floppy Disk Drive
- CDRW
- 6x8 Pen and Tablet
- Keyboard and Mouse
- Gigabit Ethernet Port
- PCI SCSI Interface

Optional Hardware Intel Platform

- Video I/O and VTR Interface
  - ~ 3 Interface Options
    - ~ SD 422 Single Link YUV Video I/O, 8/10 bit
    - ~ SD/HD 422 Single Link YUV Video I/O, 8/10 bit
    - ~ SD/HD 444 Dual Link RGB Video I/O, 8/10 bit
  - ~ Video Standards
    - ~ SD 525, 625
    - ~ HD 1080Psf (23.98, 24, 25fps), 1080i (25,29.97,30fps)
  - ~ RS-422 (9 Pin) style Sony protocol VTR interface
- Fibre Channel PCI card 2 port or 4 port

Storage Options for Intel Platform

- SCSI JBOD, 1 or 2 Terabyte configurations for HD/Data
- SCSI RAID, 1 or 2 Terabyte configurations for SD/Data
- Fibre Channel, 1 or 2 Terabyte JBOD or RAID for Data

Minimum Hardware for SGI Platform

- Octane2, Onyx2, and Tezro Platforms
- 1GB (SD) to 2.5GB (HD and Data) RAM
- V12 Graphics
- DM2/DM3 Video I/O with VBOB Interface
- Supports Wacom Intuos® Pen and Tablet

Storage Options for SGI Standalone Platform

- Fibre Channel RAID, 1 or 2 Terabyte configurations for Single Link SD/HD/Data

Minimum Hardware and Software for Discreet and SGI Platform

- Octane2, Onyx2, and Tezro Platforms
- SGI IRIX 6.5.17 or greater
- 1GB (SD) to 2.5GB (HD and Data) RAM
- V12 Graphics
- Stone® file system
- DLtools minimum version 8.3
- Supports 8, 10, and 12 bit images on stones
- All I/O is handled using Discreet products

PowerHouse™ Features

- Dual Xeon Intel processors in single 1RU PC
- Rack Mount system
- 3 GB RAM
- Linux Operating System
- Supports Revival and Revival for Discreet platforms
- Resolution independent up to 4K
- Scalable configuration from 4 to 16 processors

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