

FHS-200



FHS-200 Specifications

VIDEO SYSTEM: Full frame 200 fields per second.
Color or black and white.

CAMERA (Model V-12): Color or black and white
2/3" three plumbicon

Lens Mount: Standard "C" mount

Shutter: Variable 1/1000, 1/2500, 1/5000, 1/10,000
second. 1/200 second with shutter locked in
open position

Accessory: A voltage drive for automatic aperture
controlled lenses is optional.

TAPE RECORDER (Model V-34)

Recording Time: 36 minutes with T-120 cassette

Tape Format and Tape: VHS (NTSC), VHS cassette
tape (1/2")

Fast Forward/Rewind: Approximately 4 minutes
with T-120 cassette

Repeat Recording: Sequentially continuous
recording by repeat switch

Remote Control: FAST FORWARD, VARIABLE
SLOW (1-15 field per second), STILL, PAUSE,
AUDIO (dubbing), REVERSE, PLAY, RECORD,
REWIND and STOP

Audio: 2 channel mixable during playback, after
recording, single speaker (pre-amplifier and
microphone not included)

Warm-up Time: 3 minutes (at 20°C)

Horizontal Resolution: Color or black and white —
210/240 lines at center

Scanning Lines: 262.5 lines (200 fields per second),
effective resolution is more than 220 lines

Scene Code Display (ON-OFF): 3 digits numerical
— manual set and automatically increased in
number by Record End and Time Start Signal.
With internal drive: ON (OFF available on
request)
With external drive: Automatically OFF

Time Display (ON-OFF): Minimum time 5 milli-
second (1/200 second) related to each field.
With internal drive: ON (OFF available on
request)
With external drive: Automatically OFF

Wipe Function: For two camera operation. Second
camera picture can be wiped into first camera
picture.

Playback Mode: NORMAL, VARIABLE (1-15 fields
per second), REVERSE (10 fields per second),
STILL, SINGLE FIELD ADVANCE

Tape Counter: Automatic return and stop at zero in
FAST FORWARD and REWIND mode

Cue Signal: Automatic stop at recorded cue signal,
FAST FORWARD and REWIND mode

RATE CONVERTER (Model V-904 NTSC) (V-904P PAL):

Provides automatic conversion of 200 field per
second video input to output in NTSC or RGB 60
field per second. Switch control for freezing two
fields and displaying either one at a time or
superimposing. Automatic output of all 200 fields
when input is in single frame or slow motion
from V-34.

The V-904 rate converter allows the customer to
use existing NTSC or RGB monitors which are
optional with the system.

IRIG DATA RECORD/DISPLAY (Model V-91C):

IRIG is recorded in the picture, may be placed
anywhere in picture with optional keyboard.
Internally generated scene and time code will
be automatically deleted to display external data.
Automatic field/shutter phasing to IRIG. Control
for out-of-field sequencing in 2.5 millisecond
increments, 5 settings with time displayed in 2.5
milliseconds.

SYSTEM ENVIRONMENTS:

Temperature: Operation: 0°C to +40°C, Storage:
-10°C to +60°C

Humidity: Operation: 30% to 80%,
Storage: 0% to 80%

Power: 120 Volt AC $\pm 10\%$, 50/60 Hz; 220/240 Volt
AC 220 $\pm 10\%$, 240 +4% -10%

Specifications subject to change without notice.

Dimensions, Weight and Power Consumption (Approximate)

COMPONENT	DIMENSIONS (mm)			Weight Pounds	VA Power Consumption
	Width	Height	Depth		
V-12 Camera, Color	150	209	447	22	90
V-61 Viewfinder	135	110	300	6.6	24
V-91C IRIG Processor	430*	130	430	21	68
V-51 Power Supply	430*	147	400	27	90
V-34 VTR	430*	385	300	62	110
V-904 Rate Converter	430*	130	430	24	60

* W/O Rack Mount