MICRO LYNX OPTION CARDS

VITC – ACG – VSG – M3

Micro Lynx Option Cards

VITC - VITC Reader Card
NEW! Available NOW

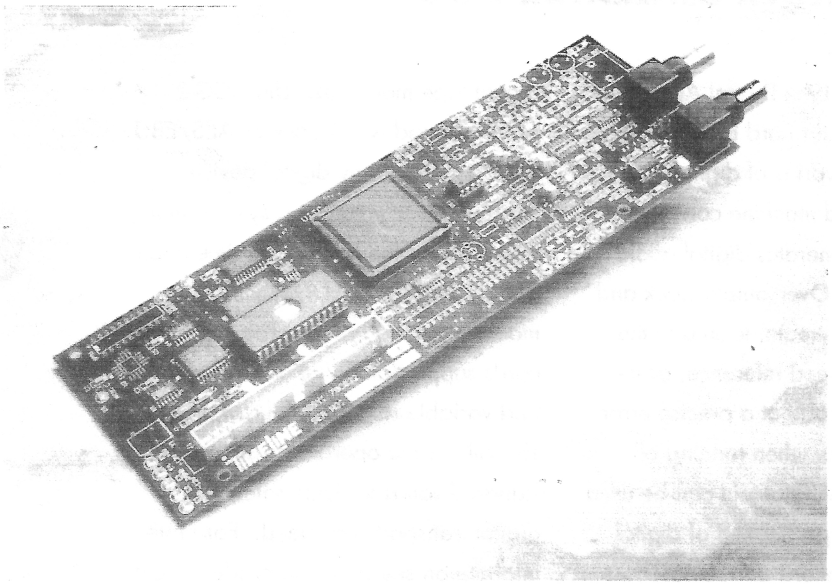
ACG-1 - Digital Audio Clock Generator Card with Word Clock, and Oversample Clock Outputs

ACG-2 - Digital Audio Clock Generator Card, same as ACG-1, plus AES/EBU Silent Output, and AES/EBU and Clock Inputs

VSG - Video Sync Generator Card in NTSC and PAL

M3 - Third Machine Reader/ Synchronizer Expansion Card

VITC READER CARD



VITC Reader

The Micro Lynx VITC option card is a state-of-the-art, microprocessor based Vertical Interval Time Code (VITC) reader that installs inside the Micro Lynx system unit. The VITC card integrates directly with the Micro Lynx machine controllers and eliminates the need for an external VITC to LTC translator.

The VITC option card is used in audio for video, post production applications, when a VITC reading capability is required and the VTR or VCR is not equipped to supply serial time code to the synchronizer.

Since VITC can be read in still mode and at very slow speeds, it can be used for accurately determining video tape position. The Micro Lynx seamlessly switches at 1/3rd play speed; between Longitudinal Time Code (LTC) and VITC, ensuring smooth operation and accurate time code values for use in dialog replacement, sound effects spotting and foley applications. A Micro Lynx keyboard status LED indicates when VITC is present and the LCD displays when the Micro Lynx is using VITC to update the machine reader position.

VITC is a form of time code that is only used with video. It is recorded as part of the video signal in the vertical blanking interval. VITC uses a 90-bit time code data word that is recorded on two non-consecutive video lines, at the beginning of each video field.

The Micro Lynx keyboard provides a comprehensive user interface for selecting VITC parameters. A function key accesses the VITC menu setup options. The menu structure is used to freely allocate the VITC card to any video transport, and to set the line scan mode. The scan mode can be automatic or fixed. In automatic, the Micro Lynx scans all video lines and will select the first available line pair with matching time codes. In fixed scan, the user specifies the lines for reading. The Keyboard shows a clear display of all lines present and lines selected to assist VITC reader configuration.

The VITC reader is an essential addition to the Micro Lynx system for audio and video applications.

Features:

- Automatic or manual line selection modes.
- Automatic switch between LTC and VITC at 1/3rd play speed.
- Allocation to any of the three Micro Lynx machines.
- Valid VITC code, type and line status display.

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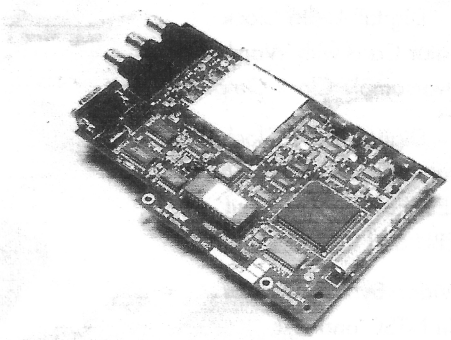
AUDIO CLOCK GENERATOR CARD

ACG-1 & 2

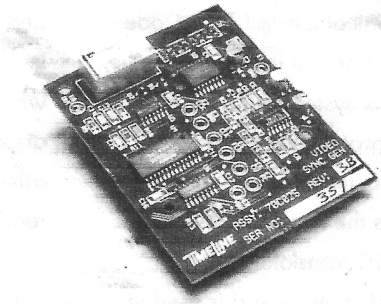
The Micro Lynx Digital Audio Clock Generator card brings together the different worlds of digital audio, time code and machine control. The ACG card generates digital audio Word Clock, Oversample clock and AES/EBU bit stream, locked to the Micro Lynx speed reference, or incoming time code at a precise error free ratio; even when running off speed. The ACG output can be used to control the play speed of digital audio workstations and released digital tape machines. The ACG-2 card will read word clock or AES/EBU bit stream from any digital device. This can be selected as a system timing reference for the Micro Lynx time code generators and used to synchronize machines in the system. The ACG cards support all 'fixed' sample rates and variable rate input/output modes. This allows the operator to set non-standard ratios to deliberately run digital transports off speed. For more information see separate product sheet.



VIDEO SYNC GENERATOR CARD

VSG

A small daughter card that plugs directly into the Micro Lynx main board, and generates NTSC or PAL composite video sync at color black level. This low cost sync generator is used to control the play speed of video and digital audio transports, when the Micro Lynx releases the machine after synchronization. The video sync generator output is always locked to the Micro Lynx system speed reference source, ensuring perfect synchronization.



THIRD MACHINE EXPANSION CARD

M3

The Third Machine Expansion card allows the Micro Lynx system to control three machines. Adding an M3 card to the system unit allows more complex multi-machine operations to be controlled from the Micro Lynx Keyboard. All Micro Lynx's are pre-configured to support the M3 option card. The M3 card is identical in performance and features to the two main synchronizers.
In addition, the M3 has special hardware to control the Sony VO5800 and VO5850 U-Matic VCRs.