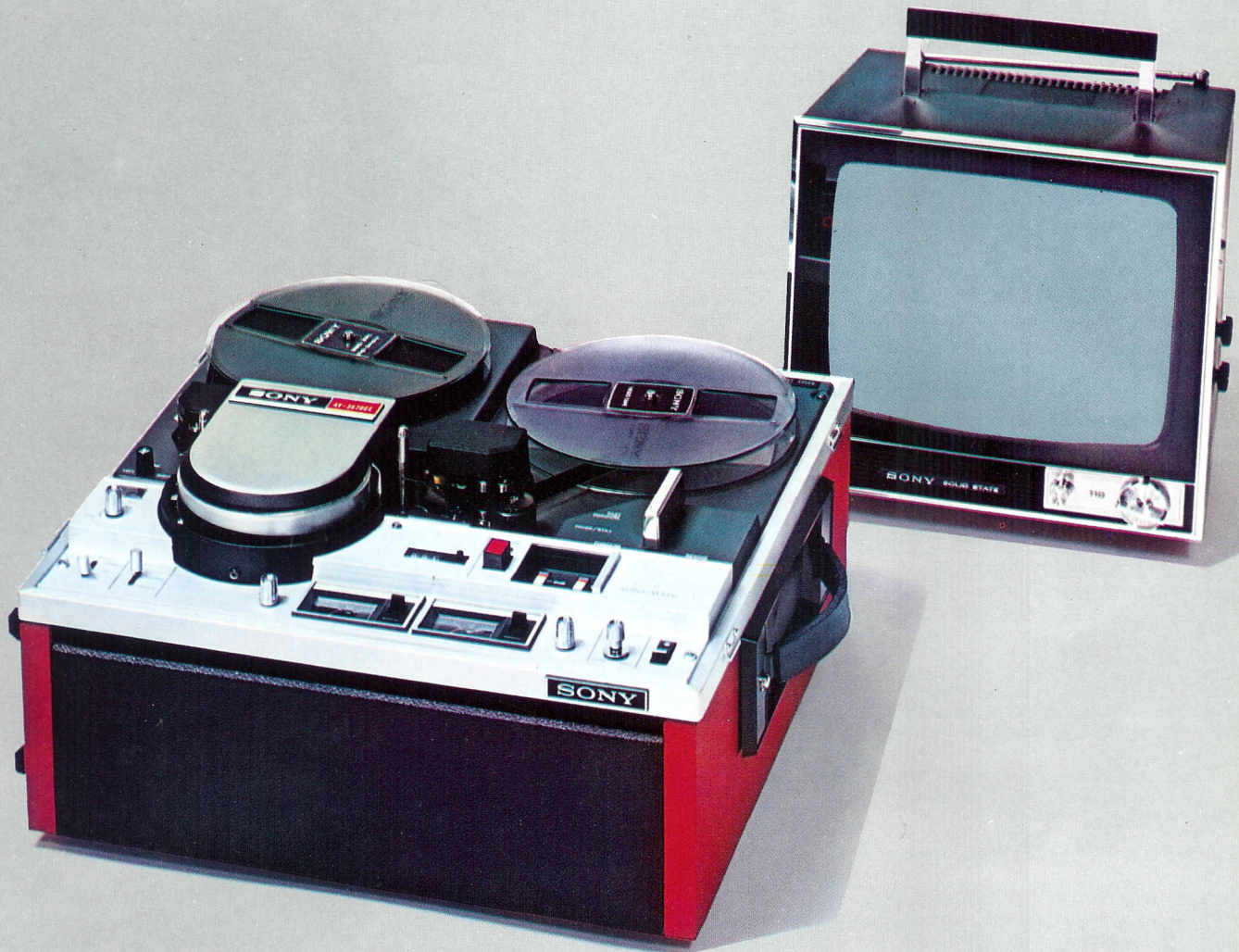


# AV-3670CE

CCIR Standard High Resolution Series



*High resolution of more than 300 lines  
1/2-inch videocorder for electronic editing  
with AGC/manual level control for video and audio, still/slow motion facility*

