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Media Commander® Multi-View™

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*A FLEXIBLE, INTEGRATED APPROACH TO
PROFESSIONAL MEDIA ASSET MANAGEMENT*

FutureVideo®

The Media Commander®

Media Commander Multi-View System (MCMS) components are integrated hardware and software solutions to manage media assets on Windows 2000/XP PCs. MCMS' control, logging, and synchronized playback capabilities are ideal for many applications, including Video Content Analysis, Video Archiving, Distributed Audio/Video Post-production, and more. MCMS components are well-suited for both ingest and search/retrieve aspects of the media management system.

MCMS features include:

- A unified system approach to synchronized video playback.
- Support for multiple digital media formats including MPEG-1, MPEG-2, & AVI.
- A user interface that's intuitive, flexible, & easy to learn.
- A Jog/Shuttle Controller that's tightly integrated into the software for efficiency & comfort.
- Support for managing video media on tape (analog or digital) for playback or capture.

FutureVideo offers OEM customers and Systems Integrators several significant benefits, including:

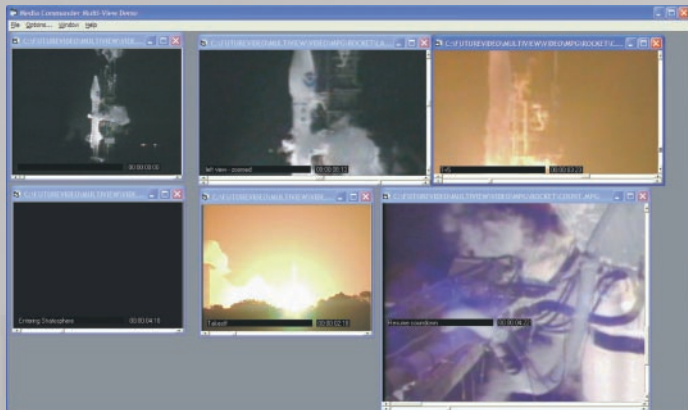
- Affordable entry into new or existing markets without incurring high engineering development costs.
- An easily configurable system that accommodates product evolution in the system being controlled.
- Customization of the system components & comprehensive technical support.
- Over 20 years of professional video control system experience.

Media Commander Multi-View System

The MCMS system consists of Multi-View and KeyAssigner software plus Media Commander hardware devices.

MULTI-VIEW SOFTWARE

The Multi-View software can simultaneously display up to 24 video playback windows (depending upon PC speed/memory) that can be synchronized together at any defined point. All video content can be started together from the sync point or stepped frame-by-frame.



Multi-View™ software allows managing the several video windows for synchronized playback. User's can zoom, re-size, and crop multiple windows according to their needs.

In addition:

- Setting a sync point that is either the same or offset from a "master" for each video.
- Defining In and Out points that limit the area of interest on playback.
- Loop playback of one or several videos.
- Providing VTR-type control features for video playback including Jogging, Shuttle Reverse/Forward, Play, Pause, and Stop when using the Media Commander Jog/Shuttle Controller.

MULTI-FUNCTION JOG/SHUTTLE CONTROLLER

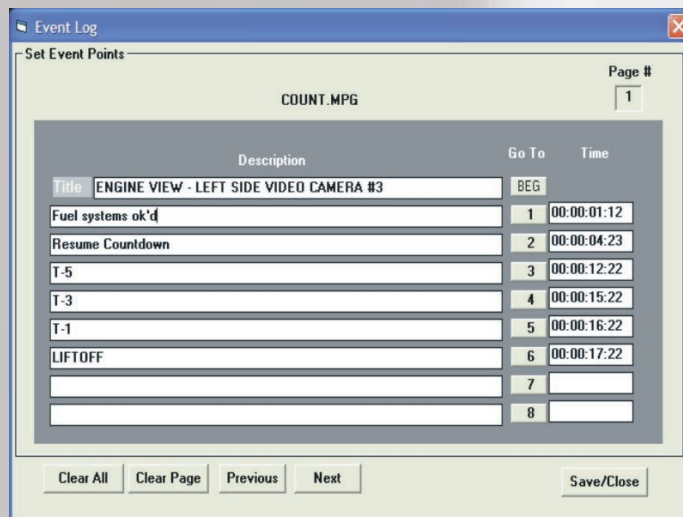
The Multi-function Jog/Shuttle Controller is an ergonomic tactile control surface to assist in controlling video playback systems (in this application, FutureVideo's MCMS). The controller has 23 function keys, a jog dial/shuttle ring and connects to the PC through any available USB port. It sends and receives commands to and from the Multi-View software program or device control modules, as required, to control playback and synchronize the video. As an integral part of the MCMS, it provides a familiar and efficient way to navigate the video media.



The Jog/Shuttle Controller assists in controlling video playback systems. It includes 23 function and command switches, a jog dial and a shuttle ring.

DISPLAY, LOGGING, & MANAGEMENT FEATURES

The Multi-View software includes several features for identifying and playing back images at various event points within the video. Up to 72 event points per video can be marked and labeled with a description and immediately accessed for review.



