

FireStore FS-2

Studio DTE Recorder

DTE
TECHNOLOGY



FireStore™
Model: FS-2



The FireStore FS-2 DTE Recorder brings DTE Technology to the studio! With a rackmount chassis, extensive analog and digital audio/video support, genlock, external timecode, and industry standard control capabilities, the FireStore FS-2 Studio DTE recorder is ideal for tape deck replacement in broadcast, post, security, medical or presentation applications.

ELIMINATE INGEST WITH DTE TECHNOLOGY

DTE, or Direct To Edit Technology, is the future of digital video recording in the studio. Unlike tape based studio recorders, DTE Technology records video to removable FireWire disk drives in native DV25 NLE file formats such as Avid OMF, QuickTime, AVI Type 2, Matrox AVI, Canopus AVI, Pinnacle AVI, MXF and many others. By recording in native file formats, the time consuming capture process of ingesting video into an NLE system is eliminated so editing can begin immediately.

A VARIETY OF A/V INPUT/OUTPUTS

FireStore FS-2 has the full complement of A/V inputs and outputs including full signal transcoding! Analog I/O includes composite, S-video, component, and balanced audio. Digital I/O includes serial digital (SD-SDI), 25Mb/s DV (FireWire/iLink) and AES/EBU digital audio. A video monitor output is provided with on screen display (menu or TC burn-in) as well as an audio monitor and headphone output. Additionally, FireStore FS-2 features a 10/100 Base T Ethernet port for moving clips over a network.

TIMECODE, REFERENCE VIDEO AND CONTROL

In order to integrate seamlessly into any facility, FireStore FS-2 has excellent timecode, genlock and control features. Input and output LTC, VITC or embedded timecode while synchronizing FS-2 with other equipment utilizing the reference video loop-through. Standard control options include RS-422 (Sony 9-pin), RS-232C, GPI, AV/C (via FireWire/iLink) or the optional hard wire remote control.

EXTENSIVE RECORDING AND PLAYBACK FEATURES

FireStore FS-2 features flexible record options including loop record, retro disk and retro cache record and definable time-lapse record - all using DTE Technology native NLE file formats. When it's time to playback, FireStore FS-2 allows complete control including play, reverse play, stop, forward one

THE FIRESTORE FS-2 STUDIO DTE RECORDER SUPPORTS ALL POPULAR VIDEO I/O AND NLE FORMATS FOR THE ULTIMATE IN DTE TECHNOLOGY RECORDING.

frame, backward one frame, multi speed fast forward/rewind and slow motion. Move instantly from clip to clip or create multiple playlists on disk.

CLIP MANAGEMENT AND PLAYLIST CAPABILITIES

It is possible to move recorded clips into pre-named folders on disk using the Scene Marking or Keeper features on FS-2. This allows for easy access to the clips you need when editing without the hassle of searching for content. It is also possible to playback only clips in a particular folder from FS-2. The Playlist feature allows custom playback sequences to be created and saved on disk.

FLEXIBLE DISK DRIVE OPTIONS

FireStore FS-2 features a standard 120GB, 7200 RPM IDE drive in a removable bay capable of recording over 9 hours of video! Easily move this drive between multiple FS-2 units. For easy integration with FireWire equipped NLE systems, it is possible to daisy chain up to four external FireWire drives to FS-2's front or rear panel. Once a recording is finished, a FireWire drive can be disconnected from FS-2 and connected directly to the NLE appearing as a standard removable volume. Edit direct from the drive or copy the material to the computer or server at up to 400Mb/s!

