

DIAMANT-Video Suite (coming in November 2017)

The DIAMANT-Video Suite is based on our experience from the DIAMANT-Film Restoration Suite, which is successfully being used for more than 15 years in professional film restoration facilities.

The new DIAMANT-Video Suite is a new and dedicated product which focuses on the demands and typical defects appearing in analogue and digital video restoration.

I. Transcoding failures correction

- Broken pulldown cadence detection and correction
- Intermixed field dominance correction
- Intermixed video mode correction
- Compositing cadence errors correction

II. Standards & frame rate conversions

- Format and standards conversion (NTSC, PAL, 525, 625, HD, 2K, 4K)
 - Framerate conversion
 - High level image scaling
 - Image sharpening
 - Interlace aware up/down rescaling
- High quality de-interlacing
- Inverse telecine
- Telecine pattern insertion
- Blanking

III. Noise reduction

- Temporal noise reduction
- Spatial noise reduction
- OFX Plugin interface for external filters such as NeatVideo 4

IV. Dropout correction

- General dropouts
- Line dropouts
- Block dropouts (digital)
- DigiBeta dropouts (digital)

V. Automatic repair functions

- Repair filter
- Dust filter
- Dropout repair

VI. Stabilization

- Automatic image stabilization

VII. Brightness & Contrast correction

- Automatic contrast/color correction
- Primary color correction
- Correction of temporal light and color variations (DE-FLICKER)

VIII. Interactive restoration tools

- Clone
- Interpolate
- ExInpaint (Auto heal)
- HistoryBrush (Undo)

IX. Supported video and image formats

■ Video Containers

MOV, MXF, AVI, DV, MKV.

Supported Video Codecs

- MOV: ProRes (422, 422 HQ, 4444), dvcprohd, dvcpro50, xdcamhd422, DNxHD, v210)
- MXF: imx30, imx50, mpeg2, dvcam, dvcpro, dvcpro50, dvcprohd, xdcamhd422, DNxHD
- MPEG: mpeg1, mpeg2
- MP4: h264
- MKV: ffv1
- DV: dvcam, dvcpro, dvcpro50, dvcprohd
- AVI: mpeg1, mpeg2, mpeg2, wmv1, wmv2, dvcpro50, ffv1, ffvhuff, mjpeg
- ... and more on request

■ Image Formats

DPX, CIN, TIFF, EXR, JP2, PNG, JPG, TGA, BMP and many more on request.