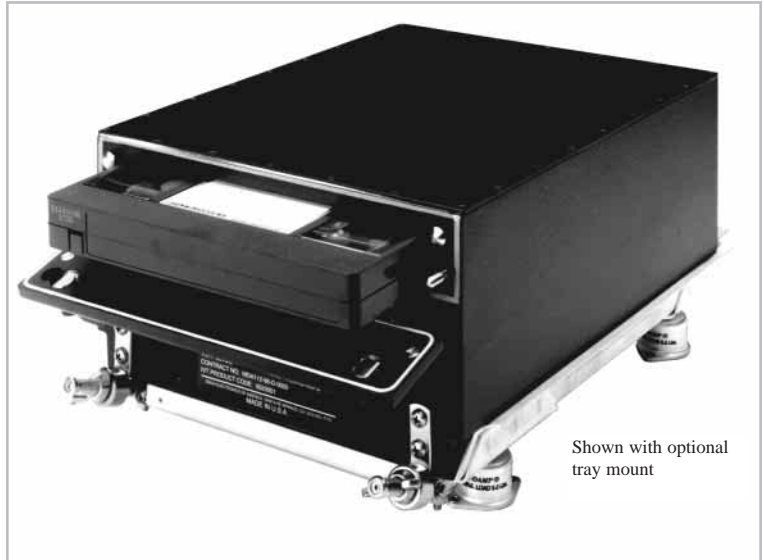


AIRBORNE VIDEO RECORDER NR-20SA

The NR-20SA was designed for rugged use in military aircraft environments. The recorder uses direct drive servo motors to eliminate excessive bearing wear associated with belt driven mechanisms. This increases MTBF and intervals between periodic maintenance. An internal hour meter, which can be viewed from the open tape door aids in service scheduling. A light-weight alloy casting houses the mechanism and the modular electronics. Efficient heaters allow for extended cold operations and can be custom specified at the time of manufacturing.



Shown with optional tray mount

- Designed and Manufactured in the United States
- VHS or S-VHS Format
- Electrically Heated for Low Temperature Operation
- Flexible Software for Different Mission Configurations
- Latest Technology, Direct Drive Scanner and Capstan Mechanisms
- No Belts or Heavy Flywheels in the Scanner and Capstan System
- Front Loading Compact Design Featuring Non-Powered Cassette Insertion and Removal
- Monochrome or Color Operation
- Redundant Cassette Load Assembly
- Improved Bandwidth in S-VHS Mode
- Dual Cassette Door Locks
- Capable of Recording Multisync Rates from 525 to 1249 Lines
- Environmentally Tested to withstand Salt Fog Spray and High Altitudes
- Rugged to Withstand Extreme Shock and Vibration
- Fully EMI Compliant with U.S. Military Standards 461
- Mil Spec 704 Rated Power Input Module

INTERMED VIDEO TECHNOLOGIES INC.

18 COMMERCE RD. • NEWTOWN, CT 06470 • PH: (203) 270-9100 • FAX: (203) 270-9619
Web Page: www.intermedvideo.com • E-Mail: sales@intermedvideo.com

AIRBORNE VIDEO RECORDER NR-20SA

SPECIFICATIONS:

POWER

Input Power*	28 VDC
Heater Power*	115 VAC
Power Requirements*	US Mil Std 704

GENERAL

Tape Width	12.65 mm
Record Time	>2/4 Hrs with T-120 tape >3/6 Hrs with T-180 tape
Tape Speed	33.35mm/sec 16.67mm/sec

VIDEO

Video Input level*	1.0 V p-p
Video Input Impedance*	75Ω
Horizontal Resolution	
VHS Mode	>240 lines at 525 lines per field
S-VHS Mode	>425 lines at 525 lines per field
Video Frame Rate	60Hz EIA or 50 Hz CCIR
Video Field Rate	525 to 1249 lines per frame
Signal to Noise Ratio	
VHS Mode	>42 dB
S-VHS Mode	>45 dB

AUDIO

Audio Channels	3
Freq. response	40-12,000Hz
Input	-6 dBs, 50KΩ
Output	-6 dBs, 1KΩ

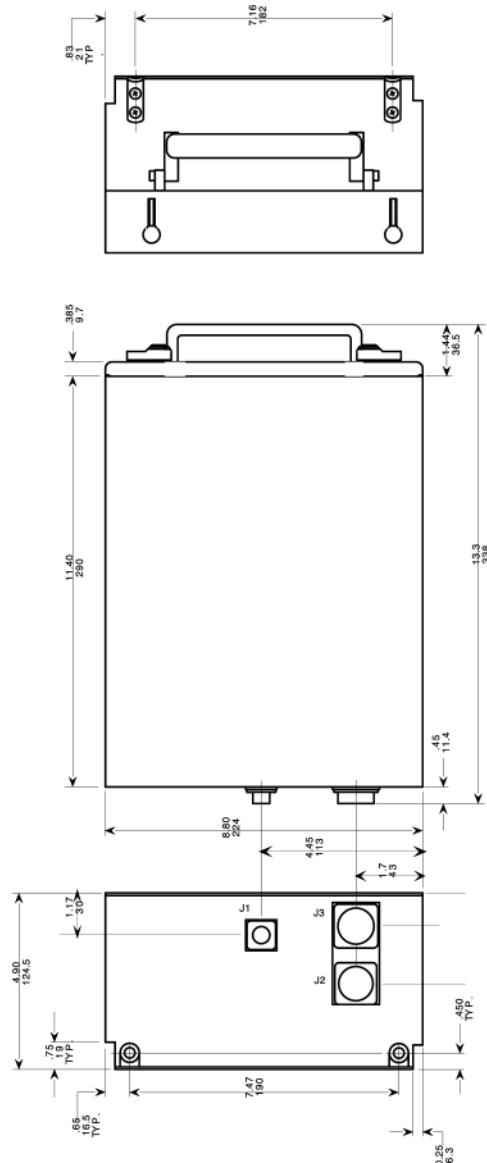
ENVIRONMENTAL

Operating Temp.	-40°C to +55°C
Salt Fog	US Mil Std 810 Method 509.1
Shock	US Mil Std 810 Method 516.2
EMI	US Mil Std 461
Weight	Approx. 10 lbs. (4.5 kg)
Altitude	>40,000 ft

*Depending upon customer requirements

DIMENSIONS

shown in mm (in)



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