

FireStore FS-4 and FS-4 Pro

Portable DTE Recorder

DIRECT TO EDIT™

PORTABLE
LIGHTWEIGHT
COMPACT



FireStore™
Model: FS-4
FS-4 Pro

The ultimate FireStore for hand-held camcorders is here . . . FireStore FS-4.

Now everybody can take advantage of tapeless acquisition with true Direct To Edit™ (DTE) Technology and confidence recording using the smallest FireStore ever!

CAPTURING IS A THING OF THE PAST!

Tapeless acquisition is quickly being accepted as the standard in broadcast production. Now everyone can make capturing a thing of the past with FS-4 or FS-4 Pro. Record directly from your camcorder while you shoot using Direct To Edit (DTE) Technology. When you are finished shooting, connect FS-4 to your computer and you are instantly ready to edit in the timeline! No capturing, no file transfer, no file conversion. Just shoot, then edit!

TRUE DTE TECHNOLOGY

No matter which DV NLE system you have, FireStore FS-4 has you covered. On FS-4, files are recorded to disk as RawDV, AVI Type 1, AVI Type 2, AVI Type 2 24p, Matrox AVI, Canopus AVI, QuickTime or QuickTime 24p. The FS-4 Pro model also includes MXF, Pinnacle AVI and Avid DV-OMF format support.

INTRODUCING FIRESTORE FS-4 AND FS-4 PRO, THE FIRST DV DISK RECORDERS WITH DIRECT TO EDIT (DTE) TECHNOLOGY DESIGNED FOR HAND-HELD CAMCORDERS. ONLY FS-4 COMBINES A SMALL, RUGGED AND SHOCK PROOF DESIGN WITH FULL DTE TECHNOLOGY PERFORMANCE.



FAST AND EFFICIENT EDITING

Once you have finished shooting, FS-4 and FS-4 Pro are mounted to your Mac or PC editing system like a normal FireWire hard disk drive. Transfer clips to your NLE's media drive at up to 400 Mb/s or edit instantly in real-time using FS-4 as your media source.

CONFIDENCE RECORDING

Simultaneously record to disk and tape using FireStore FS-4. FS-4 is immune to tape drop-outs providing you with a clean edit source and an archive on tape.

COMPACT, LIGHTWEIGHT AND RUGGED DESIGN

FireStore FS-4 is a lightweight, weighing less than one pound including the battery and it is only 1.5" thick! Mount directly to your camcorder using the optional hot shoe adapter, or clip FS-4 directly to your belt. The product's attractive packaging is made to withstand the rigors of field shooting. The ten second electronic anti-shock cache ensures your video is always recorded while the six second retro cache means you'll never miss a shot!

FLEXIBLE CAPACITIES AND POWER

Spinning at 5400 RPM with an 8 MB cache so you'll never drop a frame, FS-4 comes with a 40GB (3 hours) hard drive while FS-4 Pro is available with either 40GB or 80GB (6 hour) capacities. Both FS-4 models also feature slim removable battery packs or can be optionally powered via a wall outlet.

EASY TO USE, CONTROL AND UPDATE

FS-4 interfaces with your camcorder using a single FireWire cable that passes audio, video, timecode and control information. When a tape is present, each press of start and stop on your camcorder's record button will create an individual clip on disk. FS-4 features a comprehensive backlit display, menu system and buttons allowing easy control and management. Additionally, whether you are using FS-4 or FS-4 Pro, be safe with the knowledge your system is upgradeable in the field.

FS-4PRO FEATURES

FS-4 Pro additionally adds MXF, Avid OMF and Pinnacle AVI support. FS-4 Pro also adds retro-record modes including a ten second retro cache so you'll never miss a shot, scene marking which allows clips to be categorized into pre-named folders on disk while you shoot, user definable time lapse and loop playback modes.

FOCUS
enhancements

PRODUCT DESCRIPTION

FS-4 and FS-4 Pro are portable DTE disk recorders for use with hand-held DV camcorders. Both FS-4 models feature an internal disk drive, portable enclosure and a host of record, playback and control features.

