

Product Data Sheet

Scream Plus

Real-Time 4K/2K/HD Grain Manager



Scream Plus is a 4K/2K/HD resolution-independent grain and noise management tool for the Spirit 4K/2K/HD telecines and scanners, which are part of the DFT DataCine® product family.

New Algorithm

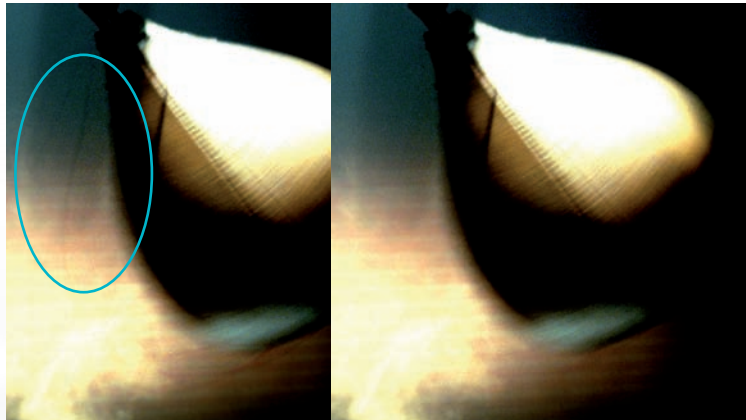
A brand new algorithm, developed by the DFT Digital Film Technology Spirit engineering team, integrates seamlessly into the Spirit family of real-time scanning products. The Scream Plus algorithm manages the fine and subtle structure of the film grain during the scanning stage.

Scream Plus uses twice the normal spatial temporal filtering, which improves motion processing. This avoids blur, even for fast and high speed motion scanning.



Stronger Noise Management without Temporal Artifacts

Grain intensive film stocks can be processed with increased resolution using the new Scream Plus. Scream Plus provides more latitude for the operator by emphasizing transversal filters and utilizing recursive filters at the very end of the RGB setting range.



LEFT: Motion lag is visible on the left hand side of the fast moving punching ball with medium grain reduction on 250T film stock.

RIGHT: No motion lag is visible with similar grain reduction settings using the new Scream Plus Grain Manager

Key Features

- Resolution-independent processing up to 4K
- Real-time 2K/HD processing
- Individual RGB processing
- New algorithm manages subtle film grain structure during scanning stage
- Advanced temporal and spatial filter technology - uses twice the normal spatial temporal filtering for improved motion processing
- Noise management without temporal artifacts
- Emphasizes transversal filters and utilizes recursive filters at the very end of the RGB setting range
- Split mode for comparison before and after processing
- Luminance-dependent filter control
- Chrominance-dependent filter control
- Integrates with Spirit 4K/2K/HD DataCine and Scanner – single plug-in board

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Real-Time Grain Manager

Ordering Information

Scream Plus Film Grain Manager		
41/21-GRAIN-O	000129760410	Option in a new Spirit 4K/2K/HD
41/21-GRAIN-U	000129760510	Upgrade for installed Spirit 4K/2K/HD w/o Grain Reducer
Scream Plus Upgrade for Spirit 4K/2K/HD Film Grain Reducer		
GRAINSP-U	000129760310	Upgrade for installed Spirit 4K/2K/HD with Grain Reducer

Test Scream Plus

If you are a Spirit 4K, Spirit 2K or Spirit HD user and you would like to use the new algorithms at your facility, please contact sales@dft-film.com to arrange a demo unit.

Technical Support Services & Training

The DFT Digital Film Technology Technical Support Services & Training team offers complete service solutions that enhance your return on DFT products and global system solutions.

Advanced training and proactive support reduce down time, and keep your equipment and staff performing at optimum productivity.

The pre-packaged suite of DFT Services provide support throughout the entire process:

- Commissioning support
- On-site repair and maintenance services
- Hotline 24 hours a day, 7 days a week
- Comprehensive software and hardware support
- Advanced exchange hardware support
- Hands-on training classes

The worldwide, experienced DFT Digital Film Technology Technical Support Services & Training experts can assist you with customized solutions.

For more information please contact your authorized DFT representative or visit us at www.dft-film.com

Headquarters



DFT Digital Film Technology Holding GmbH
 Rudolf-Diesel-Strasse 16
 64331 Weiterstadt
 Germany

Phone: +49 6150 9770 0
 Fax: +49 6150 9770 300
 Email: info@dft-film.com
www.dft-film.com

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