**Features** ■ **High resolution of more than 300 lines** with use of newly developed High Density Video Tape and precisely designed heads, more than 300 lines of horizontal resolution is assured. So pictures are stable and clear with vivid contrast—a sharply focused, virtually grain-free picture. ■ **Electronic editing system with capstan-servo control** permits synchronized, roll-free video and audio addition or insertion on a prerecorded tape. ■ **AGC/manual recording system** Video and audio recording levels can be controlled both automatically and manually. Video and audio level meters are provided for manual level control. ■ **Variable slow motion/still pictures** ■ **Playback through ordinary TV** with use of RF unit (optional), the recorded tape can be viewed on an ordinary TV screen. ■ **Complete tape interchangeability** with all Sony AV-CE series VTR's ■ **External sync switch** The playback video signal is locked to the



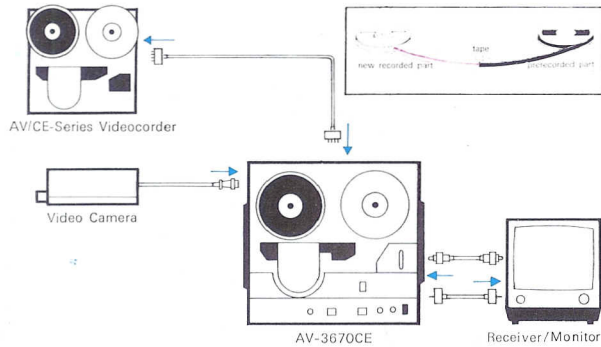
external video signal. By setting the EXT SYNC switch to DEFEAT, the drum servo locks to the AC power line frequency. ■ **Tracking control** maintains accurate rotary head tracking to reduce playback picture interference for reliable tape interchangeability. A tracking meter is provided to indicate optimum tracking. ■ **Skew control** corrects picture distortion at the upper part of the screen by adjusting tape tension. ■ **Audio dubbing facility** ■ **Easy operation**, simple tape threading ■ **Automatic tape-end shut-off mechanism**

Research Makes the Difference

# SONY®

**Electronic editing** with capstan-servo control permits synchronized, roll-free video and audio addition or insertion on a pre-recorded tape.

1. A tape recorded on any AV-CE series videocorder can be edited with video camera signal or TV program through the AV-3670CE.
2. Videocorder-to-videocorder editing is also possible. etc.

