

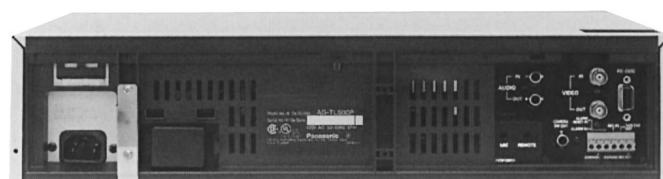
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# AG-TL500 VHS Time-Lapse Video Cassette Recorder (NTSC)

## PRODUCT FEATURES

- Built-in RS-232C interface
- HR (High Response) mechanism assures high reliability
- Diecast aluminum chassis
- Repeat record pass indicator
- Blue screen indication in nonrecording condition
- 2H, 6H, L12H, L24H, 24H, 48H, 72H, 96H, 120H, 168H time modes
- Emergency, alarm and repeat recording
- Weekly timer, daily timer and external timer recording
- Compatible with multiplexer models WJ-FS616 and WJ-FS216 via camera switching pulse output
- Compatible with Proteus Control Systems

The AG-TL500 is a multifunction time-lapse recorder. A full week of recording and playback—168 hours—is possible and includes many advanced features, like a repeat record counter, blue background display for all nonrecording modes and a record double lock. The built-in RS-232C interface allows direct control of the AG-TL500 from the multiplexer model WJ-FS616 or from your PC with optional PFW100 software.



## RECORDING MODES

Rec Mode	Rec Time (Max./Approx.)		Interval	Sound
VHS	2H	2 hrs.	1/60 sec.	Yes
	6H	6 hrs.	1/60 sec.	
Linear Slow	L12H	14 hrs.	1 field/0.12 sec.	
	L24H	26 hrs.	1 field/0.22 sec.	
Time-Lapse	24H	26 hrs.	1 field/0.22 sec.	No
	48H	50 hrs.	1 field/0.42 sec.	
	72H	74 hrs.	1 field/0.62 sec.	
	96H	98 hrs.	1 field/0.82 sec.	
	120H	122 hrs.	1 field/1.02 sec.	
	168H	170 hrs.	1 field/1.42 sec.	

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### GENERAL SPECIFICATIONS

#### GENERAL

<b>Power Source</b>	120VAC $\pm$ 10%, 50/60Hz
<b>Power Consumption</b>	17W
<b>Operating Temperature</b>	41°F–104°F (5°C–40°C)
<b>Operating Humidity</b>	35%–80%
<b>Weight</b>	9.9 lbs. (4.5kg)
<b>Dimensions</b>	3 $\frac{1}{16}$ "H x 16 $\frac{1}{16}$ "W x 11 $\frac{1}{16}$ "D (100 x 430 x 290.5mm)

#### SYSTEM

<b>Television System</b>	EIA standard, NTSC color signal; 525 lines, 60 fields
<b>Video Recording System</b>	4 rotary heads, helical scanning system (VHS mode)
<b>Modulation System</b>	Luminance: FM azimuth recording; Chrominance: converted subcarrier phase shift recording
<b>Audio Track</b>	1 track

#### TAPE TRANSPORT

<b>Tape Format</b>	VHS
<b>Tape Speed</b>	2H mode: 15/16 ips (33.35mm/s)
<b>Record/Playback Time</b>	2/6/L12/L24/24/48/72/96/120/168H with T-120
<b>FF/REW Time</b>	Less than 3 min. with T-120

#### VIDEO

<b>Line In (BNC)</b>	1.0Vp-p, 75 ohms unbalanced
<b>Line Out (BNC)</b>	1.0Vp-p, 75 ohms unbalanced
<b>Horizontal Resolution</b>	280 lines
<b>S/N Ratio</b>	45dB (color/monochrome, 2H mode)

#### AUDIO

<b>Line In (RCA)</b>	-10dBV, 47K ohms unbalanced
<b>Mic In (M3)</b>	-60dBV, 600 ohms unbalanced
<b>Line Out (RCA)</b>	-8dBV, 1K ohm unbalanced

