

Features

- Direct replacement of analog video recorders
- Records one video and two audio channels
- Records to commercial Compact Flash (CF) memory
- NTSC and PAL compatible
- Local controls on deck
- Low power consumption


General Description

The ADV-21/ARK is a digital solid state video recorder designed to provide an easy replacement for analog video cassette recorders. The unit has footprint and mechanical fixtures common to many airborne video cassette recorders including the Sekai ADVCR-101. Electrical interfaces for power, video, audio and discrete remote control interfaces are also common to many recorders. Serial interfaces of old recorders can be emulated upon request (please contact Sekai). Playback is made easy through the removable CF media, with a commercial adapter they plug directly into any modern PC or Laptop. The video can be played back with free commercial software such as Quicktime

Specifications

Recording Media	Compact Flash, CF
Video format	NTSC and PAL
Analog Resolution	550TVL (at 5:1 compression)
Pixel Resolution	720 X 486 pixels (525/60) 720 X 576 pixels (625/50)
S/N Ratio	50 dB
Bandwidth	7MHz (-3dB)
Compression Method	Motion JPEG
Compression ratio	1:4 to 1:20 variable pre-set
Audio	2-channels
Power Requirement	28VDC, Mil-Std-704D
Power Consumption	<5W
Dimensions	3.43 x 5.82 x 6.34
Weight	

Environmental Specifications*

High Temperature*	MIL-STD810E, Method 501.3 Procedure I: +60°C (Storage) Procedure II: +55°C (Operational)
Low Temperature*	MIL-STD-810E, Method 502.3 Procedure I: -40°C (Storage) Procedure II: -40°C (Operational)
Acceleration*	MIL-STD-810E, Method 513.4 Procedure II, 15G's, all axes
Vibration*	MIL-STD-810E, Method 514.4 (Jet Aircraft & Helicopter profiles)
Shock*	MIL-STD-810E, Method 516.4 Procedure I, 40G's 6-9msec Procedure IV, 122cm Procedure V, 75G's 6-9msec
Altitude*	MIL-STD-810E, Method 500.3 Procedure II, -15,000ft to 60,000ft
Humidity*	MIL-STD-810E, Method 507.3 Procedure III
Salt Fog*	MIL-STD-810E, Method 509.3
Sand and Dust*	MIL-STD-810E, Method 510.3 Blowing Dust (para II-1.1.1)
Explosive Atmosphere*	MIL-STD-810E, Method 511.3 Procedure I
EMI*	MIL-STD-461D / 462D RE-102 CE-102

*Design Goals
 All information subject to change without notice

