

DIR-240/120

Digital Instrumentation Recorder

- The DIR-240 and DIR-120 are the new half-inch digital instrumentation recorders from Sony.
- Large storage-capacity – 250 GBytes native capacity on one L-cassette and 74 GBytes per an S-cassette.
- High-speed variable sustained data transfer rate up to 30 MBytes/sec for DIR-240 and 15 MBytes/sec for DIR-120.
- Able to read DIR-240/120 tape on DTF-2 tape drive.
- Provides a long recording time – 138 minutes per one L-cassette and 41 minutes on an S-cassette at 240 Mbps, and 276 minutes/L-cassette and 82 minutes/S-cassette at 120 Mbps.
- High reliability
- IRIG A or IRIG B time code interfaces available.
- Compact design.
- Mountable in PetaSite – the DMS-8400 Series tape robotic library.

Supplied accessories: Operation manual (1)

Specifications

GENERAL

Power requirements: AC 100 to 240 V, 50/60 Hz, 400 Hz
Power consumption: 100 V 2.8 A/ 240 V 1.2 A
Operating temperature: 5°C to 40°C (41°F to 104°F)
Operating humidity: 20% to 80% (non-condensing)
Mass: 23 kg (50.71 lb)
Dimensions (W x H x D): 315(W) x 220(H) x 486(D) mm
(12 1/2 x 8 3/4 x 19 1/8 inches)

PERFORMANCE

Storage capacity (formatted):
Large cassette: 250 GBytes
Small cassette: 74 GBytes

Recording time:
240 Mbps: 138 min/Large cassette
41 min/Small cassette
120 Mbps: 276 min/Large cassette
82 min/Small cassette

Data transfer rate:
Variable rate IF: 0 to 240 Mbps (DIR-240)
0 to 120 Mbps (DIR-120)
SCSI IF: 30 MBytes/sec (sustained) (DIR-240)
15 MBytes/sec (sustained) (DIR-120)

Bit error rate: 1 x 10E-13 bit or less

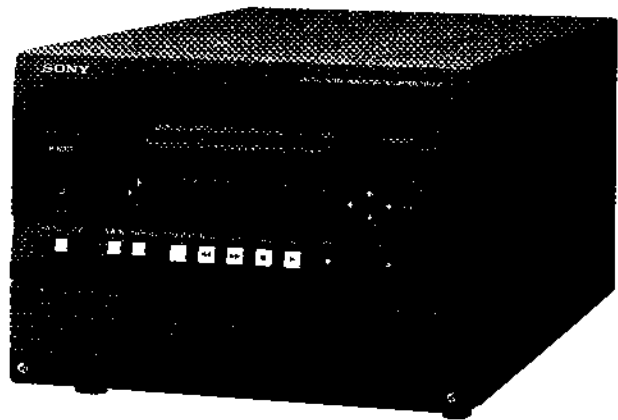
Recording media:
1/2" metal particle tape
L-cassette: DI-250GL (250 GB)
S-cassette: DI-74GS (74 GB)

INTERFACE

Data: 8-bit parallel I/O: 8-bit parallel ECL differential
SCSI: Ultra Wide Differential SCSI

Time code: IRIG A or IRIG B (AC code) (BNC)

Remote: RS-422A or RS-232C (D-sub 25-pin)
RS-232C x 2 (D-sub 25-pin)
10Base-T Ethernet



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