

## LTS-70 Datasheet

### 1. Specifications

#### Basic specifications

Temperature / Humidity	10°C to 35°C / 20% to 80% (no condensation)
Power	AC 100 V to 240 V $\pm$ 10%, 50/60 Hz
Consumption	AC 100 V to 120 V: 130 VA (128 W) AC 220 V to 240 V: 176 VA (132 W)
Dimensions	212 (W) x 116 (H) x 422.5 (D) mm
Weight	8 kg
Consumables (at 24-hour operation)	Cooling fan: Replace every 3 years. Power: Replace every 5 years. Battery: Replace every 5 years. (*) Hard disk drive: Replace every 5 years.

\* Yearly battery replacement is recommended when unit is stored without powering on for long periods

#### Technical specifications

Removable Storage	LTO-5 / LTO-6 / LTO-7 (File system: IBM LTFS) *An LTO-5 tape is read-only.
Internal Storage	8TB HDD
Interfaces	
USB	USB3.0 series A connector x 4 (front x 2, rear x 2)
LAN1/LAN2	100BASE-TX/1000BASE-T, RJ-45 x 2
To External Drive	Mini-SAS x 1 (For LTO-EU7 (option), IBM external LTO-7 drive or auto loader connection. LTS-REP/LTS-TSC option software is necessary.)
VGA	D-Sub 15-pin (female) x 1
RS-232C	Not used
IPMI	Not used

#### <LTO-5 Basic Performance >

\*An LTO-5 tape cartridge is read-only in the LTS-70

Cartridge Size	105 (W) x 22 (H) x 102 (D) mm
Capacity	Approx. 1.5 TB (data area: 1425 GB / 1327 GiB)
Recording capacity	The followings, values excluding ancillary data and proxy video files, are theoretical. Actual values may differ depending on LTO tape and head conditions.
MPEG-2 422@HL	Approx. 52 hours (50 Mbps, HD)
MPEG-2 MP@HL	Approx. 82 hours (35 Mbps, HD)
Response	File system information acquisition time: under one minute in typical case File body seek time: within three minutes (This will take more time in some cases.)

**<LTO-6 Basic Performance >**

Cartridge Size	105 (W) x 22 (H) x 102 (D) mm
Capacity	Approx. 2.5 TB (data area: 2408 GB / 2242 GiB)
Recording capacity	The followings, values excluding ancillary data and proxy video files, are theoretical. Actual values may differ depending on LTO tape and head conditions.
MPEG-2 422@HL	Approx. 80 hours (50 Mbps, HD)
MPEG-2 MP@HL	Approx. 120 hours (35 Mbps, HD)
Response	File system information acquisition time: under one minute in typical case
	File body seek time: within three minutes (This will take more time in some cases.)

**<LTO-7 Basic Performance >**

Cartridge Size	105 (W) x 22 (H) x 102 (D) mm
Capacity	Approx. 6.0 TB (data area: 5732 GB / 5338 GiB)
Recording capacity	The followings, values excluding ancillary data and proxy video files, are theoretical. Actual values may differ depending on LTO tape and head conditions.
MPEG-2 422@HL	Approx. 190 hours (50 Mbps, HD)
MPEG-2 MP@HL	Approx. 285 hours (35 Mbps, HD)
Response	File system information acquisition time: under one minute in typical case
	File body seek time: within three minutes (This will take more time in some cases.)

**<Proxy Video >**
**H.264 file**

Video	Compression format	H.264 Baseline Profile Level 2.1
	Resolution	HD: 424 x 240 SD: 320 x 240 (NTSC) 384 x 288 (PAL)
	Frame rate	NTSC family: 29.97 fps, PAL family: 25 fps
	Bitrate	900 kbps
Audio	Compression format	AAC LC
	Number of channels	2 ch
	Sampling rate	48 kHz
	Bitrate	96 kbps
File format	Container format	MP4
	Bitrate	Auto-calculated from video and audio bitrates
Timecode	-Added to each frame as the Picture Timing SEI message in H.264 streams. -Timecode can be added to the video content by changing setting.	

### Windows Media file

Video	Compression format	Windows Media Video V9
	Resolution	HD: 424 x 240 SD: 320 x 240 (NTSC) 384 x 288 (PAL)
	Frame rate	NTSC family: 29.97 fps, PAL family: 25 fps
	Bitrate	1,300 kbps
Audio	Compression format	Windows Media Audio V9
	Number of channels	2 ch
	Sampling rate	48 kHz
	Bitrate	192 kbps
File format	Container format	WMV (ASF)
	Bitrate	Auto-calculated from video and audio bitrates
Timecode	-Timecode can be added to the video content by changing setting.	

### Options

LTR-BWIN	LTR Browser (Windows Version)
LTR-BMAC	LTR Browser (Mac Version)
LTS-SX	MPEG-2 (OP-1a) Plugin
LTS-PAD	AVC-Intra/DVCPRO Plugin
LTS-PRS	ProRes422 Plugin
LTS-DNxHD	DNxHD Plugin
LTS-XAVC	XAVC Plugin
LTS-XAVC-L	XAVC Long Plugin
LTS-AVCHD	AVCHD Plugin
LTS-REP	LTO tape duplicator Plugin
LTS-MAM	Media Asset Manager
LTS-TSC	LTO auto-loader Plugin
LTS-10GR	10GbE option (RJ45 model)
LTS-10GS	10GbE option (SFP+ model) 10GBASE-SR SFP+ optical transceiver
LTO-EU7	LTO-7 external unit

### Accessories

AC cord, LTO cleaning cartridge, CD-ROM, and Packing list

**2. External Dimensions**

(All dimensions in mm.)

