

Digital Time-Lapse Security Recorder

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DTL-4800

Digital Time-Lapse Security Recorder

Main Features

High Quality Recording and Playback 520 lines of horizontal resolution in both recording and playback modes with a S/N ratio of 48dB

Multiple Recording Modes 12, 24, 48, 72, 96, 120, 168, 240, 360, 480, 720, and 960-hour recording. Effective tape capacity of 37 gigabytes (when using ST-180XZES tape). 7 times capacity compared to DVD-RAM capacity of 5.2 gigabytes.

Pre-Alarm and Post-Alarm Recording 280 fields of pre-alarm recording.

Frame Recording Mode In addition to field recording/field playback, also possible are frame recording/frame playback and frame recording/field playback. Frame recording/frame playback achieves double vertical resolution.

Auto Repeat Recording By setting the unit to repeat mode, when the end of the tape is reached, it is automatically rewound and recording starts again from the beginning of the tape.

Alarm Recording If an externally connected alarm sensor is triggered, the DTL-4800 switches to alarm recording (recording speed set via on-screen menu), allowing full capture of the alarm event.

Built-In Time/Date Generator A built-in microprocessor, equipped with a calendar function, can be turned ON/OFF in recording and playback modes.

Extended Audio Recording Audio recording and playback is possible up to 72 hours.

Series Recording When end of tape is reached in recording mode, a pulse is initiated that can be used to start recording mode in another recorder.

Advance-Tape Handling and Protection Function Record retry allows the recorder to remain in the record function and protects tape transport from damage due to a bad spot on the recording tape.

Thread Check ensures that the tape is properly contacting all points along the tape transport, preventing the potential of unusable recordings.

Unloading Protection function senses the proper rotation of both supply and tape reels, allowing one reel to compensate for problems with the other. This system prevents tape and recorder mechanism damage during unloading.

Three-Way Communication System RS-485 for control of up to 256 compatible devices over a single cable run using SANYO SSP communication system (VSP-7000 Controller). RS-232C for single-unit computer communication control. SANYO resistor ladder network for single-unit remote control via handheld device (VA-RMN01)

Alarm Search, Alarm Scan Alarm search finds the next alarm recording on the tape and plays the first image (still mode). Alarm scan searches the complete tape for alarm recordings, playing the first five seconds of each.

Date and Time Search By using a high-performance VASS and the information in the data track, the events can be searched by date, hour, minute, and second.

Memory Transfer Ni-CD battery allows the transfer of data in the memory to a cassette tape during a power failure.

Resume Function During a power failure, recording will be interrupted. When power is restored, recording will automatically resume.

Clog Detection/Forward/Reverse Digital View and Forward/Reverse Search/Power OFF Timer Recording make them operate efficiently.

Specifications

MODEL	DTL-4800
GENERAL	
Tape Cassette	Standard 1/2" S-VHS (ST-180XZES)
Video Recording System	2 Video Helical Heads for Recording Normal Playback, Time-Lapse Modes
RS-232C/RS-485 Data Transfer Speed	19,200, 9600, 4800, 2400 Baud
RECORDING SYSTEM	
Recording and Playback Times	12,24,48,72,96,120,168,240,360,480,720,960 (with ST-180XZES Tape)
Audio Recording	12,24,48,72 (with ST-180XZES Tape)
Tape Speed	13.89mm/Sec.
Head Azimuth	± 30°
Drum Rotation	1800 rpm
Tracking System	CTL Track System
Main Data Input Rate	13.8Mbps
Recording Rate	19.14Mbps
Forward Search Speed	x4 Forward Digital View
Reverse Search Speed	x2 Reverse Digital View
VIDEO	
Signal Format	NTSC Color TV System, 1 Track, 28kbyte
Video Input	1 Vp-p, 75 Ohm, unbalanced
Video Output	1 Vp-p, 75 Ohm, unbalanced
S-Video Input	1 Vp-p, 75 Ohm, unbalanced
S-Video Output	1 Vp-p, 75 Ohm, unbalanced
Horizontal Resolution	Over 520 Lines (B/W); Over 520 Lines (Color)
Signal-to-Noise Ratio	Greater Than 48dB
AUDIO	
Input	-8dBs, 22k Ohm, unbalanced, RCA Jack
Output	-8dBs, 1k Ohm, unbalanced, RCA Jack
Microphone Input	-60dBs, 10k Ohm, unbalanced, 3.5mm Mini Jack
TIME/DATE GENERATOR	
1st Line	Month, Day, Year, Weekday, Alarm Count
2nd Line	Hour, Minute, Second, Recording Speed
Format	24 Hours
Battery Backup	30 Days
ALARM COMMANDS	
Input	Ground Contact Closure
Output	+ 5 Volts at 5.7k Ohms
CONNECTORS	
Remote Control	Mini-Phone Jack (3.5mm)
Tape End Out	Screw-Type Terminal Strip (5V DC, 5.7k Ohm)
Switch Output	Screw-Type Terminal Strip (5V DC, 5.7k Ohm)
Timer Output	Screw-Type Terminal Strip (12V DC, 5.7k Ohm)
Warning Output	Screw-Type Terminal Strip (5V DC, 5.7k Ohm)
Eject In/Out	Screw-Type Terminal Strip (Close Contact/5V DC, 5.7k Ohm)
Series In/Out	Screw-Type Terminal Strip (Close Contact/5V DC, 5.7k Ohm)
External Clock In/Out	Screw-Type Terminal Strip (Close Contact/5V DC, 5.7k Ohm)
External Timer In	Screw-Type Terminal Strip (Close Contact)
Video Loss Output	Screw-Type Terminal Strip (5V DC, 5.7k Ohm)
Nonrecord Output	Screw-Type Terminal Strip (5V DC, 5.7k Ohm)
Trigger Shot Record Input	Screw-Type Terminal Strip (Close Contact)
Alarm Reset Input	Screw-Type Terminal Strip (Close Contact)
Common	Screw-Type Terminal Strip (0V Ground)
RS-485 In/Out	RJ-11 Phone Jack
RS-232C	D-Sub 9Pins
SWITCHES	
On/Off Dip Switch Settings	RS-485/RS-232C, RS-485 Termination, RS-485 Address
PHYSICAL	
Dimensions (WxHxD)	16.5" x 5.6" x 11.8" (420mm x 142mm x 299mm)
Weight	15.0 Pounds (6.8Kg)
Operating Temperature	41°F to 104°F (5°C to 40°C)

Specifications subject to change without notice. © 2000 SANYO Security Video

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