



dataMill

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Viable film scanning for the Digital Intermediate age

dataMill is a versatile film scanner, designed to meet the commercial requirements of post production as it moves towards a data or digital intermediate environment. It is the most viable, cost effective, digital intermediate scanning solution available today, providing high resolution, true 2K images at speeds of up to 15 frames per second, and true 4K images at speeds of up to 3.75 frames per second.

dataMill enables easy, cost effective and flexible scanning in a range of situations, making fully digitised post production a reality.

dataMill uses proven technology to produce an accurate data representation of your acquired film image. It provides accurate, automatic calibrated log or linear files.

dataMill is capable of scanning at various resolutions and in all formats – in fact it is the only commercial film scanner capable of handling film formats from Super 8 to 65/70mm.



Increased Productivity

dataMill enables users to keep abreast of the changes and challenges of the industry as it embraces a digital future. **dataMill** employs a flexible, future-proof architecture, which combines excellent image stability and image resolution into a highly productive and cost effective scanner.

Faster scanning – dataMill can scan images at 2K resolution at 15 frames per second, which is 15 times faster than its nearest competitor. Simply put, this means you will see a return on your investment 15 times faster!

Suitable for all environments – dataMill is modular in design, which makes it an extremely versatile option, that can grow with you as your needs change. Its modularity protects you from potential unseen demands from your market place. **dataMill** has been designed to fulfill the needs of the digital intermediate market, but it is equally at home in applications such as effects, commercials or restoration.

Multi-resolution and multi-format – dataMill can scan film at 2K, 3K and 4K data resolutions, and in all film formats from Super 8 to 65/70mm.



Film

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Ultimate image quality

Quality in film digitisation is not just about image resolution. Image stability, colour accuracy and repeatability are equally important.

High image quality – *dataMill* can obtain the best quality images from even the poorest quality of film. A simple light path and wide lens system captures diffused and refracted light – which in turn reduces the effects of dust and scratches.

The classic ‘look’ – *dataMill* uses an impressive RGB colour system, which enables it to reproduce the delicate colours and textures of film to provide images which capture the essence of the image.

Ease of Operation

dataMill was designed specifically as a simple, easy to operate scanning device, controlled by an integrated, user friendly and intuitive interface.

Automatic calibration – Calibrated log and linear files or outputs at the press of a button, including Cineon formatting.

Image preview – Real-time HD image preview to facilitate frame orientation and focus.

Intuitive operating software – enables easy image manipulation through preview modes and simple look-up table creation and management.

Additional Options

dataMill's functionality can be expanded to meet the changing demands of the post production business. Options available include:

- Calibrated HD 10 bit log output
- 8, 16, 70mm option
- Optical image manipulation
- Contour control

2K_{at}
15FPS

4K
Resolution

Auto
Calibrate

Scanner



General		
Dimensions	Approximate weight	Film transport chassis: 360 kg Electronics racks: 85 kg (total)
Power supply	Mains supply	
Power consumption	90-240 V ac Automatic switching 2.4 kVA	
Film Transport System		
Film format	8mm: 8mm, Super 8mm – single gate* 16mm: 16mm, Super 16mm – single gate* 35mm: 35mm, Super 35mm – single gate, 2, 3, 4, 8 perf 65/70mm – single gate* VISTA VISION*	
Film drive	Continuous motion servo, controlled to provide constant film tension (tension selectable)	
Film type	Negatives, intermediates, prints Colour, black and white	
Film gate	8mm: 8mm, Super 8mm* 16mm: 16mm, Super 16mm* 35mm: 35mm, Super 35mm, Pin registration option* 65/70mm* All include user-definable perf settings. Air gate system	
Film capacity	>2000ft, 15" – 18" diameter	
Film frame rate	2K data, up to 15 fps (True RGB full bandwidth) 3K and 4K data, up to 3.75 fps (True RGB full bandwidth)	
Film Imaging System		
Image scanning system	High resolution scanning cathode ray tube assembly	
Image detection system	4" diameter PMTs	
Dynamic range	0.0 to >3.3 Density range 1.0 14 bit RGB	
Image Functions		
Image control (Scan)	Fixed 4:3 aspect ratio scanning. Either – 2048 x 1556 RGB. 4096 x 3112 RGB Dynamic focus and astigmatism control X and Y scan geometry correction and control Default scans setting of sizing, position framing and geometry Image control (colour) Dedicated look-up tables Auto calibrated Cineon log file creation	
Outputs	HD preview – Analogue RGB or YUV for local WFM and picture monitoring to facilitate frame orientation, sizes and focus. 2 serial digital 10-bit linear (or user defined) log switchable outputs. HSDL.	
Optional Items		
Image control (Scan)	Output blanking for letterbox 6.1 zoom range X and Y pans 360° rotation Variable aspect ration 16:9, anamorphic	
Image control (colour)	RGB 14 bit colour processing YUV Aperture correction	
Outputs	High Definition 10 bit log Standard Definition 4:4:4	

* Please refer to sales agent for availability.

Cintel provides dedicated solutions for the post production and film industries. We have offices in the UK and USA, and a network of agents and distributors in over 30 countries world-wide.

All of our products are supported through a global service network which includes telephone hot-line support, system updates, technical support and field engineers.

Cintel's dataMill is part of a range of products designed specifically for the film scanning and image manipulation environment.

For more product information, or for an office near you, please contact:

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Specifications are subject to change without notice 010-0704