



## FS-CF Pro

### Powerful, Flexible and Easy to Use

The FS-CF Pro ultra-reliable Compact Flash DTE recorder records a wide range of Canon HDV and DV formats and navigate quickly and easily using the intuitive menu structure.

### Perfect for Extreme Conditions

Trouble-free recordings in extreme shock and high altitudes. Record in temperatures up to 120 degrees F (50 degrees C)

### Silent Operation

Enjoy quiet operation made possible by a true solid state media recorder with no moving parts.

## Recording Modes

### HDV Recording Modes

- .m2t 720p 24/25/30/50/60
- .m2t 1080i 50/60/24f/25f/30f
- QuickTime 1080 50i/60i/25f/24f/30f
- QuickTime 720p 30
- MXF 1080i 50/60
- MXF 720p 30

### DV Recording Modes

- AVI Type 1
- AVI Type 2
- QuickTime
- MXF
- Canopus AVI
- Matrox AVI
- RawDV

## FS-CF Pro Portable Compact Flash DTE Recorder

The all new FS-CF Pro Portable Compact Flash DTE Recorder brings ultra-reliable solid state acquisition with Direct To Edit Technology to your Canon DV or HDV camcorder. The FS-CF Pro allows you to view thumbnails and playback proxy content, create and share MPEG4 proxy clips, assign clips to folders with custom names during recording using the REELS functionality, and much more. FS-CF Pro utilizes standard Type 1 removable Compact Flash media which provides fast, reliable, and low-cost recording.

### Solid State Acquisition to Editing in One Step

The Focus FS-CF Pro introduces a new element to DTE Recording. With the FS-CF Pro you can record directly to removable and inexpensive Compact Flash (CF) memory cards (sold separately). Connect the FS-CF Pro directly to your Canon DV or HDV camcorder using a single FireWire cable, allowing you to record to CF card only or to CF card and tape simultaneously.

By recording to solid state Compact Flash cards, the Focus FS-CF Pro can be used in extreme conditions including extreme shock and high altitude environments. With the FS-CF Pro, once a recording is completed the Compact Flash card can be removed from the unit and inserted into a memory card adapter for quick computer access or remain in the FS-CF Pro and mount to computer via USB. DTE Technology ensures that your footage is ready to edit instantly - no capturing, file transfer, or file conversion is required.

### View Thumbnails and Video Clips

With the FS-CF Pro, you can view thumbnails and video clips on its brilliant color display. Thumbnails can also be viewed on a web page when the FS-CF Pro is connected to a network. MPEG-4 proxy files can be generated and transferred to a host computer or a video-sharing web site, as well as distributed to portable media devices, making collaboration easy.

### Assign Custom Metadata on the Fly

With the FS-CF Pro, you can personalize and optimize workflow - while you shoot. With your wireless handheld device or laptop, you can access the FS-CF Pro through a browser, define metadata, and assign it to video while you are recording, eliminating the need to tag footage when the shoot is over. During postproduction, simply transfer clips - complete with metadata - from the FS-CF Pro to your NLE system or PX Media Server. All of the information that you assigned during the shoot goes with the clips, saving you hours or even days of logging time.

### Native QuickTime HDV and MXF HDV Support

With the FS-CF Pro, you can record 1080i 50/60 or 720p 30 clips as native QuickTime HDV. The FS-CF Pro extracts and decodes the audio from the incoming HDV stream, combines it with video stream, and wraps it as a QuickTime HDV file. When recording is complete, your QuickTime HDV file can be imported directly into Final Cut Pro - no capture or conversion is required.

### Industry Standard File Format Support

The Focus FS-CF Pro brings the most popular DTE file formats to solid state recording. When used with 25Mb/s HDV cameras. The FS-CF Pro supports QuickTime 1080i50/60 and 720p25/30 recording for Final Cut Pro use, MXF HDV support for Avid, and M2T 720p/1080i recording for use in a number of different applications from Adobe, Avid and Grass Valley (Canopus).

### Removable Compact Flash Slot

The FS-CF Pro features a CF card slot on its side for insertion of standard Type 1, UDMA, 30 MB/s minimum Compact Flash Cards (16GB min.). Compact Flash cards feature a fast interface and very high capacities (currently up to 64GB) at low cost. The FS-CF Pro also features a captive protective cover for the CF card slot to protect and secure your media. Buy as many CF cards as required.

