

Panasonic



AG-RT850

Time-Lapse
Video Cassette Recorder
(NTSC)



High-Density Recording up to 240 Hours and Built-in RS-232C Interface

The AG-RT850 records three times as much information as conventional systems — and does it for up to 240 hours. The Jog/Shuttle dial makes scene searches quick and accurate. The built-in RS-232C interface allows direct control of the AG-RT850 from your PC with user-provided software. Also the advanced Mechanism adds extra reliability to this versatile time-lapse VCR.

RTL
REAL MOTION TIME LAPSE



AG-RT850 Time-Lapse Video Cassette Recorder



Up to Three Times as Much Recorded Information with High-Density Recording of 6H Head

The AG-RT850 offers time-lapse recording using a 6-hour head and records up to three times as much information as conventional systems — and does it for up to 240 hours — great increase in surveillance capabilities.

24-Hour Recording

When using T160 tape, 20 fields per second can be recorded for 24 hours using L18 mode.

Large Choice of Recording Modes

Mode	Tape type		Video recording interval (sec.)	Pictures per second (fields)	Sound recording
	T160	T120			
6 hours	8	6	1/60	60	Yes
L18 hours	24	18	0.05	20	Yes
L24 hours	40	24	0.083	12	Yes
48 hours	-*	48	0.150	6.67	No
72 hours	-*	72	0.217	4.62	No
96 hours	-*	96	0.283	3.53	No
120 hours	-*	120	0.350	2.86	No
168 hours	-*	168	0.483	2.07	No
180 hours	-*	180	0.517	1.94	No
240 hours	-*	240	0.683	1.46	No

*Avoid using 160-minute tapes with any of the modes from 48 hours to 240 hours.

Advanced Z Mechanism

A reinforced capstan motor gives this mechanism the durability it needs for heavy use. Reliability is further boosted by DLC processing, a new low-speed transport design for the time-lapse mode, and an innovative bearing design for the pinch rollers.

Features for Safe Recording

Repeat Record Pass Indicator

The use of worn tapes can cause problems. Each complete tape pass is counted and an indicator alerts when to replace the used tape.

Blue Screen Indication in Non Recording Situation

Dual Rec Lock Function (Rec Lock, Menu)

Tape Remain Warning Alarm • Tape End Alarm

Power Failure Recovery Recording • Error Message

Valuable Recording Features

- Emergency Recording
- Daily Timer Recording
- Alarm Recording
- External Timer Recording
- Weekly Timer Recording
- Repeat Recording

Multiplexer Connection

By using Panasonic (or other compatible) multiplexer, automatic switching is possible, with the timing controlled by the AG-RT850.

Wide range of Convenient Features

Built-in RS-232C Interface

Built-in RS-232C interface makes the AG-RT850 suitable for use in large-scale, computer-controlled systems. All basic operations and status checks can be controlled using the RS-232C interface.

Quick, Accurate Jog/Shuttle Searches

A jog or shuttle function has been added for quickly locating playback sections by using the incorporated search dial.

Shorter FF/REW Times

For greater convenience, the FF/REW time has been decreased — less than 2.5 min. with T120 tape.

- Built-in Time Date Generator
- Summer Time Setting
- Alarm Search, Alarm Recall
- Versatile Playback Function
- Record Review Function
- Quasi-V insertion On/Off
- 1-week Timer Backup
- Hi-Band recording with 300 lines of horizontal resolution in color, and more than 320 lines in black & white.

Easy Mode Setting with On-Screen Display

For easier mode selection, the on-screen menu includes time setting, automatic daylight saving time setting, internal timer recording modes, alarm/emergency recording time mode, and other functions. The time and date for the display and selectable function controls are generated by a built-in time/date generator, and menu settings allow adjustment of display positions in three steps.

MENU-1

(TIME ADJUST) P1
1-01-2000 SAT 0:00:00
7-20-2001 FRI 3:25:00
Note: Seconds are displayed, but not adjustable.