FOCUS
enhancements

APPLICATION

- ▼ Presentation Video Source
- ▼ Broadcast Tape Deck Replacement
- ▼ Offline Edit Recorder
- ▼ Time Lapse Recorder
- ▼ Film to Disk Transfer
- ▼ NLE / Linear Edit Source/Recorder
- ▼ Endless Video Program Looping
- ▼ Security Recorder/Player
- ▼ Medical Recorder/Player
- ▼ Web Based Video Storage
- ▼ Industrial Monitoring
- ▼ Video DJ and Karaoke
- ▼ Outside Broadcast

FEATURES

- ▼ DTE Technology
- ▼ Daisy Chain Multi Drives
- ▼ Full Status LCD Display
- ▼ VTR Like Playback Capabilities
- ▼ Loop Playback Capabilities
- ▼ Full Disk Partition & Format
- ▼ Rack Mountable
- ▼ External Timecode Input
- ▼ Analog Video I/O (Composite, Component & S-Video)
- ▼ Serial Digital I/O (SD-SDI)
- ▼ DV 25 Mb/s FireWire I/O
- ▼ Embedded 2 and 4-ch DV Audio, 2-ch (16-bit, 48kHz), 4-ch (12-bit, 32kHz) Recording
- ▼ Genlock I/O
- ▼ Balanced Audio I/O
- ▼ AES/EBU Digital Audio I/O
- ▼ Sony 9-pin RS-422 Control
- ▼ Records DV Source Timecode
- ▼ FireWire AV/C Control
- ▼ Flash Upgradeable System OS
- ▼ Loop Record
- ▼ Retro Cache and Retro Disk Feature
- ▼ Definable Time Lapse Record
- ▼ Mark Playback In/Out Points
- ▼ Removable Hard Disk
- ▼ Scene Marking and Clip Functions
- ▼ User Definable Playlist Functionality
- ▼ 2-Year Warranty

SPECIFICATIONS

Input/Outputs

- Component - Y, Pr, Pb (3 x BNC in, 3 x BNC out)
- Sync (1 x BNC in, 1 x BNC out)
- S-Video - Y/C (1 x 4-pin DIN in, 1 x 4-pin DIN out)
- Serial Digital - SD-SDI (1 x BNC in, 1 x BNC out)
- Timecode (1 x BNC in, 1 x BNC out)
- Balanced Audio (2 x XLR in, 2 x XLR out)
- AES/EBU Digital Audio (1 x XLR in, 1 x XLR out)
- Reference Video Loop Thru (2 x BNC)
- DV Video I/O - 25 Mb/s (1 x 6-pin IEEE-1394)
- DV Video Pass Thru - up to 400 Mb/s (1 x 6-pin IEEE-1394)
- External HDD I/O - up to 400 Mb/s (2 x 6-pin IEEE-1394)
- FireWire Computer I/F (1 x 6-pin IEEE-1394)
- 10/100 Base T Ethernet

Control

- GPI & RS-232C Control (1 x 3.5mm mini jack)
- RS-422 (1 x DB9 Serial)

Power

- 110V to 220V AC, 50 - 60 Hz, Auto Ranging 100W
- IEC Power Input

Physical Specification

- 19 lbs (8.6kg)
- 3.5" x 19" x 16" (89mm x 482mm x 406mm)

Audio/Video/Timecode Specification

- 25 Mb/s, 8-bit 4:1:1 (NTSC-DV) or 4:2:0 (PAL-DV) video (user switchable)
- SMPTE or DV embedded or External Timecode (Drop or Non Drop)
- 2-ch., 16-bit or 4-ch., 12-bit embedded Digital Audio

DTE File Formats

- RawDV (.dv), AVI Type 1, AVI Type 2, Canopus AVI and Matrox AVI (.avi), QuickTime (.mov), Avid DV-OMF (.omf), Pinnacle AVI, 24p QuickTime, 24p AVI Type 2 or MXF

Disk Information

- Internal Disk Type: 120 GB, IDE, 7200 RPM
- External Disk Type: User Supplied IEEE-1394a FireWire
- Disk Format: FAT32
- FAT32 FireWire HDD compatible with Windows 98SE, ME, 2000, XP and Mac OS9 and OSX

Compliance and Warranty

- CE, C-Tick and FCC
- 2-Year Limited Warranty

Compatible DV Formats:

- DV, MiniDV, DVCam and DVCPPro (25Mb/s)

Temperature:

- Operating: 5 – 40°C (41 – 104°F)
- Storage: -20 – 60°C (-4 - 140°F)



Rear Panel

EUROPEAN HEADQUARTERS

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