

AG-6740 S-VHS/VHS Time-Lapse Video Cassette Recorder

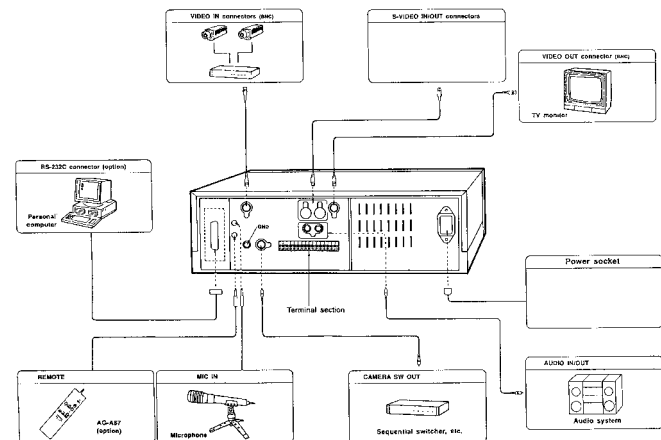
PRODUCT FEATURES

- S-VHS/VHS recording/playback
- IQ (Intelligent Quest) mechanism with separate direct drive brushless motors for each wheel and a 16-bit digital servo
- Offers high density time-lapse recording using a 6-hour head in addition to conventional time-lapse recording with a 2-hour head
- 6H head records up to 3X as much information as 2H head
- Recording time (with T-120)—2H mode: 2/L12/L18/L24/X24/48/72/96/120/180/240/480 hours, 1-shot; 6H mode: 6/24/48/72/96/120/180/240/480/960 hours, 1-shot
- Audio recording: 2/6/L12/L18/L24
- 11.9 fields/second recording in 24-hour mode (up to 3X normal rate of recording)
- Safe recording features: blue screen indicator in none recording situation, repeat time indicator, tape remain warning
- Warning signal output
- Time date generator
- Optional remote control
- Alarm/1-shot/series record
- Automatic recording check
- On-screen display
- Alarm, forward, and reverse search
- Field record/playback
- Security lock
- Error buzzer and error message
- 400 lines horizontal resolution (B/W or color), S-VHS
- Optional RS-232C interface AG-IA671
- 1-month timer back-up
- Daily/weekly timer recording
- Noiseless still

The AG-6740 records 3 times as much information as conventional systems—and does it for up to 960 hours. It also offers a variety of recording modes to meet different needs, including the same linear recording with sound mode available with 2-hour heads. The S-VHS format delivers outstanding picture quality with crisp, clear images, while the IQ mechanism and a host of functions make the AG-6740 an ideal multifunctional time-lapse recorder for heavy-user applications.



EQUIPMENT CONNECTIONS



RECORDING MODES

Head	Rec Mode	Rec Time	Interval	Sound		
2-Hour Head	S-VHS/VHS	2H	2 hrs.	1/60 sec.	Yes	
		Linear Slow	L12H	12hrs.		1 field/0.1 sec.
			L18H	18 hrs.		1 field/0.15 sec.
			L24H	24hrs.		1 field/0.2 sec.
	Time-Lapse	24H	24 hrs.	1 field/0.2 sec.	No	
		48H	48 hrs.	1 field/0.4 sec.		
		72H	72 hrs.	1 field/0.6 sec.		
		96H	96 hrs.	1 field/0.8 sec.		
		120H	120 hrs.	1 field/1.0 sec.		
		180H	180 hrs.	1 field/1.5 sec.		
6-Hour Head	S-VHS/VHS	6H	6 hrs.	1/60 sec.	Yes	
		24H	24 hrs.	1 field/0.1 sec.		
		48H	48 hrs.	1 field/0.15 sec.		
		72H	72 hrs.	1 field/0.2 sec.		
	Time-Lapse	96H	96 hrs.	1 field/0.3 sec.	No	
		120H	120 hrs.	1 field/0.35 sec.		
		180H	180 hrs.	1 field/0.5 sec.		
		240H	240 hrs.	1 field/0.7 sec.		
480H	480 hrs.	1 field/1.35 sec.				
960H	960 hrs.	1 field/2.7 sec.				
1-Shot	000H	000H	1, 2, or 3 min.*			

*Approx. (manual)

**AG-6740 S-VHS/VHS
Time-Lapse Video
Cassette Recorder**

GENERAL SPECIFICATIONS

GENERAL

Power Source	120VAC ±10%, 50/60Hz
Power Consumption	30W
Operating Temperature	41°F–104°F (5°C–40°C)
Operating Humidity	35%–80%
Weight	16.5 lbs. (7.5kg)
Dimensions	4 ¹ / ₁₆ "H x 14 ⁵ / ₁₆ "W x 13 ³ / ₁₆ "D (112 x 380 x 340mm)

