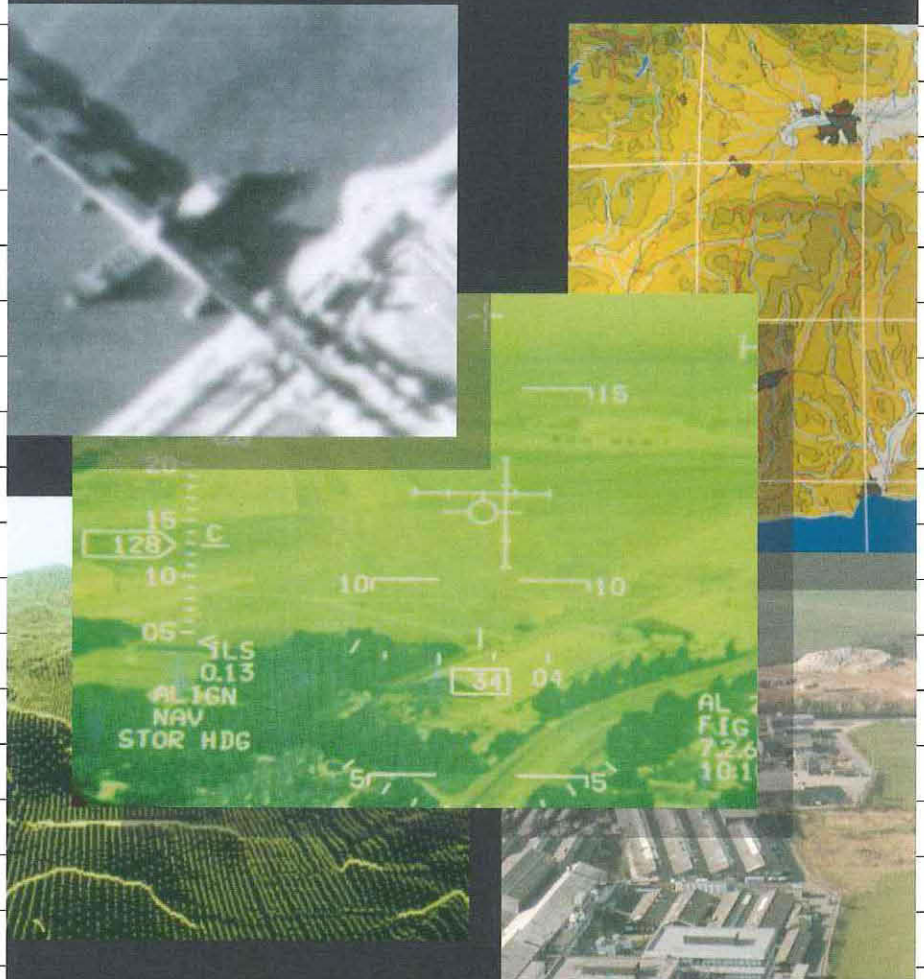


Total Video System Capability



The Requirement

Reliable and high quality recording of mission data is essential for rapid and precise post mission debrief and analysis. It will increase operational effectiveness as well as optimising training sorties.

The Solution

GEC-Marconi Avionics Ltd (GMAv) offers a complete video recording and replay capability from image capture through to replay and analysis.

A total systems approach ensures that the components of these complex systems produce the highest quality video available.

GEC-Marconi

Total Video System Capability

Our Experience

We have a wealth of knowledge and expertise through years of experience in the specification, design and manufacturer of sophisticated military Video Recording Systems.

As a market leader, we continue to exploit innovative techniques and strive to develop systems tailor-made to customer needs.

Video Cameras

Using state-of-the-art video sensor technology an extensive range of colour and monochrome cameras have been designed and produced to suit many different applications.

Various configurations exist for mounting on Gunsights and Head Up Displays in the conventional manner, i.e. viewing combined symbology and forward view through the combiner glass or periscope. Alternatively, the camera may be mounted forward of the combiners with the symbology electronically superimposed.

Video Recorders

A wide range of video recorders are available to suit different cockpit and bay mount installations. All have integral anti-vibration mounts and can provide hours of high resolution recording on commercially available cassettes. The unique design of the 8mm Sealed Video Recorder provides environmental protection to the tape by enclosing it in a sealed removable cartridge enabling secure and protected transit to and from the aircraft.

Multiplexers and Scan Converters

The operational capability of multiplexed video systems far exceeds conventional systems as simultaneous recording of all relevant video information is possible.

GMAv produce an excellent range of automatic video multiplexers to enable multichannel recording on a single video tape.

Similarly, non standard signals such as radar, or signals of a different line standard, can be conditioned for multiplexing by use of a range of scan converters.

Ground Replay Station

The system is complete with an effective Ground Replay System. This is essential to extract the maximum amount of information from a single channel video signal or multiplexed composite video signal. In addition to simple replay systems, GMAv manufactures complex multichannel Ground Replay Stations.

GEC-Marconi Avionics

GEC-Marconi Avionics Limited

Mission Avionics Division

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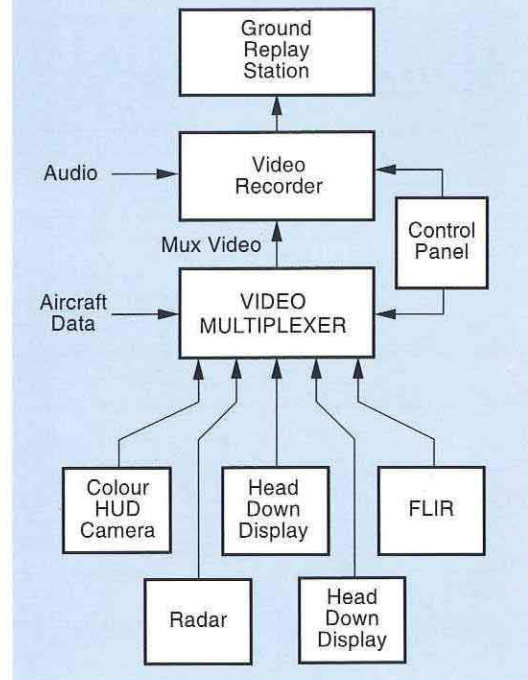
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Typical Multiplexed Video Recording System



Applications Fixed and Rotary Wing

	Camera	Multiplexer	Recorder	Replay System
Tornado F3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tornado GR1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harrier GR5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harrier T10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Harrier GR7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A-4 Skyhawk	<input type="checkbox"/>		<input type="checkbox"/>	
Tornado GR4	<input type="checkbox"/>			
Hawk Mk66	<input type="checkbox"/>			
JAS39	<input type="checkbox"/>			
CF116	<input type="checkbox"/>			
F-22	<input type="checkbox"/>			
F-16	<input type="checkbox"/>			
S211			<input type="checkbox"/>	
T-45 TS			<input type="checkbox"/>	
MB339			<input type="checkbox"/>	
Sea King Mk2 & 6			<input type="checkbox"/>	

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