

The DSRs 600e high performance Solid State Recording System is designed specifically for airborne applications requiring very high data rate and storage capacity in a small, rugged and lightweight package.

A solid state (flash) memory cartridge enables the recorder to operate at high altitude and under severe vibration and shock conditions typically encountered in airborne applications. The recorder is based on PCI Express bus capable to accommodate multiple high speed data interfaces or an Internal Multiplexer. The removable memory modules can be downloaded via a PC-based network attached ground system.

Typical Applications

- Ideal for platforms with limited space and power.
- Airborne Image Recording from E/O, IR and SAR Sensors.
- Flight Test, Radar Development, Telemetry Data Acquisition.
- Shipborne/Airborne Acoustic Sonar Data Acquisition
- Elint/Comint Data Acquisition

Data Interface / Format

- Serial FPDP
- Internal Mux Multichannel, IRIG 106 Chapter 10 format
- Fiber Channel STANAG 4575
- SONET OC-3
- Customer specific
- Gigabit Ethernet

DSRs 600e
Mid size



AmpeX DSRs 600e Solid State Data Recorder

- *Data rate to 600+ MB /s*
- *Solid State capacity up to 3 TB*
- *Low power consumption*
- *Compact size, small mass*
- *6"W x 11"D x 6.5"H (small size)*
- *6"W x 11"D x 9.5"H (full size)*
- *Conduction cooling*
- *Removable flash memory modules*
- *IRIG B Time code Input*
- *RS 232/422 Control Interface*
- *Discrete Line Cockpit Control*
- *Read-While-Write Capability*
- *Operating System: Linux*