Configuration example

ORDERING INFORMATION

CHERRY	IEEE1394 to HD-SD SDI OS free computer External 12V Power Supply
DV-EASY	DV-DVCPro Codec to SD-SDI with Downstream Synchronizer. Fully automatic sense and format detection. Bidirectional VTR controls interface
RM1	Rack mounting mechanics for 1 or 2 CHERRY modules
RPSU	Redundant & Hot Swap external 12V Power Supply

Doc 2007-0--CHER_DV-V7.00

Tcube, 5 rue de la verrerie 38120 Le Fontanil (F)
Tel: +33 476 26 1976 Fax +33 476 26 2593 e-mail sales@tcube.tv

DV-DVCPro50
DV-EASY

Software solutions developed for the *CHERRY* hardware platform

DV-DVCPro25/50 to SDI transcoding

Downstream Video Synchronizer

Automatic sense detection
(DV -> SDI, SDI -> DV)

Automatic format detection
(DV, DVCPro25/50, PAL, NTSC)

CHERRY

CHERRY has everything to suit your needs

- SDI Input
- SDI Outputs
- DV25-DVCPro50 I/O
- 100 base T Ethernet I/O
- Power fail relay bypass (SDI to SDI)
- Redundant Power Supply
- GPI I/O
- Field upgradable firmware from Compact Flash

Tcube

5 rue de la Verrerie 38120 Le Fontanil (France)
Tel: +33 476 26 1976 - Fax: +33 476 26 2593
sales@tcube.tv
www.tcube.tv

CHERRY

DV-DVCPro50 to SDI Interface

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CHERRY features

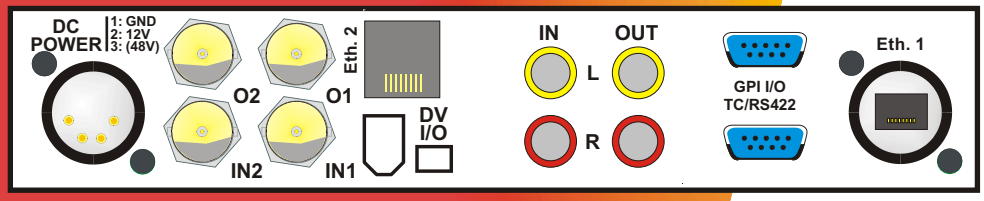
CHERRY is a unique combination of hardware and firmware devoted to :
- IEEE1394/DV and DVCPro25/50 interfacing and decoding
- SD-SDI interface and signal processing
- Composite PAL/NTSC Output
- Analogue audio A/D and D/A

Technical characteristics

- IEEE1394 6 pin and 4 pin connectors
- SDI 10 bit I/O with embedded audio
- 20 bit analogue audio A/D and D/A at 48kHz locked on SDI input
- 2 DB9 connectors for GPI I/O and RS422 VTR Control

Miscellaneous characteristics

- Dimensions 44mm (H), 205mm (W) 325mm (L)
- RM1: Rackmounting option (2 units in 1 RU)
- Weight 2.5kg plus power supply
- Power: CHERRY comes with 12V external power supply (100-240V)
- Optional redundant Power Supply
- Power consumption: less than 20W



DV-Easy Software

Fully automated process for Editing workstations

DV Codec Features

- Automatic DV, DVCPro25 or DVCPro50 decoding (according to Input data format)
- Fully automatic sense change (SDI to DV, DV to SDI) according to editor's controls
- SD-SDI (with embedded audio and time code) to DV-DVCPro25/50 (over 1394)
- 50Hz and 59.94Hz auto sense
- Embedded Audio and TC on SD-SDI Outs
- Analogue Audio Ins and Outs (20 bits @48kHz)

Upstream locked video frequency (SDI to DV)

- Fly wheel system locked on incoming video
- avoids loss of DV data and 1394 connection when SDI input disappears

Downstream Synchronizer (DV to SDI)

- SD-SDI signal used as Genlock
- Full Picture H and V Timing relative to Ref
- Freeze and AutoFreeze modes

Miscellaneous features

- Bidirectional interfacing between RS422 VTR controls (Sony protocol) and IEEE1394 Tape transport controls (AVC protocol)