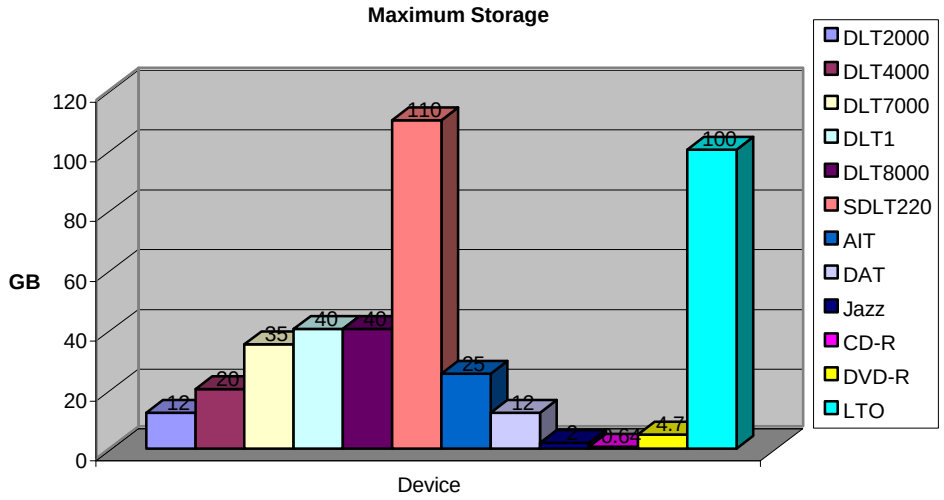
NETmc Marine Ltd

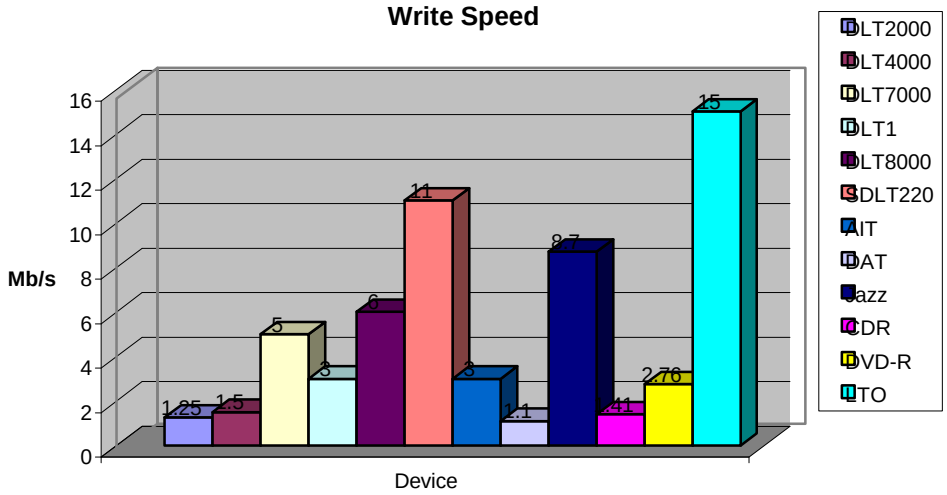
Comparison of various data backup systems

Approximate pricing for indication only - valid for mid 2001, other manufacturers of similar equipment available

Name	Description	Manufacturer	Maximum capacity on each tape giga bytes	Equivalent no of VHS tapes (3hr) (at 4 mbit/s encoding)	Speed Mbps	Time to write full media	Cost per tape £	Cost per drive £	Cost per Gb £	Interface
Realistic Options for online backup and archive										
DLT2000	0.5" Tape	Quantum	12	2.7	1.25	200 minutes	30	1300	2.50	SCSI
DLT4000	0.5" Tape	Quantum	20	3.7	1.5	222 minutes	40	1500	2.00	SCSI 2
DLT7000	0.5" Tape	Quantum	35	6.5	5	116 minutes	50	2100	1.43	68pin wide SCSI or SCSI 2
DLT1	0.5" Tape	Quantum	40	7.4	3	222 minutes	55	1200	1.38	68pin wide SCSI
DLT8000	0.5" Tape	Quantum	40	7.4	6	111 minutes	55	2700	1.38	68pin wide SCSI or SCSI 2
SDLT220	0.5" Tape	Quantum	110	20	11	166 minutes	100	5500	0.91	Ultra 2 SCSI
AIT	4mm Tape	Sony	25	4.6	3	138 minutes	45	2700	1.80	SCSI 2
DAT	4mm Tape	Seagate	12	2.2	1.1	181 minutes	30	560	2.50	SCSI
LTO	Tape	HP	100	18	15	60 minutes	96	6300	0.96	SCSI UW
Other media - more suitable for clip export										
Jazz	Tape	Iomega	2	0.4	8.7	4 minutes	60	205	30.00	SCSI
CDR	Optical	Pioneer	0.64	0.1	1.41	9 minutes	0.7	150	1.09	IDE
DVD-R	Optical	Pioneer	4.7	0.87	2.76	2.8 minutes	20	500	4.26	SCSI / IDE

See page 2 for graphical comparisons:





Summary:

LTO would appear to be the best choice in terms of storage capability, speed and overall cost per giga byte.

Storing over 55 hrs of single channel MPEG2 4Mbps video to tape in 60 minutes

The downside is its cost - both for the drives and media.

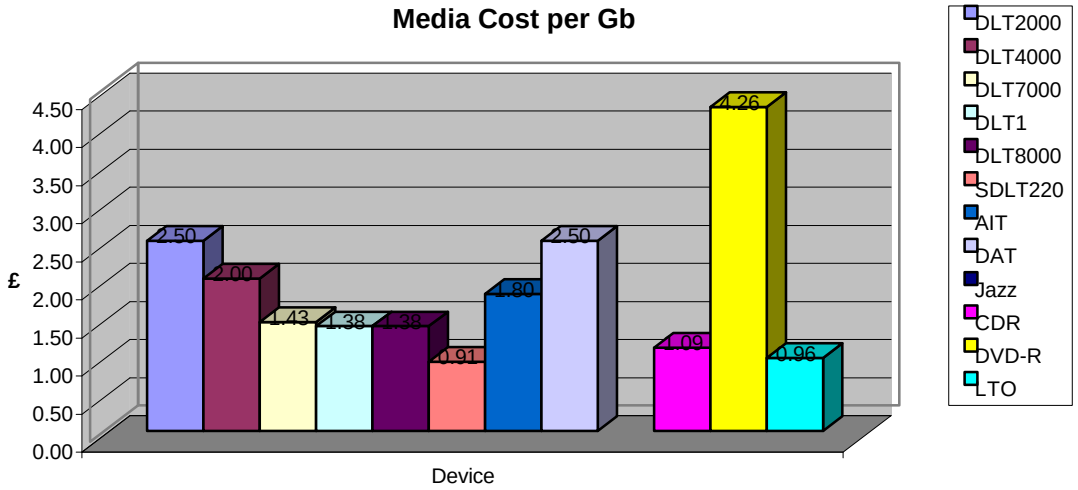
2nd favorable option is SDLT

Next favorable option is DLT8000.

A good balance of performance and cost.

Storing 22 hrs of single video, writing 6 hours to tape in 30 minutes. A format many IT and survey Depts use today.

Library and multi-changer drives available for most models



Note: Jazz drive not featured as cost/Gb 10x that of nearest