



Features

- Record and Playback of HD-SDI and SD-SDI
- Record and Playback of PAL or NTSC composite video
- Front loading Solid State recording media
- Video Audio Recorder/Player
- Compatible with existing Britannia 2000 VCR installations
- Uses ½ ARINC DZUS mounting
- Shock, Vibration, and Dust resistant
- NVIS back lighting
- Extended temperature range



The 2942 dual standard High Definition / Standard Definition Airborne Video Recorder will record and play back digital HD/SD Video and Audio or analogue SD video and audio depending upon its installed configuration.

The unit can be configured to Standard Definition analogue mode and be a direct replacement for existing VCR installations. It can subsequently be configured for HD-SDI or SD-SDI as aircraft video equipment is updated. Simple to operate and with a design incorporating the experience of direct user feedback, the 2942 recorder uses removable

2.5" high speed, high capacity Solid State Drives (SSDs).

In Composite Video mode, twin audio inputs provide recording of radio and intercom commentaries. The tactile keypad has legends for daytime use and is backlit for night time operation. An NVIS filter is installed for NVG compatibility.

The unit can be configured to Analogue composite or digital SDI modes via an installer configuration menu and an auxiliary output is provided for remote indication of Record and "EOT" status.

2942 HD-SD Airborne Video Recorder

Recording Specification		
Supported Standards HD	720p50, 720p59.94, 720p60, 1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30	
SD Analogue	576i 625/25 PAL and 525/29.97 NTSC PAL / NTSC composite CVBS	
Compression	Compressed, 4:2:2 subsampling	
Colour Resolution	10 bits	
File Type	Quicktime (MOV)	
Recording Media	2.5" removable Solid State Disk	
Recording Time	HD: 512 GB / hour uncompressed SD: 128 GB / hour uncompressed HD: 100GB/hour compressed SD: 28 GB/hour compressed	
Audio	16 channels embedded in SD and HD	
Digital Audio Signal		
Connectors		
Composite Video	IN – BNC	OUT – BNC
Stereo Audio In/Out	10 way LEMO 2B	
HD/SD-SDI	IN - BNC	OUT - BNC
Power	5 way LEMO 2B	
Aux Out	4 way LEMO 1B	
Remote	19 way LEMO 2B	
Physical		
Overall Size	146mm Wide x 76mm High x 140mm behind mounting panel excluding connectors Approx. 30mm depth in front of mounting panel	
Weight	Est 1 kg	
Mounting`	¼ ARINC, 4 DZUS fasteners	
Power	28 volts	
IN	900mA VCR 1,400mA Heaters	

*Data sheets are subject to change without notice

