

DSRs 420

The Ampex DSRs 420 Rackmount Recorder / Download Station is designed to operate as a ground based instrumentation recorder or to download data collected on Ampex DSRs Airborne Recorders.

The DSRs 420 uses Windows or Linux operating systems and is designed for standard 19" rackmount. The Solid State or Disk Removable Memory Modules (RMMs) plug into the RMM Port located in the front of the recorder.



Ampex DSRs 420 Rackmount Recorder

Features

- Gigabit Ethernet for FTP Downloading of Data for Archiving
- Downloaded Data may be Processed & Evaluated Locally
- HSM-Based Data Archiving / Retrieval
- Powerful Server for Post-Processing
 - MetaData
 - Timebase Correction
- IRIG 106 Chapter 10 SW-Based De-Multiplexing & Reconstruction
- Central Management Software for Data Cataloging & Distribution



- **19" Rack mountable**
- **cPCI based**
- **Port for RMM Solid State / Disk**
- **IRIG 106 Chapter 10**
- **STANAG 4575 Format**
- **DCRsi Format**
- **High Speed Download**
- **Network Attachable**
- **Data Archival**
- **Windows / Linux Platform**
- **Connectivity to DST Archival System**
- **Download Directly to LTO tape for archiving**

DSRs 420 Specifications

Performance	Disk Module	Solid State Module
Data Rate	600 Mb/s+	600+ Mb/s
User Data Storage	960 GB	2.2 TB
Error Rate	$< 1 \times 10^{-12}$	$< 1 \times 10^{-12}$
Temperature		
Operating	0 °C to +50 °C	-20 °C to +70 °C
Nonoperating	-50 °C to +80 °C	-50 °C to +80 °C
Humidity	5 % to 95 % RH	5 % to 95 % RH
Instrumentation Interfaces		
Data Interface / Format	8 bit parallel, differential ECL STANAG 4575 Fiber Channel Ethernet 100 Base T, Gigabit Ethernet Multiplexer, IRIG 106 Ch 10 Hot Link SCSI	
Control Interface	EIA-232, EIA-422, Ethernet or Discrete Cockpit Control	
Time Code	IRIG B	
Options		
LTO Tape Drive	Internal Tape Drive for archiving	
Hard Drive	Internal Hard Drive for Downloading	
PCI (Optional)	External, Single Board (plugs into Host computer)	
VME (Optional)	External, Single VME Board (plugs into Host Computer)	
Physical Characteristics		
Size	7" H x 19" W x 15.25" D	
Weight	< 45 lbs	
Power		
Power Input	110 – 220 VAC, 50 – 60 Hz	
Power Dissipation	<250 Watts	

Specifications subject to change without notice or obligation

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