

The custom designed storage solution to meet the demands of professional digital photography

As the size of digital files increase, especially in medium format photography, professionals require a reliable, secure, and rugged solution to address their storage needs both on location and in the studio.

Originally designed for military use, HardFilm™ is a shock mounted hard drive system for the distribution and archiving of digital images. Most hard drives available today will lose data after being dropped only a few inches. HardFilm can be dropped over two feet onto concrete without loss of data. HardFilm delivers a reliable, rugged and secure solution that withstands shock of 5,000Gs!

Many photographers have already switched to a HardFilm workflow and archival storage – a much simpler solution – images are easier to find compared to CD or DVD. Entire jobs can be stored on HardFilm including raw and final files. With today's 22mp and 39mp digital backs, more space is required to house images safely. HardFilm is available and used worldwide, safely delivering data back to photographers, clients, and DF Studio™ from remote FedEx drops around the globe.

Most current interfaces are able for HardFilm: USB 2.0, Firewire and PC-MCIA. As interfaces change, new cables can be made available.

Pricing & Availability

HardFilm is available in sizes from 60 GB to 160 GB and speeds from 4200 to 7200-rpm. The enclosure is about the size of a PDA, and only weighs 8 oz. Prices range from \$139 to \$439 (USD) depending on capacity and speed. Drives are available with or without a Firewire cable. There is no need for a power supply, because HardFilm is powered by the Firewire bus (an optional power adapter is available).

It's All About Your Workflow

1. Shoot your job right onto **HardFilm**
2. Ship your job to a digital lab using **HardFilm**
3. Backup your job using **HardFilm**



Reliable - Engineered to store images while shooting and for your archives.

Rugged - Designed to meet the demands of on-set shooting, shipping, and travel.

Compact & Lightweight - About the size of a PDA, weighing less than 8 ounces.



Specifications & Pricing

HardFilm meets the demands of professional photographers both on the set and for long-term storage. Built upon military grade storage devices, HardFilm delivers a reliable, rugged and secure storage solution that withstands a 2 foot drop onto concrete and a shock of 5,000Gs! Weighing only 8 ounces and about the size of a PDA, HardFilm is ready for your next production.

Buy online today @ digitalfusion.net/hardfilm



AVAILABLE CONFIGURATIONS

Capacity (GB)	60 - 160 GB
Interface	IDE/ATA

PERFORMANCE

Data buffer (MB)	8
Rotational Speed (rpm)	4200/5400/7200*
Latency (average ms)	4.2
Max. media transfer rate (MB/sec)	76.5
Max. interface transfer rate (MB/sec)	100
Seek time (ms): Average: 10; Track to track: 1.0; Full stroke: 18	

*7200 RPM HardFilm is only available in 60, 80, 100 and 120 GB capacities.

DIMENSIONS

Height: 17mm; Width: 80mm; Depth: 130mm; Weight: 195 grams

ENVIRONMENT

Operating	
Ambient Temperature	5° to 55° C
Relative Humidity (non-condensing)	8% to 90%
Max Wet Bulb (non-condensing)	29.4°C
Altitude (meters)	-300 to 3,000
Shock (half sine wave)	200 Gs (2ms)
Vibration (Random (RMS))	0.67 Gs (5-500Hz)
Swept Sine	1.0 Gs (5-500Hz)
Non-Operating	
Ambient Temperature	-40° to 65° C
Relative Humidity (non-condensing)	8% - 90%
Max Wet Bulb (non-condensing)	5,000 Gs (0.5ms)
Altitude (meters)	-300 to 3,000
Shock (half sine wave)	5,000 Gs (0.5ms)
Vibration (Random (RMS))	3.0 Gs (5-500Hz)

ACOUSTICS

(A-Weighted Sound Power in Bels)

Typical	Operating: 2.4	Idle: 2.0
Maximum	Operating: 2.6	Idle: 2.3

PRICING*

HardFilm Kits (Portable Drive & FireWire Cable)

HardFilm 160 GB / 5400 RPM (Drive+Firewire Cable)	438.99
HardFilm 120 GB / 4200 RPM Kit (Drive+Firewire Cable)	388.99
HardFilm 100 GB / 4200 RPM Kit (Drive+Firewire Cable)	338.99
HardFilm 100 GB / 7200 RPM Kit (Drive+Firewire Cable)	438.99
HardFilm 80 GB / 4200 RPM Kit (Drive+Firewire Cable)	298.99
HardFilm 80 GB / 7200 RPM Kit (Drive+Firewire Cable)	368.99
HardFilm 60 GB / 4200 RPM Kit (Drive+Firewire Cable)	218.99
HardFilm 60 GB / 7200 RPM Kit (Drive+Firewire Cable)	288.99
HardFilm 40 GB / 4200 RPM Kit (Drive+Firewire Cable)	188.99
HardFilm 20 GB / 4200 RPM Kit (Drive+Firewire Cable)	168.99

HardFilm Drive Only (No Cable Included)

HardFilm 160 GB / 5400 RPM (Drive Only)	399.99
HardFilm 120 GB / 4200 RPM (Drive Only)	349.99
HardFilm 100 GB / 4200 RPM (Drive Only)	299.99
HardFilm 100 GB / 7200 RPM (Drive Only)	399.99
HardFilm 80 GB / 4200 RPM (Drive Only)	249.99
HardFilm 80 GB / 7200 RPM (Drive Only)	329.99
HardFilm 60 GB / 4200 RPM (Drive Only)	179.99
HardFilm 60 GB / 7200 RPM (Drive Only)	249.99
HardFilm 40 GB / 4200 RPM (Drive Only)	149.99
HardFilm 20 GB / 4200 RPM (Drive Only)	129.99

HardFilm Accessories

HardFilm FireWire 400 (IEEE 1394a) Interface Cable	39.99
HardFilm Power Adapter (AC to 5VDC)	14.99
HardFilm USB 2.0/1.1 Interface Cable Kit	24.99

* Pricing subject to change (revised 10/19/06). Please visit the HardFilm Web site for most current pricing and purchasing options: <http://digitalfusion.net/hardfilm>