

The diagram illustrates the internal architecture of the Sony CCD-1000 Hi-Fi VCR. Key components and their functions include:

- REAR A/V INPUT (L1):** Provides external video and audio inputs.
- TM-BLOCK:** The Tuning Module, which receives video and audio signals and outputs them to the video and audio input selectors.
- VIDEO IN / AUDIO IN:** Internal input lines for video and audio signals.
- NVRAM (IC603, 24C04):** Non-volatile random access memory for storing system settings.
- KEY-MATRIX:** Receives user input from the front panel and sends control signals to the U-COM.
- U-COM (IC601, MN101DP02):** The Universal Control Module, which coordinates the operation of the VCR's various functions.
- SYS-CON/SERVO/OSD/EDS:** System control, servo, OSD, and EDS (Error Detection System) logic.
- HI-FI/MTS (IC501, AN3662FBP):** Hi-Fi and MTS (Matrix Tracking System) processing block.
- VIDEO INPUT SELECTOR (LA71074):** Selects between different video sources (rear input, TM-block, or internal).
- IC301:** A video processing IC that handles the selected video signal.
- A/V:** Audio and video processing section.
- SMPS:** Switching Mode Power Supply, which provides power to the various components.
- DECK (CN302, CN303):** The tape transport mechanism, including the drum, capstan, and loading motor.
- SENSORS:** Various sensors (PT601, PT602, SW602, SW601, SW602/LD601, SW603) that monitor the tape's position and the deck's status.