[REC LOCK] MODE: OFF
[HOUR METER] 00000H

MENU-2

[DISPLAY] POSITION: L-UPPER P2
L-UPPER/R-UPPER/L-BOTTOM/R-BOTTOM/CENTER/OFF
[REC INDICATE] NOT REC: CAMERA
CAMERA/BLUE
[BUZZER] ALARM: OFF
TAPES END: OFF
TAPES REMAIN: OFF
ERR WARN: OFF

MENU-3

[ALARM] MODE: OFF P3
DURATION: 30SECC
30SECC/MIN/2MIN/3MIN/5MIN/10MIN/CONTINUE/MANUAL
[RECALL] -
- The date and time, when the ALARM occurred, is displayed
- "Month-Date-Year-Time (0:00)"
- 4 ALARM dates are memorized
- The newest date is displayed on the top
[OUTPUT SELECT] TERMINAL OUT: ERR WARN
ERR WARN/REC

MENU-4

[REC MODE] REC T-MODE: OFF P4
TAPES IN: STOP
TAPES END: STOP
[VIDEO MODE] MODE: AUTO
DETAIL: ON

MENU-5

[INTERNAL TIMER REC] P5
[TIMER] START END T-M
SUN ON 8:00 ▶ 20:00 6
MON OFF
TUE OFF
WED OFF
THU OFF
FRI OFF
SAT OFF
DLY OFF
6/L18/L24/48/72/96/120/168/180/240
(Selectable when timer is set to "ON".)

MENU-6

[DAYLIGHT SAVINGS] P6
MODE: OFF
[START] [END]
WEEK 1ST-SUN ▶ 1ST-SUN
MONTH: 4 ▶ 10
TIME: 2:00 ▶ 2:00
[DIRECT SEARCH] MODE: OFF

MENU-7

[RS-232C PARAMETERS] P7
BIT LENGTH: 7BIT
STOP BIT: STOP-1
PARITY: ODD
BAUD RATE: 9600BPS
[MENU LANGUAGE] MODE: ENGLISH
ENGLISH/FRENCAIS

Specifications

GENERAL

Power Source: 120V AC ±10%, 50/60Hz
Power Consumption: 21W
Operating Temperature: 41°F ~ 104°F (5°C ~ 40°C)
Operating Humidity: 35% ~ 80%
Weight: 8.4 lbs. (3.8 kg)
Dimensions (W × H × D): 16¹⁵/₁₆" × 3¹/₂" × 11⁹/₁₆"
(430 × 86.5 × 293.5 mm)

SYSTEM

Television System: EIA Standard, NTSC Color Signal; 525 lines, 60 fields
Video Recording System: Four rotary heads, helical scanning system
Modulation System: Luminance; FM azimuth recording Chrominance; Converted subcarrier phase shift recording
Audio Track: 1 track

TAPE TRANSPORT

Tape Format: VHS tape
Tape Speed: 6H mode: 7/16 ips (11.12 mm/sec.)
Recording Time Modes: 6/L18/L24/48/72/96/120/168/180/240 hours with T120
FF/REW Time: Less than 2.5 min. with T120

VIDEO

Line In (BNC): 1.0Vp-p, 75Ω unbalanced
Line Out (BNC): 1.0Vp-p, 75Ω unbalanced
Horizontal Resolution: More than 300 lines (color), More than 320 lines (monochrome)
Signal-to-Noise Ratio: 6H mode: 43dB (color), 45dB (monochrome)

AUDIO

Line In (RCA): -10dBV, 47kΩ unbalanced
Mic In (M3): -60dBV, 600Ω unbalanced
Line Out (RCA): -8dBV, 1kΩ unbalanced

CONNECTORS

Terminal Input: Alarm, Alarm Reset, REC
Terminal Output: Tape End, Warning/REC
Camera Switching Output: 12V/0V, Pulse width: 16.7 msec.
Remote Control: RS-232C I/F

OPTIONAL ACCESSORY

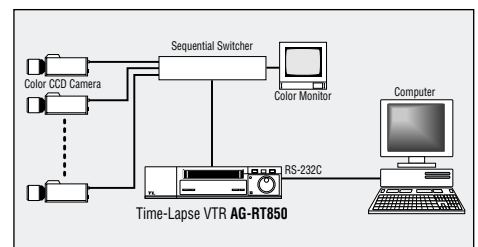
AG-A11: Wired Remote Control

Warning:

Unauthorized recording of copyrighted television programs, films, video tapes and other materials may infringe upon the rights of copyright owners and be contrary to copyright laws.

Weight and dimensions shown are approximate. Specifications subject to change without notice.

This product may be subject to export control regulations.



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