APPLICATION

- ▼ Wedding and Event
- ▼ Portable Field Production
- ▼ Independent Film
- ▼ Corporate and Industrial Production
- ▼ Education and Training
- ▼ Sports Analysis

FEATURES

	FS-4	FS-4PRO
▼ DTE Supported Formats (RawDV, AVI Type 1, AVI Type 2, Matrox AVI, Canopus AVI, QuickTime, AVI Type 2 24p, QuickTime 24p)	✓	✓
▼ Additional DTE Formats (MXF, Pinnacle AVI, Avid DV OMF)	X	✓
▼ Removable Li-Ion Rechargeable Battery	✓	✓
▼ Comprehensive Backlit LCD Display	✓	✓
▼ Dedicated VTR Play/Record and Mode Buttons	✓	✓
▼ Records embedded DV Source Timecode	✓	✓
▼ FireWire AV/C Control	✓	✓
▼ 10 Second Electronic Recording Shock Buffer	✓	✓
▼ Full Disk Partition and Format	✓	✓
▼ Flash Upgradable System Software	✓	✓
▼ Intelligent Power Management System	✓	✓
▼ Daisy Chain Multiple FS-4s for Long Recordings	X	✓
▼ User Definable Time Lapse	X	✓
▼ Six Second Retro Cache	✓	✓
▼ Ten Second Retro Cache (Adjustable)	X	✓
▼ Retro Disk	X	✓
▼ Loop Playback Capabilities	X	✓
▼ Scene Marking	X	✓
▼ 3 Hour Recording Time (40GB)	✓	✓
▼ 6 Hour Recording Time (80GB)	X	✓
▼ AC Adapter	✓	✓
▼ Optional Cradle with Tripod Mount	✓	✓

SPECIFICATIONS

Input/Outputs:

DV Video I/O - 25Mb/s (1x 6-pin IEEE-1394)
 FireWire Computer I/F - up to 400Mb/s (1 x 6-pin IEEE-1394)
 GPI & RS-232C Control (1 x 3.5mm mini jack)

Power:

15V DC, 0.7A
 Mini-jack power connector
 Custom Removable Li-ion Rechargeable Battery Pack (90 minutes estimated run-time)

Physical Specification: (with Battery)

Dimensions: 1.59" x 5.6" x 3.74" (40 mm x 142 mm x 95 mm)
 Weight: less than 0.87 lbs (0.4 kg)

Audio/Video/Timecode Specification:

25Mb/s, 8-bit 4:1:1 (NTSC-DV) or 4:2:0 (PAL-DV) video (model dependent)
 DV Embedded Timecode (Drop or Non-Drop)
 Embedded 2-ch (16-bit, 48kHz) or 4-ch (12-bit, 32kHz) Audio

DTE File Formats:

RawDV, AVI Type 1, AVI Type 2, Matrox AVI, Canopus AVI, QuickTime, AVI Type 2 24p, QuickTime 24p
 FS-4 Pro Only: MXF, Pinnacle AVI, AVID DV OMF

Disk Information:

Internal Disk Type: 40GB (or 80GB - FS-4PRO only), 5400 RPM, 8 MB cache
 Disk Format: FAT32
 FS-4 compatible with Windows 98SE, ME, 2000, XP and Mac OS9 & 10.

Compliance and Warranty:

CE, C-Tick and FCC
 1 Year (FS-4 Pro - 2 Year)

Temperature:

Operating: 0° - 40°C (32° - 104°F)
 Operating humidity: 30% - 90% RH
 Storage: -20° - 60°C (-40° - 140°F)
 Storage humidity: 85% RH or less

Shock Vibration:

Operating: 50 cm
 Non-operating: 100 cm
 50 Hz - 60 Hz 1 G constant

Compatible Camcorders:

Canon XL1/XL1s, GL2, XL2
 Sony DSR-PD150/-170, DSR-PD100, DCR-VX2000/VX2100
 JVC GY-DV300
 Panasonic AG-DVX100A/-100, AG-DVC30, AG-DVC7
 Any DV25 Capable Deck or Camcorder with FireWire I/O

Optional Accessories

Additional Custom Removable Li-ion Rechargeable Battery Pack (90 minutes estimated run-time)
 Wired Remote Control Unit
 Camera Mount Kit



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