

Advanced Video Analysis Station



- *User friendly - Windows Operation*
- *Compact - Transportable*
- *Fast Picture Search*
- *Zoom and Image Enhancement*
- *On Screen Measurement*
- *Automatic Event Searching*
- *Integrated Digital Map Display*

The replay and analysis of multiplexed airborne recordings is one of the most important aspects of a Video Recording System, as a fast effective debrief is essential if a system is to be fully exploited.

GEC-Marconi Avionics has designed and produced a range of replay equipment, which include desk top systems, rugged field portable systems and sophisticated replay stations for Harrier GR7 and Tornado aircraft, with up to five video channels.

The Advanced Video Analysis Station is a stand alone system which allows full exploitation of recorded information for mission debrief, aircrew training, weapon aiming analysis and reconnaissance interpretation. The user-friendly control interface provides a flexible level of video replay, from a fast mission debrief to an in-depth reconnaissance analysis.

The system comprises a professional quality high bandwidth tape replay machine, a powerful graphics computer and a single high resolution graphics display.

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Advanced Video Analysis Station

System Operation

Multiplexed video tapes are replayed through a solid-state video frame store which stores the last 20 seconds of replayed video. This permits the operator to manipulate the imagery and perform detailed frame by frame analysis, without the noise bars, picture degradation and electro-mechanical limitations associated with tape replay machines.

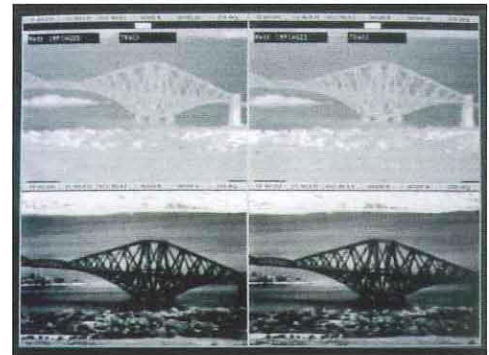
High quality demultiplexed video images are presented on the single display in real time video windows. This allows system size to be reduced and provides the operator with total flexibility in arranging the screen format and selecting the appropriate images of interest.

Fast picture search and automatic event searching provide rapid location of areas of interest, with tape index and frame store index displays showing the replay status and position of the event markers relative to mission time.

On screen analysis functions include a moveable zoom window, picture measurement, stereo imaging and target marking facility. Images can be enhanced using contrast stretch, noise reduction and various recursive filters to improve specific picture detail.

A full range of associated video system products are available, including :

Video Cameras, Video Tape Recorders, Multiplexers and Scan Converters.



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