



FS-100

Camera Compatibility

Panasonic

Native Frame-Rate Recording

The FS-100 enables you to record DVCPRO HD at 720p 24/25/30 in P2 or QuickTime file formats at native frame rates. Only the required frames are recorded. This feature not only eliminates the need to remove pulldown or duplicate frames during ingest, but also enables you to record twice as much DVCPRO HD video to disk. The FS-100 also supports variable frame rate (VFR) recording for spectacular slow-motion and fast-motion effects. VFR files are imported directly into your NLE system's timeline—no conversion is required.

Applications

- Athletics
- Broadcasting
- Corporate and Industrial Production
- Education and Training
- Events and Entertainment
- Government
- Healthcare
- Independent Film
- Security and Surveillance
- Video Production
- Weddings and Events
- Worship

Weighing less than one pound and only 1.5 inches thick, the Focus FS-100 Portable DTE Recorder brings Direct To Edit® recording technology to your Panasonic AG-HVX200 P2 camera. Whether it's mounted directly to your camcorder or clipped to your belt, the FS-100 is designed to excel in the field.

Focus FS-100 Portable DTE Recorder

Featuring a comprehensive backlit display, an easy-to-use menu system, a 100GB or 160GB hard drive, and a removable, rechargeable battery, the Focus FS-100 is the perfect DTE companion for the Panasonic AG-HVX200 camcorder. Audio, video, timecode, and control information is passed through a single FireWire cable, allowing you to record to disk and P2 card simultaneously. Designed for use in even the roughest conditions, the FS-100 includes a six- or ten-second electronic shock cache to ensure that you never lose footage. Advanced features such as time lapse, retro disk recording, scene marking, and clip categorization make the FS-100 Portable DTE Recorder the perfect companion for handheld shoots. When recording is complete, your footage is ready to edit instantly—no capturing, file transfer, or file conversion is required.

MODEL	FS-100 (100GB)	FS-100 (160GB)
Recording Time		
DV	6.7 hours	10.4 hours
DV/DVCPRO®	6.7 hours	10.4 hours
DVCPRO 50	3.3 hours	5.2 hours
DVCPRO HD®	1.7 hours	2.6 hours
DVCPRO HD 720p 24N (Native and VFR) NEW	4.2 hours	6.5 hours
DVCPRO HD 720p 25N/30N (Native and VFR) NEW	3.3 hours	5.2 hours
DVCPRO HD Recording Mode		
P2 MXF	•	•
P2 MXF PN	•	•
QuickTime; QuickTime Reference NEW	•	•
QuickTime 720p 24N/25N/30N (Native)*; QuickTime PN Reference NEW	•	•
DVCPRO 50 Recording Mode		
QuickTime	•	•
P2 MXF	•	•
DV/DVCPRO Recording Mode		
AVI Type 1, Type 2, and Type 2 24p	•	•
Avid OMF	•	•
Canopus AVI	•	•
Matrox AVI	•	•
MXF	•	•
Pinnacle AVI	•	•
QuickTime	•	•
QuickTime 24p	•	•
RawDV	•	•

* Model dependent. 60Hz model: 720p 24N/30N; 50Hz model: 720p 25N

The Direct To Edit Advantage

With the FS-100 Portable DTE Recorder, you'll go from acquisition to editing with unparalleled speed, efficiency, and reliability. By combining DTE Technology® with advanced caching and redundant P2 card and disk, the FS-100 ensures that you never miss an important shot or lose critical footage. And best of all, your footage is ready to edit instantly.

NLE System Compatibility

Because the FS-100 is capable of recording video in a wide range of formats, it's compatible with a large number of nonlinear editing systems. For example, you can record DVCPRO 50 or DVCPRO HD in native QuickTime mode and import clips directly into Final Cut Pro. To review the complete list of DTE-compatible NLE software, please visit www.focusinfo.com.

QuickTime Reference Movies NEW

FS-100 supports QuickTime reference movies, which allow multiple clips—whether they're five minutes long or one hour long—to appear as a single QuickTime movie. When you import a QuickTime reference movie into Final Cut Pro, the clips it references appear as a single QuickTime file, eliminating multiple clips and enhancing your workflow.

Technical Specifications

MODEL		FS-100
Input/Outputs		DV video I/O: 25, 50, or 100 Mb/s (1 x 6-pin IEEE-1394); FireWire computer I/F—up to 400 Mb/s (1 x 6-pin IEEE-1394); GPI and RS-232C control (1 x 3.5mm minijack)
Audio		DVCPRO HD input: Embedded 4-channel (48 kHz, 16-bit); DVCPRO 50 input: Embedded 4-channel (48 kHz, 16-bit); DV input: Embedded 2-channel (48 kHz, 16-bit) or 4-channel (32 kHz, 12-bit); Note: 4-channel (12-bit, 32 kHz) audio is supported only in DTE Technology with RawDV file format
Video	DVCPRO HD	4:2:2, 8-bit, 6.7:1 compression, 100 Mb/s 60Hz models: 1080 60i 24p/24pA/30p; 720 60i 24p/30p; 720 24PN/30PN (PN mode also allows VFR support) 50Hz models: 1080 50i 25p; 720p 25; 720 25PN (PN mode also allows VFR support)
	DVCPRO 50	4:2:2, 8-bit, 3.3:1 compression, 50 Mb/s 60Hz models: 480 60i 24p/24pA/30p 50Hz models: 576 50i 25p
	DV/DVCPRO	4:1:1 (4:2:0 for DV-PAL), 8-bit, 5:1 compression, 25 Mb/s 60Hz models: 480 60i 24p/24pA/30p 50Hz models: 576 50i 25p
Timecode		DV embedded timecode (drop or nondrop)
DTE Formats	DVCPRO HD	P2 MXF, P2 MXF PN, QuickTime, QuickTime PN, QuickTime Reference
	DVCPRO 50	P2 MXF, QuickTime, QuickTime Reference
	DV/DVCPRO	RawDV, AVI Type 1, AVI Type 2, AVI Type 2 24p, Matrox AVI, Canopus AVI, QuickTime, QuickTime 24p, QuickTime Reference, Avid OMF, Pin-nacle AVI, P2 MXF
Disk		100GB, 160GB
Disk Speed		5400 RPM; 8MB cache
Disk Format		FAT32
OS Compatibility		Windows 98SE, ME, 2000, XP; Mac OS 9, Mac OS X
Power Adapter		15V DC, 0.7A; minijack power connector
Battery		Custom removable Li-ion rechargeable battery
Battery Capacity		High-capacity battery (180 minutes) (included)
Dimensions		1.59" x 5.6" x 3.74" (40mm x 142mm x 95mm)
Weight		1.0 lb. (0.45 kg)
Compliance		CE, C-Tick, FCC, and RoHS
Warranty		2 years
Accessories Included		High-capacity Li-ion rechargeable battery (180 minutes); cradle; 4-pin right-angle FireWire cable
Optional Accessories		Standard-capacity Li-ion rechargeable battery (90 minutes); high-capacity Li-ion rechargeable battery (180 minutes); external battery charger; wired remote control unit; serial control cable

Corporate Headquarters
 P 800 338 3348 (toll free)
 P 408 866 8300
 F 408 866 4859
 E sales@focusinfo.com
 E asiapac@focusinfo.com

European Headquarters
 COMO Computer & Motion GmbH
 A Focus Enhancements Company
 P +49 4307 8358 0
 F +49 4307 8358 99
 E emea@focusinfo.com

©2007. Focus Enhancements, Inc. Specifications are subject to change. All brand and product names are trademarks of their respective companies. 9/07 MANL-1005-04