

# DFC-1800/1800N

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## Variable Rate Buffer

- The DFC-1800 accommodates user data rates from 0 to 64 MBits/sec when used in conjunction of the DIR-1000L, while the DFC-1800N, equipped with a larger buffer memory, accommodates user data rates up to 256MBits/sec with the DIR-1000
- Suitable for a variety of real-time data acquisition applications
- Effectively matches the user's data rate with one of the fixed data rates supported by the DIR-1000 Series recorder in use
- Choice of both parallel (8 bit data + clock) and serial bit stream input/output data interfaces
- Accommodates an IRIG-A or IRIG-B time code channel
- Provides a Write Retry Function for maximum data assurance
- Incorporates a comprehensive diagnostics and error reporting capability.

Supplied accessories: VCD-2D, digital data cable (2)  
RCC-5G, RS-422 cable (1)  
D-sub 15-pin cable (1)

## Specifications

### GENERAL

Power requirements: 100 to 120V/220V to 240V  $\pm$ 10%, 50/60Hz  
Power consumption: Approx.120W  
Operating temperature: 10°C to 35°C (50°F to 95°F)  
Mass: Approx. 12kg (26lb 7oz)  
Dimensions: 424 x 100 x 645 mm (16 3/4 x 4 x 25 1/2 inches)

### INPUT/OUTPUT SIGNALS

Data: Input 1 D-sub 25-pin, 8bit parallel, ECL differential  
Input 2 BNC, bit serial, ECL differential  
Output 1 D-sub 25-pin, 8bit parallel, ECL differential  
Output 2 BNC, bit serial, ECL differential  
Time code: Input 1 BNC, IRIG-A or IRIG B, AC code  
Output 1 BNC, IRIG-A or IRIG B, AC code  
Remote: Remote 1 24pin, GP-IB  
Remote 2 D-sub 25-pin, RS-232C



For DIR-1000 Series data recorders

Data input D-sub 25-pin, 8bit parallel, ECL differential  
Data output D-sub 25-pin, 8bit parallel, ECL differential  
Auxiliary D-sub 15-pin, RS-422A  
Remote D-sub 9-pin, RS-422A