



MISSION DATA DEBRIEF SOFTWARE

Mission Data Debriefing Software (MDDS) is a comprehensive digital debriefing system which will revolutionize current debriefing techniques. Operating on a standard PC platform, aircrew can instantaneously jump to event marks or specific times in the flight to efficiently focus on mission objectives. With MDDS digital debrief features, pilots quickly perform shot/kill validation for air-to-air sorties or evaluate proper target designation/pipper placement for air-to-ground sorties. Mission commanders can immediately begin the debrief as MDDS automatically synchronizes up to 8 digital video/audio files (HUD, radar etc.) from multiple aircraft. Mission commanders can now catalog snapshots and move to specific times with the click of a mouse or an IR remote control. MDDS is easily deployable on a laptop or a ruggedized station giving deployed aircrew the same precise, detailed information for evaluating individual aircrew performance and the accomplishment of overall training/mission objectives that they have at home.

MDDS software utilizes MPEG-2 files for flight video/audio playback. An easy-to-use, menu-driven control panel manages mission videos, time, events, and other mission-related information. The MDDS can replay up to eight video

files in a synchronized, multi-window environment on a dual XGA monitor debrief station. Each monitor is capable of displaying up to four separate video sources simultaneously, giving mission commanders the ability to display both HUD and radar video for up to 4 aircraft.

The advanced MDDS can be hosted on industry standard PC's and notebooks using an IEEE-Firewire interface to the Removable Memory Module (RMM) interface units (i.e., docking stations). Inserting an RMM from a TEAC digital MDR-87 or MDR-80 Mission Data Recorder into the system's RMM interface automatically triggers the MDDS to access and play the digital video/data files.

The MDDS is a powerful debriefing system specifically designed to match the advanced recording features of TEAC's 5th-generation Mission Data Recorder (MDR) Series digital recorders as well as play all industry standard digital video formats.

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Important Features

- Installs from CD with auto install/setup function
- Easy-to-use, menu-driven Graphical User Interface (as shown in photo)
- Time Bar with drag function for quick cueing to desired time
- VCR-like commands/functions
- IR Remote Control commands supported for main functions
- Play, Stop, FF, FR, Bookmark and Segment mark, Main Menu
- Up to 4 RMM's can be supported
- Automatic MDDS program launch when RMM is inserted
- Auto load of up to 4 video files from RMM
- Frame accurate synchronization and cueing
- Auto loading of on-aircraft recorded event marks
- Manual Bookmarking function during debrief which includes thumbnail views
- Multi-speed fast and slow search functions
- User programmable for custom speeds
- Quick segment editing for replay, export or archiving
- Any or all video windows containing desired time slice
- User-definable screen layouts
- Selectable Audio On/Off controls
- Automatic Re-Synchronize function and Re-Sync on Pause
- Time offset feature to sync videos with different time reference
- Individual video window expands to full screen with double click
- Manual resizing of any video window
- Supports dual screen drag-and-drop and up to 8 video windows
- Individual video window brightness controls
- Easy swap to unopened video files on RMM's
- Easy mapping of RMM's and archived video files to the RMM icons on GUI
- Archived segment replay

Minimum Computer System Requirements

- PC with Pentium 4 1.7GHz or better processor
- Dual CPU recommended for multi-ship debrief
- CD-RW drive (DVD-RW recommended)
- 512MB RAM (1GB recommended)
- Video Card with 64MB Video RAM
- IDE type with dual monitor outputs recommended
- 256MB Video RAM recommended for multi-ship debrief
- IEEE 1394 I/O card(s)
- XGA monitor(s)
- 20 GB of available HDD space
- Removable HD recommended for classified applications
- RMM interface adapters for MDR-80 or MDR-87 (Order Separately from TEAC)
- Windows XP Professional with Service Pack
- Microsoft Office and Adobe Reader recommended



The MDDS Single Screen GUI

The MDDS control panel is optimized to direct the debrief: flight/data videos, time, events and other mission related information. It can be operated using a standard keyboard, mouse or an infrared remote control unit just like a VCR.

Fast, Accurate Debriefing.

- Hot debriefings without time consuming data download
- Automatic synchronization of up to eight video/data recordings
- IR remote control of main functions
- On screen video recording time display

More flexibility. Easier than tape.

- Digital video gives much improved resolution for BDA/BHA or shot validation
- Gives pilots ability to jump to times or event marks
- Frame-accurate cuing
- Simple VCR-like on-screen commands



MISSION DATA RECORDERS