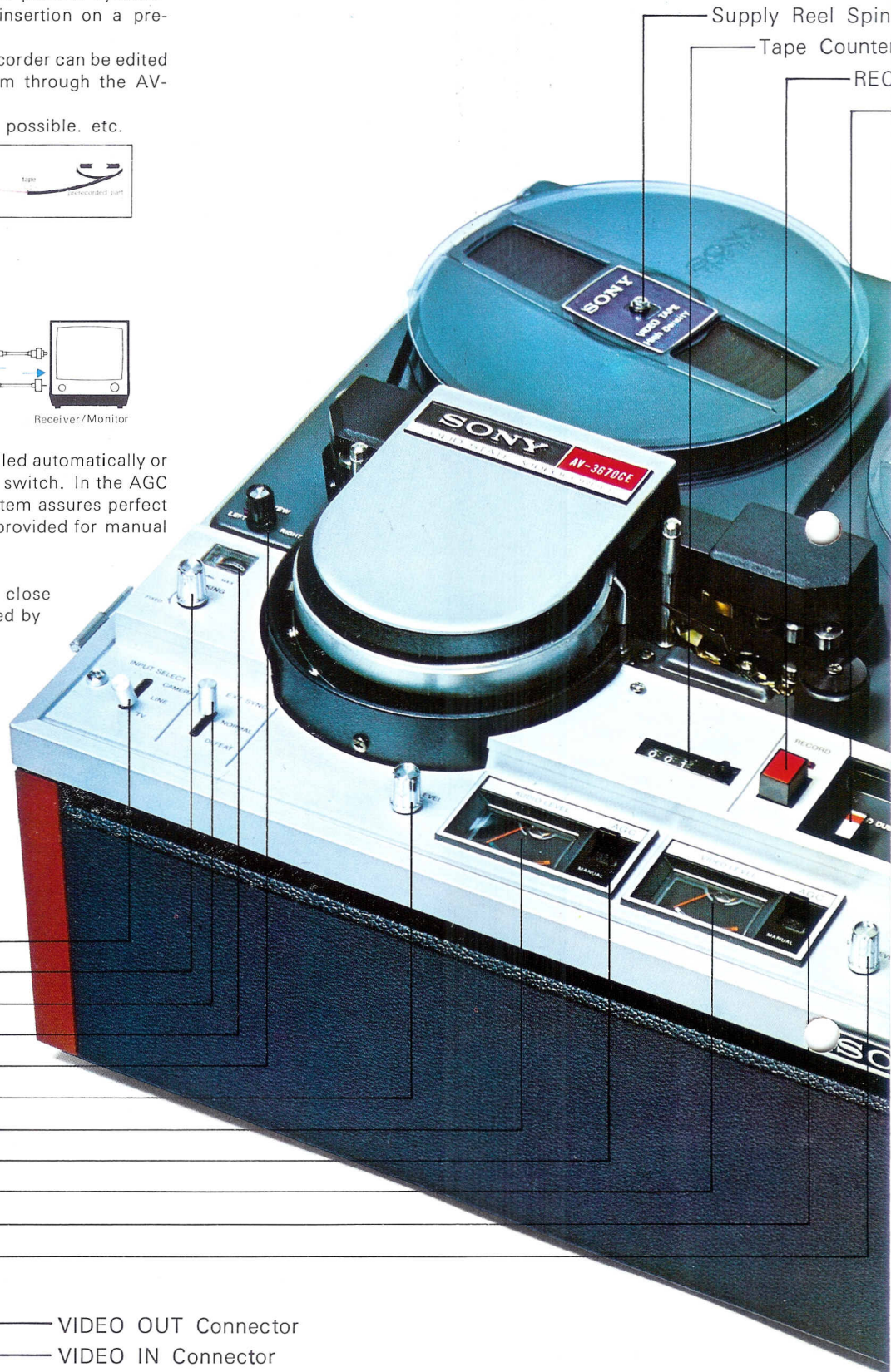


**AGC/manual recording system**

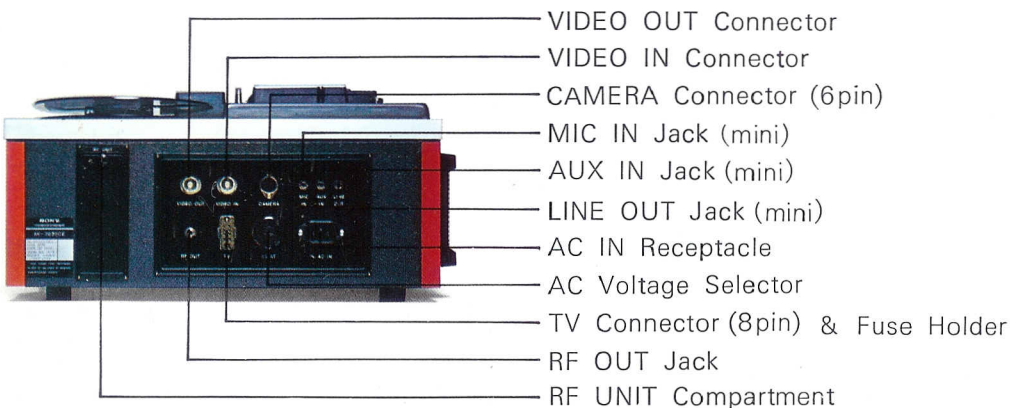
Video and audio recording levels can be controlled automatically or manually by the setting of the AGC/MANUAL switch. In the AGC position, automatic recording level control system assures perfect recording. Audio and video level meters are provided for manual operation.

**Slow motion and still pictures**

Used to slow or stop the playback picture for close examination. A stop-action picture is obtained by setting the Function Selector to PAUSE. For slow-motion picture, pull up the SLOW SPEED control. The desired speed at a variable rate is obtained.