#### CONNECTORS

<b>Terminal Input</b>	Alarm, alarm reset, REC
<b>Terminal Output</b>	Tape end, warning/REC
<b>Camera Switching Output</b>	12V/0V, pulse width: 16.7 msec.
<b>Remote Control</b>	RS-232C I/F

#### OPTIONAL ACCESSORY

<b>AG-A11</b>	Wired remote control
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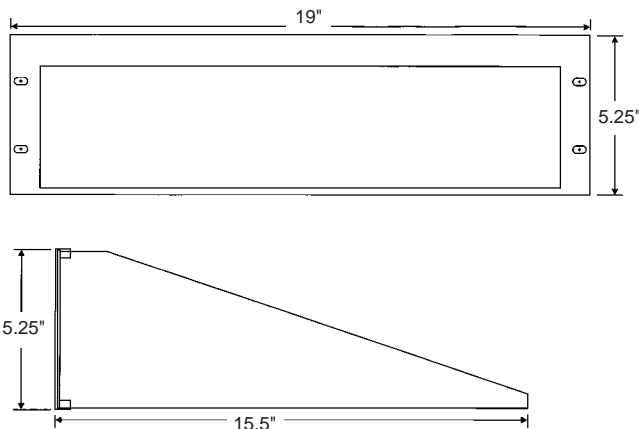
Weights and dimensions shown are approximate.  
Specifications subject to change without notice.

### RACK-MOUNT INFORMATION

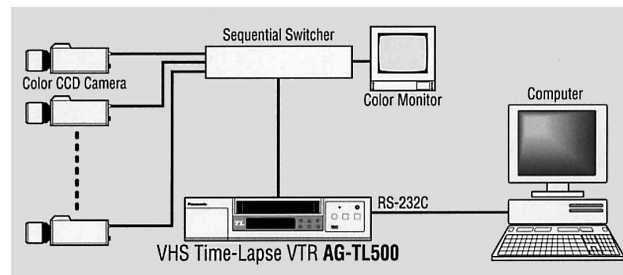
<b>Rack-Mount Accessory</b>	RK-AGTL500RMK* (optional)
<b>Rack Height (EIA) Units</b>	3 units
<b>Dimensions</b>	5.25"H x 19"W x 15.5"D

\*Manufactured by Bi-Tronics, Inc. Tel. (800) 666-0996

Please note this product cannot be ordered from Panasonic Security & Digital Imaging Co.



### SYSTEM CONFIGURATION



### ARCHITECTS' AND ENGINEERS' BID SPECIFICATIONS

The industrial grade time-lapse field recorder shall be a Panasonic Model AG-TL500 or equivalent. The time-lapse recorder shall not be a modified consumer unit. The time-lapse recorder shall be VHS compatible. The time-lapse recorder shall provide on-screen programming. The time and date for display as well as for control of selectable functions shall be generated by a built-in time/date generator. The unit shall display a blue background for all nonrecording modes. The unit shall have a built-in RS-232C interface to make it suitable for use in computer-controlled systems. The unit shall have 3 recording modes: VHS, linear slow and time-lapse. The maximum capacity of the 3 modes, respectively, shall be 6 hours, 24 hours and 168 hours (1 week). The time-lapse mode shall not allow sound recording but the other 2 modes shall. The unit shall include a repeat record pass indicator, to count each complete pass of a tape and indicate when to replace a used tape. The time-lapse recorder shall have connectors for video, audio, camera switchers and other video equipment. The time-lapse recorder shall be capable of controlling the timed switching on a sequential switcher. The time-lapse recorder shall have a record review feature for instant operation check. The time-lapse recorder shall not exceed the following dimensions: 3 $\frac{1}{16}$ "H x 16 $\frac{1}{16}$ "W x 11 $\frac{1}{16}$ "D. Its weight shall not exceed 9.9 lbs. It shall be UL listed.