CF CARD	16GB Card	32GB Card
DV	1.1 hours	2.2 hours
HDV 1080i	1.1 hours *	2.2 hours *
HDV 720p 30	1.3 hours*	2.6 hours*

\* About 20% less record time for QuickTime HDV

## Support

When you purchase video production solutions from Focus Enhancements, you not only receive reliable products that deliver superior performance every day, you also receive unconditional service and support from a team of seasoned video professionals. All products are backed by comprehensive warranties and optional support contracts that cover installation, training, 24/7 phone support, and priority parts replacement.

## Consultation

With extensive experience in designing, configuring, and integrating video production solutions for leading companies around the world, the Focus team can help you select the right products for your business. If you have special requirements, solution consultation and custom configuration services are available.

### Corporate Headquarters

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## Designed to Transform Workflow at the Recording Stage

Not only does the FS-CF Pro enable you to go straight from shooting to editing by recording video in the NLE-compatible file format of your choice, but it allows you to add custom metadata to footage while you are recording. With three simple steps, you can define metadata fields for your shoot, add metadata tags to footage while it is recording, and transfer edit-ready clips to your NLE system or PX Media Server, complete with camera generated and custom-defined metadata. This simple three-step process dramatically streamlines workflow and saves numerous hours typically spent reviewing, logging, and tagging footage after it is shot.



## Workflow with Industry Standard Removable Media

FS-CF Pro allows you to go straight from shooting to editing by recording video in the NLE-compatible file format of your choice. Enhancing workflow one step further, once a recording is complete, the FS-CF Pro allows you to remove the Compact Flash memory and mount it to your computer using a standard CF compatible memory card reader. By doing this, you are free to insert another CF card into your FS-CF Pro and continue shooting while your previous card is being used for editing or archive ingest. If a CF compatible memory card reader is not available, simply leave the CF card in the FS-CF Pro and mount the unit to a computer via USB2.0 using the available HDD mode.

## Technical Specifications

FS-CF PRO	SPECIFICATION
Display	2.5 inch (diagonal) color TFT display 320 x 240 pixel resolution
Input/Outputs	DV I/O: 25Mbps HDV I/O: MPEG-2 transport stream (19.8 or 25 Mbps) Computer I/F: USB 2.0 (up to 48- Mbps) (1 x USB-A female) Video I/O: 1 x 6-pin IEEE 1394 (FireWire/i.LINK) RS-232C control; 1 x 2.5mm minijack
Audio DV input	Embedded 2-channel (48 kHz, 16-bit) or 4-channel (32 kHz, 12-bit) NOTE: 4-channel (32 kHz, 12-bit) audio is supported only in DTE Technology with RawDV file format HDV input: Embedded MPEG-1 Audio Layer II
Video (DV)	25 Mbps; 8-bit 4:1:1 (NTSC-DV) or 4:2:0 (PAL-DV) (model dependent)
Video (HDV)	MPEG-2 (MP@H-14), 4:2:0, 720p (8-bit, 19.7 Mbps) or 1080i (8-bit, 25Mbps)
Timecode	DV embedded timecode (drop or nondrop)
DTE Formats (SD)	AVI type 1, AVI Type 2, Canopus AVI, Matrox AVI, MXF, QuickTime, RawDV
DTE Formats (HD)	m2t HDV (720p 24/25/30/50/60, 1080 50i/60i/24F/25F/30F) QuickTime ((720p 30, 1080 50i/60i/24F/25F/30F) MXF HDV (720p30, 1080 50i/60i)
Record Media	Removable Type 1, UDMA Compact Flash Card (Min. 30 MB/s) NOT INCLUDED please check our list of qualified CF cards
Disk Format	UDF (Universal Disk Format) or FAT32 (user selectable)
OS Compatibility	Windows XP, Vista, Windows 7, MAC OS X
Power Adapter	11 - 18V DC; minijack power connector
Battery	Custom removable Li-ion rechargeable battery
Battery Capacity	Standard capacity battery (180 minutes)
Dimensions	2.75" wide x 5.4" high x 1.25" deep (70mm x 137mm x 23mm)
Weight	12 oz. (0.34 kg)
Models	NTSC or PAL models available
Warranty	1 year
Accessories Included	Li-ion battery (180 min.); 4-to-6 pin FireWire cable; USB A-to-A cable
Optional Accessories	Li-ion battery (180 min.); 6-to-6 pin FireWire cable, ; camera handle mount