- INPUT SELECT Switch
- TRACKING Control
- EXT SYNC Switch
- TRACKING Meter
- SKEW Control
- AUDIO LEVEL Control
- AUDIO LEVEL Meter
- AUDIO AGC/MANUAL Switch
- VIDEO LEVEL Meter
- VIDEO AGC/MANUAL Switch
- VIDEO LEVEL Control



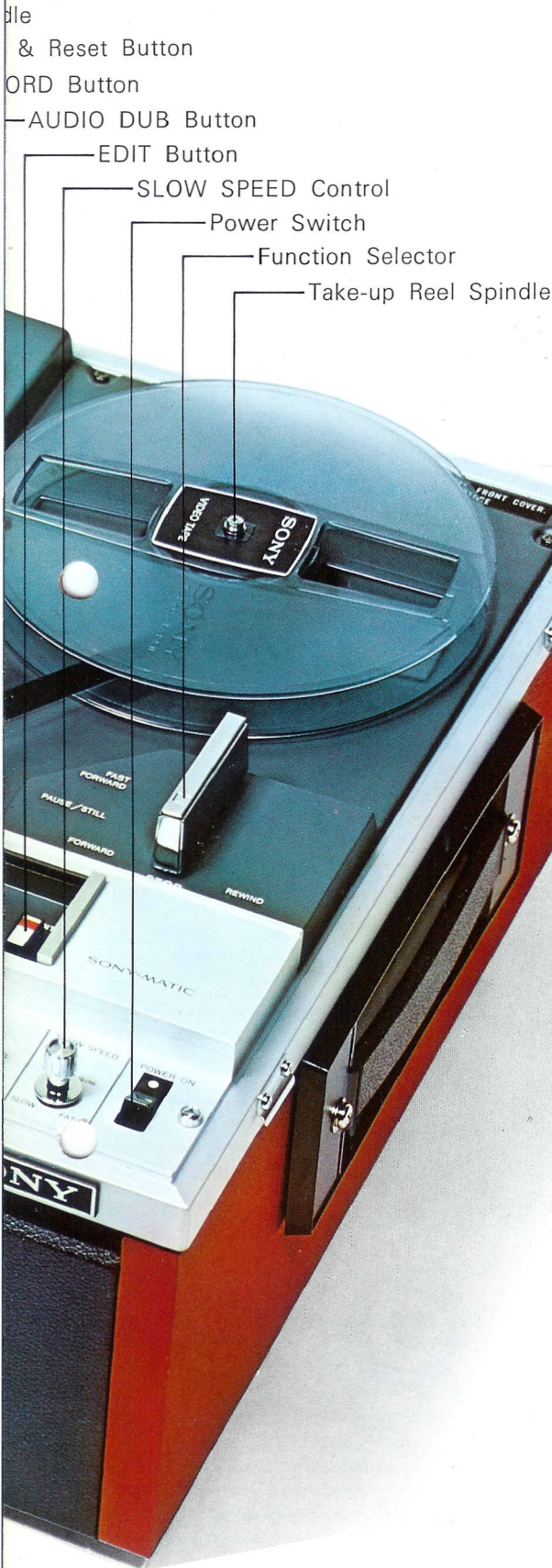
# AV-3670CE

## VIDEO TAPE RECORDER

The AV-3670CE is a compact video tape recorder with capstan servo electronic editing system, a feature ordinarily found in professional 1-inch VTR's. It provides one hour of monochrome recording and playback on 1/2 inch tape and offers automatic control of both video and audio for exceptional ease of recording. However, should manual adjustments be desired, controls and illuminated level meters are provided for both video and audio. Sony's editing system, which operates in the assembly mode, permits the synchronized, roll-free addition of sequences from a variety of sources onto a prerecorded tape. The playback signal from the recorded tape is locked to the incoming sync or composite signal by the capstan-servo system so that editing can be performed without loss of vertical sync. The AV-3670CE's high resolution picture with more than 300 lines can be played back at normal speed, in stop motion or variable slow motion. Its more than 300 line resolution picture is sharply focused, virtually grain-free. Skew and tracking controls are also featured. Another feature permits the addition of audio to prerecorded video. A tracking meter on the front panel indicates maximum RF signal output and facilitates editing. An optional, easily plugged-in RF unit enables playback of pictures and sound through any ordinary TV set.