SYSTEM

Television System EIA standard, NTSC color signal; 525 lines, 60 fields

Video Recording System 4 rotary heads, helical scanning system (S-VHS/VHS mode)

Modulation System Luminance: FM azimuth recording; Chrominance: converted subcarrier phase shift recording; High density 12 fields/sec. max.
1 track

Audio Track

TAPE TRANSPORT

Tape Format S-VHS/VHS
Tape Speed 2H mode: 1¹/₁₆ ips (33.35mm/s);
6H mode: 3/16 ips (11.12mm/s)

Record/Playback Time
<2H head> (with T-120)
12/18/24 hours (linear slow mode)
2H mode 24/48/72/96/120/180/
240/480H and 1-shot mode
(time-lapse mode)
<6H head> (with T-120)
6H mode 24/48/72/96/120/180/
240/480/960H and 1-shot mode
(time-lapse mode)
Less than 3 min. with T-120

FF/REW Time

VIDEO

S-Video In (4-pin) Y: 1.0V p-p, 75 ohms unbalanced;
C: 0.286V p-p (Burst), 75 ohms unbalanced

Line In (BNC) 1.0V p-p, 75 ohms unbalanced
S-Video Out (4-pin) Y: 1.0V p-p, 75 ohms unbalanced;
C: 0.286V p-p (Burst), 75 ohms unbalanced

Line Out (BNC) 1.0V p-p, 75 ohms unbalanced

Horizontal Resolution VHS: 240 lines (color), 300 lines (monochrome); S-VHS: 400 lines (color/monochrome)
S/N Ratio S-VHS: 46dB (color/monochrome, 2H mode)

AUDIO

Line In (RCA) -10dBV, 47K ohms unbalanced
Mic In (M3) -60dBV, 600 ohms to 4.7K ohms unbalanced
Line Out (RCA) -8dBV, 600 ohms unbalanced
S/N Ratio 43dB (2-hour mode)

CONNECTORS

Terminal Input Alarm, Alarm Reset, 1-Shot Rec., Series Rec., Time Adjust
Terminal Output Alarm Recover, Alarm, Tape End, Warning, Humidity, Rec., Rec. Review, Series Rec., Time Adjust

Camera Switching Output

Timing 1: 5V/0V, pulse width: 4.7msec
Timing 2: 12V/0V, pulse width, 16.7msec
Remote Control Serial (for AG-A67 option)

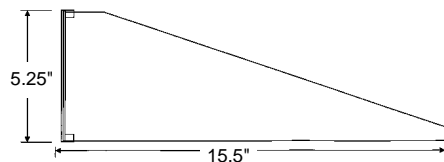
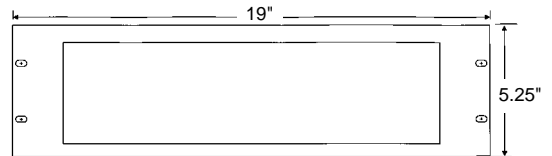
OPTIONAL ACCESSORIES

AG-A67 Remote controller
AG-IA671 RS-232C I/F

RACK-MOUNT INFORMATION

Rack-Mount Accessory RK-AG6740RMK* (optional)
Rack Height (EIA) Units 3 units
Dimensions 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 Video Imaging Systems Co.



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

ARCHITECTS' AND ENGINEERS' BID SPECIFICATIONS

The industrial grade high density time-lapse field recorder shall be a Panasonic Model AG-6740 or equivalent. The time-lapse recorder shall not be a modified consumer unit. The time-lapse recorder shall be VHS and S-VHS compatible. The time-lapse recorder shall be built using a steel chassis with brushless direct drive motors and without belts for tape transport. Tape tension shall be controlled electronically. The recorder shall have a built-in automatic head cleaner. The time-lapse recorder shall deliver a horizontal resolution of more than 400 lines in color and 400 lines in black-and-white (S-VHS). The time-lapse recorder shall provide on-screen programming, shall be programmable without a camera connected and shall provide limited programming on a built-in display without a video monitor. The recorder shall have video heads for high density recording. 24-hour recording mode shall provide no less than 11.9 fields/sec. rate of recording. The recorder shall have a time-lapse recording capability of 960 hours and intermittent, 1-shot recording capability of up to 900 days on a T-120 cassette. The time-lapse recorder shall have 5 alarm recording speeds and an alarm search feature. The built-in time/date generator shall have a 7-day timer and battery back-up of 30 days in case of a power failure. The time-lapse recorder shall have wire terminals for alarm in, alarm out, alarm reset, tape-end out, warning out and 1-shot operation. The time-lapse recorder shall have a record lock feature for security or unwanted tampering. 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 have an electronic hour meter and a precise CTL-type tape reading counter. The time-lapse recorder shall be UL listed.