

PRELIMINARY

JVC[®]
PROFESSIONAL

FOCUS
enhancements

FireStore[™]

DR-DV5000

DV Disk Recording Solution

DTE[™] TECHNOLOGY



DR-DV5000 will turn your DV-5000, DV-500 or DV-700 into a high performance disk based recording solution.

DR-DV5000 is designed to mount directly to your JVC DV-5000, DV-500 or DV-700 and turn it into a DV disk recording solution. With DR-DV5000, it is possible to shoot video direct-to-disk or simultaneously to tape and disk. Using Focus Enhancements revolutionary DTE technology, DR-DV5000 records files to removable FireWire hard disks in an "edit-ready" file format. Using this method, the FireWire disk drive can simply be removed from the DR-DV5000 module and connected to any DV based NLE computer system. Clips recorded can be imported directly into the NLE timeline and used immediately. No capturing. No file transfer. No rendering!

Research shows that most videographers spend about 25 hours each month just capturing. That is 37 work days each year! DR-DV5000 will turn your JVC Professional DV camcorder into an incredible time saver!

FEATURES

Connects Directly to Your Full-Size Professional JVC DV Camcorder
DR-DV5000 has been designed specifically to connect to your JVC DV-5000, DV-500 or DV-700. The DR-DV5000 module sits between the rear of the camcorder and the battery. One battery will power the camcorder, the DR-DV5000 module and a FireWire disk drive. I/O between the DV-5000 and DR-DV5000 is done via a 52-pin connector which passes video, audio, timecode and control information. When used with a DV-500 or DV-700, I/O between the camcorder and DR-DV5000 is done via a supplied 4-pin to 6-pin FireWire cable.

Integrates With Your Professional DV Camcorder Operation
When using the JVC DV-5000, DV-500 or DV-700, it is possible to control record and record pause of DR-DV5000 from your camcorder. Timecode generated by your camcorder can be recorded to file on the disk using DR-DV5000. When using a DV-5000, DR-DV5000 status and other information appears in the DV-5000 view finder.

Flexible Disk Drive Options
Use DR-DV5000's specifically engineered, shock protected mini drives that fit directly into the drive slot on the unit. Because DR-DV5000 uses removable drives, it is possible to simply swap out drives so the editor can get to work sooner while the camera operator continues to shoot. This solution gives you up to 80GB of disk space per drive in an enclosure only .47" thick. Internal buffer memory and shock proofing on specific DR-DV5000 drives ensures worry free operation. Alternatively, use virtually any FireWire disk drive connected to DR-DV5000 via a standard 6-pin to 6-pin FireWire cable.

Compatible with Popular DV NLE Applications
DTE technology means DR-DV5000 files are recorded in your NLE's native file format. This means no file transfer, no capturing, no rendering. Use DR-DV5000 recorded files instantly with the most popular applications from Adobe, Apple, Avid, Canopus, Matrox, Pinnacle, Sonic Foundry and much more! As new application support is released, you can simply update your DR-DV5000 in the field with new system software.

Long Record Times
Extend your DV-5000, DV-500 or DV-700's uninterrupted record time by hours. DR-DV5000 will accept up to a 80GB FireWire drive internally. That is over 6 hours of DV video! It is also possible to daisy chain up to four external FireWire drives of varying sizes to DR-DV5000 enabling incredibly long record times.

Powerful Disk Utilities
It is possible to partition and format any disk drive, to work with DR-DV5000. It is also possible to delete clips and run a check disk.

LCD Display and Playback Modes
DR-DV5000 features a detailed LCD which displays system mode, timecode, and disk space remaining. When using a JVC DV-5000, it is possible to preview clips in the DV-5000's viewfinder or on an external monitor using DR-DV5000's playback mode. Functions include play, pause, stop, forward index, back index, multi speed fast forward and rewind and record.

Retro Loop Record and Time Lapse Recording
DR-DV5000 features a retro loop feature where a recording can begin up to eight seconds before the record trigger button is pushed ensuring no action is missed! It is also possible to do user definable time lapse recording for any user specified time.

Lightweight, Small and Low Power Consumption
Weighing about 2 lbs, and only 4" x 3 1/2" x 5 1/2", DR-DV5000 is very lightweight and small. Power requirements are only about 8.5W.

SPECIFICATIONS

DR-DV5000 Module

General

Power Requirement: DC 12V to 17V
Power Consumption: Approx. 8.5W
Dimensions:
4" x 3 1/2" x 5 1/2"
(101mm x 89mm x 140mm)
Weight:
2 lbs. (900 grams)
Temperature:
Operating: -10°C to +45° (+14° F to 113°F)
Storage: -30°C to +90° (-22° F to 194°F)

Video: 25mb/s, 8-bit, 4:1:1 (NTSC-DV) or 4:2:0 (PAL-DV)
Audio: Embedded 2-ch (16-bit, 48kHz) or 4-ch (12-bit, 32kHz)
Timecode: Embedded SMPTE or DV drop frame or non drop frame
Disk Format:

FAT32. Compatible with Windows 98SE, ME, 2000, XP and Mac OS9 and OS10

File Formats:
RawDV, AVI Type 1, AVI Type 2, Canopus AVI, Matrox AVI, QuickTime and DV-OMF

Connectors:
Cam Connection: 52-pin connection (includes DV-I/O, data, control and power)
External DV I/O: 6-pin FireWire (isochronous - includes AV/C control)
External HDD I/O: 6-pin FireWire (asynchronous - includes power)
Power: 4-pin Female XLR

Compliance: CE/FCC/C-Tick compliant
Warranty: 2 year limited

Disk Drive

Power Requirement: +12V (powered by FireWire port)
Drive Options:
User Configurable: 0GB, User adds 2 1/2" IDE drive
Standard Drive: 40GB, 4200RPM
High Performance Drive: 60GB, 5400RPM
Avg. Rotational Latency: 7.14ms
Spin up Time: 3.5 Sec. (Typical)
Drive Buffer: 2 MB - 8MB
Shock:
Operating: 200G, 2ms half sine wave
Non-Operating: 900G, 1ms half sine wave

Battery Mounting Options

NP: NP Series Battery Case
Anton Bauer: QR-X2 3-Stud Adapter Plate

Application Compatibility:

Adobe Premiere
Apple Final Cut Pro
Apple iMovie
Avid XpressDV
Canopus DVStorm
Canopus StormRack
Canopus DV RaptorRT
Matrox RT2000/2500
Matrox DigiSuite DTV
Matrox DigiSuite LX
Matrox RTMac
Pinnacle DV500 Plus
Sonic Foundry Vegas Video
...Plus Many More



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