

# SPARKLE

FILTER SOFTWARE

**TECHWAY**  
SIGNAL VISION SYSTEM

## Real-time video cleaner

### APPLICATIONS

- Nuclear video inspection
- Nuclear Power Plants maintenance
- Nuclear fueling and refueling outage operations
- High-temperature Kiln Inspection

### BENEFITS

- Real-time radiation noise removal on videos
- Provides clear images when near-field particulate degrades the image
- High-quality imaging



NUCLEAR



The SPARKLE software removes radiation-induced and white spot noise on visual-inspection videos.

The tool enhances the quality of the image that was previously degraded with white spots due to radiation damages on the camera sensor.

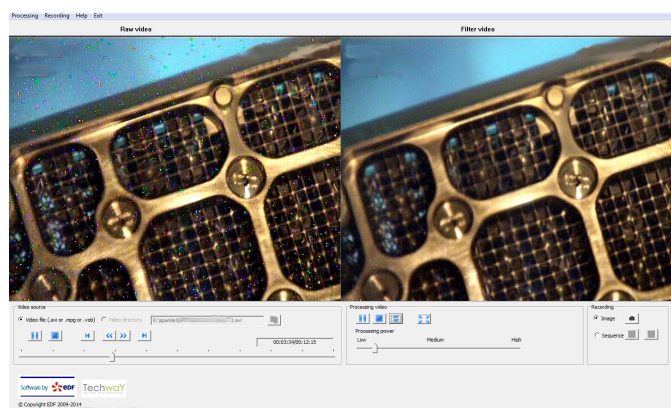
SPARKLE is a fully-integrated tool, with a user friendly interface and processes videos in real-time. The videos are available for filtration in various file formats.

SPARKLE is a complete analysis filter which includes tools such as mode of measurement, contrast enhancement and zoom functions. The measurement function allows, when the calibration is done, to measure the gap among nuclear assemblies or elements in a kiln.

The video player offers play, stop and decrease/increase playing speed functionalities as on a DVR. The user-friendly interface enables to record and/or replay video sequences for post-mission analysis.

The tool was developed in close cooperation with EDF R&D.

Intuitive SPARKLE Interface



Information and photos subject to change without notice

### • MULTI-FUNCTIONS SOFTWARE

- **Removal of video noise**
  - Video noise = White pixel
- **Measurement tool**
  - Calibration, Standard pattern
- **Contrast enhancement**
  - 2 types of contrast action
- **Black and White display**
- **Full screen or Zoom**
- **Remote display**
  - Filtered Video duplication
- **Slow motion**
- **Recording raw or processed videos**

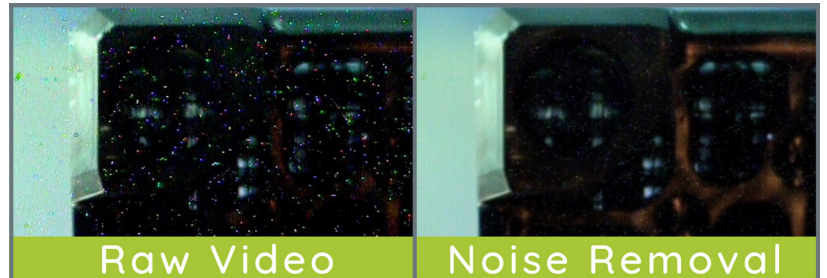
### • KEY FEATURES

- Ready-to-use software
- User-friendly interface
- Processing from video files
- Supports .avi, .mpeg, .mp4, .ts, .vob
- Can be used on laptop or PC
- Runs under Windows® 7 & 10
- Recording capabilities
- Annual update licence fee

### • ORDERING INFORMATION

- SPARKLE-1000** Sparkle Software
- SPARKLE-3000** Annual support contract for the software use

### VIDEO NOISE REMOVAL



### ZOOM



### MEASUREMENT TOOL