Users can add event marks at various times, then label and save them as an event log for each video file.

Other capabilities include:

- Accessing immediately the video position of the event marked in the log.
- Producing On-Screen Display (OSD) of the event marker time and description.

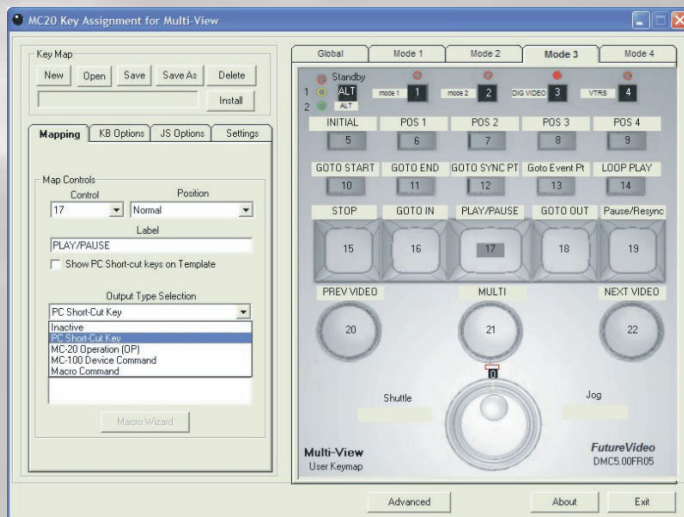
Multi-View™ System

- Zooming, re-sizing, cropping, and positioning each video content's window on the PC according to the user's needs and saved in the desired arrangement.
- Providing full screen playback of any video.
- Managing multiple video windows under a single project name.

KEYASSIGNER® SOFTWARE

The KeyAssigner software allows OEM customers and Systems Integrators to customize the Media Commander jog/shuttle functions and commands for the Multi-View and 3rd party software.

As a development tool, FutureVideo's KeyAssigner Software allows the OEM customer or Systems Integrator to re-program the assignments of each of the keys (22 which are re-programmable with up to 180 possible assignments) and the jog/shuttle controls (with up to 72 possible assignments). Short-cut keys (hot-keys), Ops, Device Control, and Macros can be assigned with an unlimited number of key maps that can be saved in template files. Three additional programmable key mapping modes allow adding control for other software programs or external devices.



KeyAssigner™ Software is a development tool that allows users to re-program key assignments and jog/shuttle controls for convenience and personal preferences.

In order to create a customized template label with the key assignment descriptions, a Microsoft Word document template (.dot) file is provided having the layout of the Jog/Shuttle keyboard. FutureVideo provides removable pre-cut glossy labels, which are inserted onto the top inlay of the Jog/Shuttle controller.

These labels can be printed upon with an inkjet or photo printer. A clear polycarbonate lens is provided which overlays the custom-made label. FutureVideo can also provide a professionally printed permanent adhesive-backed Lexan overlay in production quantities.



Create custom key labels with supplied pre-cut templates

DEVICE CONTROL MODULE

Adding the Media Commander Device Control module allows the Jog/Shuttle Controller to manage multiple recording and playback devices ('decks') including VTRs, ATRs, DVRs, and DVD recorders. Daisy-chaining several of these modules together makes it possible to control up to 16 decks in various formats that can also be simultaneously commanded to synchronize or capture video from tape to the PC (with optional capture hardware/software). Other device interfaces are also possible, and the modules can be customized for particular OEM customer applications. FutureVideo also provides an SDK for integrating this device controller into other applications.



Several MC-100 Device Control Modules can be added to manage up to 16 decks.

MEDIA COMMANDER DEVELOPMENT & DEMONSTRATION KIT

The Multi-View system may be configured to a wide variety of applications, and, as such, the system is provided as a developmental and demonstration system. This allows OEM Customers or Systems Integrators the flexibility to re-define the system to a particular client's requirements. FutureVideo can alter software source code or firmware/hardware specifications to satisfy specific markets or applications.

The Media Commander Development & Demonstration Kit consists of the following components:

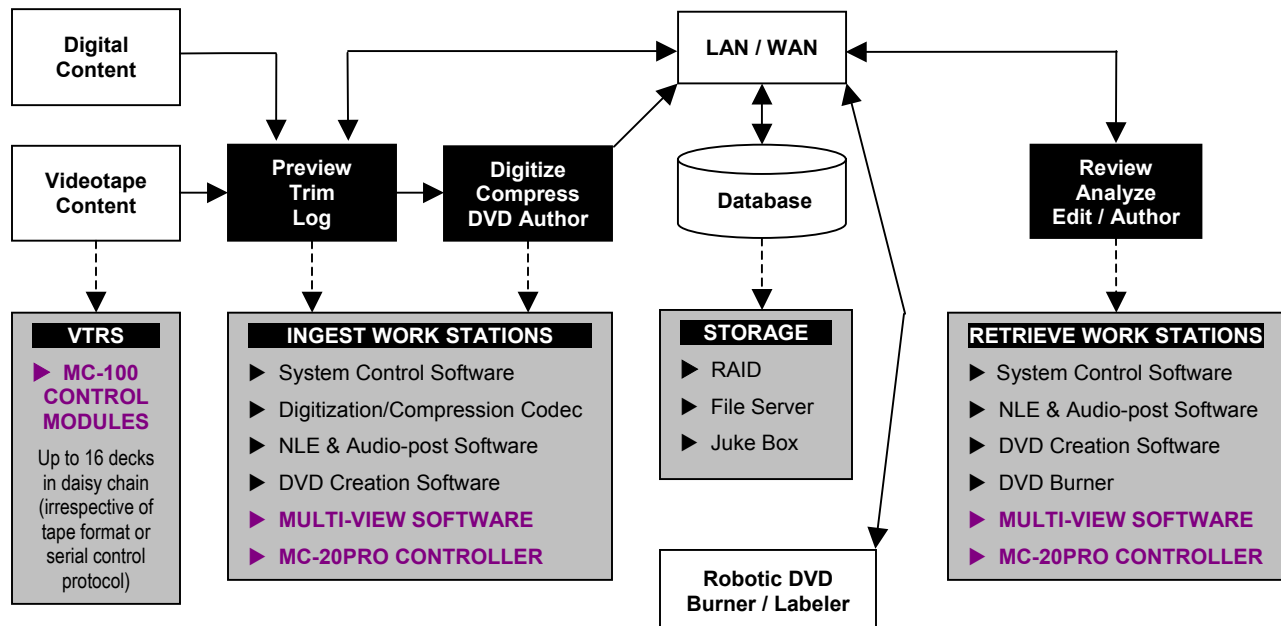
- Multi-View Software.
- KeyAssigner Software.
- Jog/Shuttle Controller (MC-20 PRO).
- Device Control Module (MC-100).
- Connecting Cables and Power Adapters.

- Engineering Overview of the MC-20 Multi-function Jog/Shuttle Controller Manual.
- Media Commander MC-20 KeyAssigner Software User's Manual.
- Media Commander MC-100 Device Controller User's Manual.

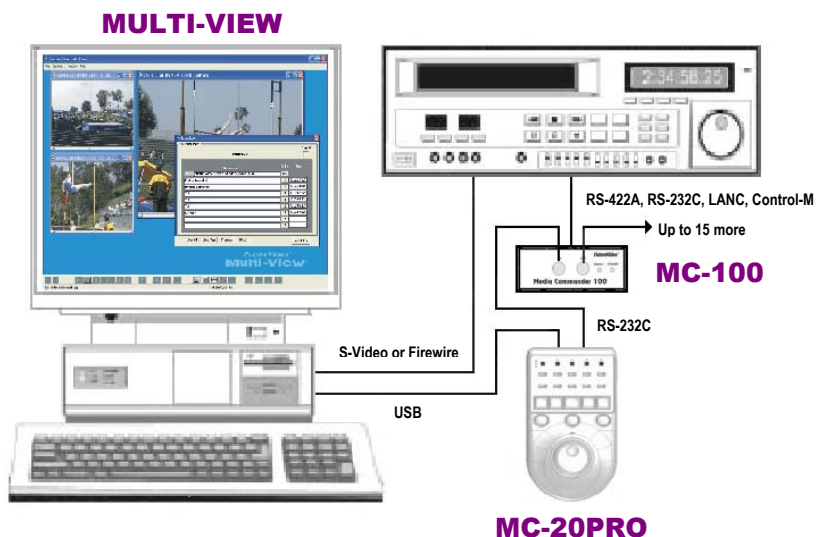
Media Commander® Multi-View® System Enhances Media Asset Management Solutions

VIDEO CONTENT ANALYSIS • VIDEO ARCHIVING • DISTRIBUTED AUDIO/VIDEO POST-PRODUCTION

SAMPLE CONFIGURATION USING MEDIA COMMANDER MULTI-VIEW COMPONENTS



TYPICAL VIDEOTAPE INGEST COMPONENTS



Media Commander Multi-View system components will enhance media asset management systems designed for a wide range of users, including:

- **Broadcast & Cable Television**
- **Post-production Facilities**
- **Stock Footage Houses**
- **Libraries**
- **Military & Aerospace**
- **Law Enforcement**
- **Security & Surveillance**
- **Legal**
- **Medical**
- **Universities & Colleges**

MINIMUM SYSTEM REQUIREMENTS

PC with Intel Pentium 4 (1.6GHz +) or AMD Athlon XP (1600 +) CPU; 512MB RAM (1GB recommended); Video Card (64MB Video RAM or more); 40 GB Hard Drive (7200 PRM); CD-ROM Drive; 800 x 600 Video Monitor Display; USB Port; Windows XP or 2000; Applicable MPEG-2 decoder; optional Firewire or analog capture card.

FutureVideo®

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