### AV-3670CE Specifications

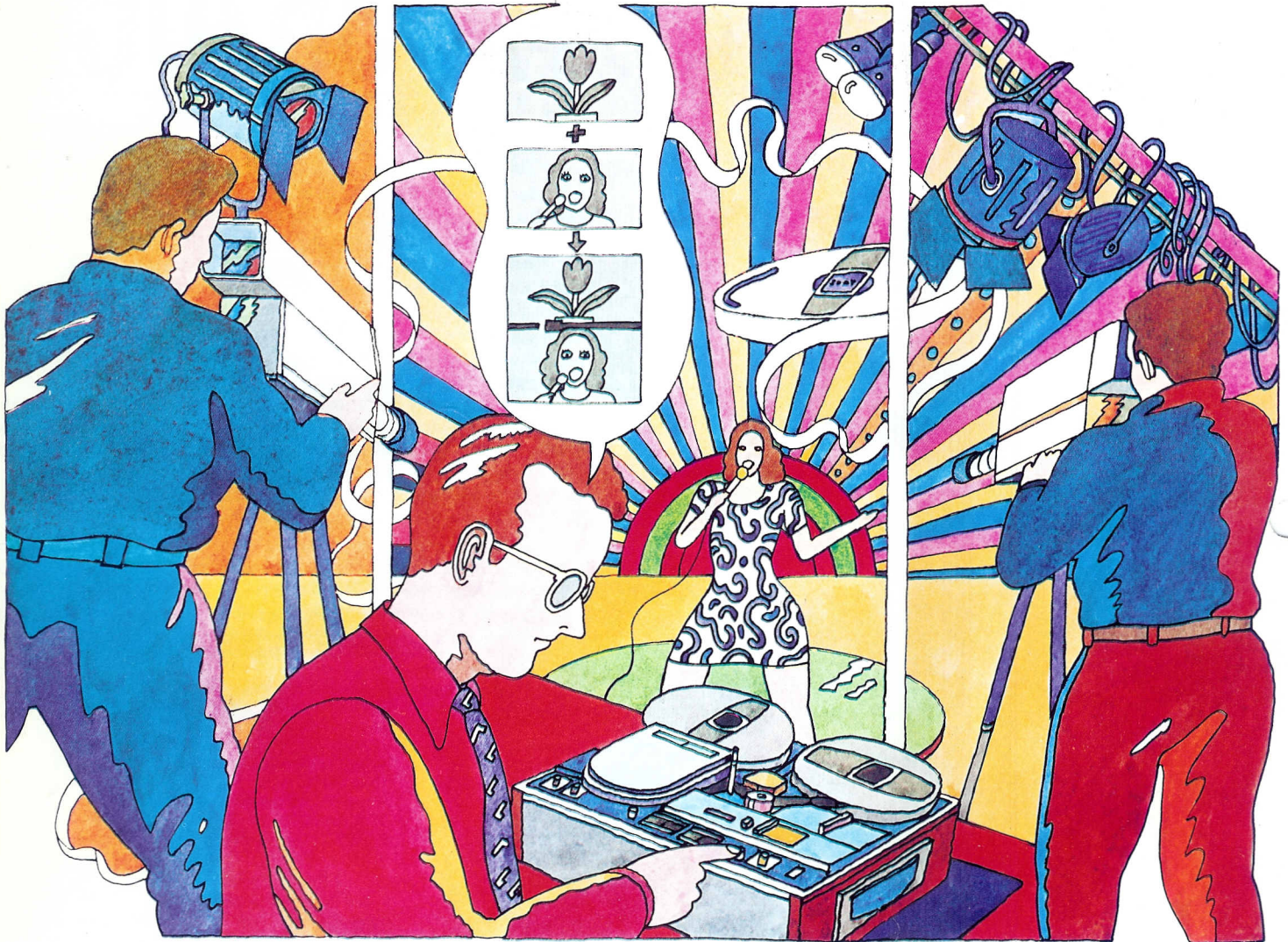
|                         |   |
|-------------------------|---|
| Video recording system: | Rotary two head helical scan, FM recording  |
| Power requirements:     | AC 220 or 240V $\pm$ 20V 50Hz $\pm$ 0.5%<br>(changeable to 110 or 127V)   |
| Power consumption:      | 90W   |
| Dimensions:             | 440(W) $\times$ 236(H) $\times$ 405mm(D) (17 $\frac{1}{2}$ " $\times$ 9 $\frac{1}{2}$ " $\times$ 15 $\frac{1}{2}$ " $\frac{0}{8}$ )     |
| Weight:                 | 19 kg (41 lb 14 oz)   |
| Video signals:          | British TV standards (405 lines)<br>CCIR and OIRT TV standards (625 lines)<br>French TV standards (819 lines), 50 fields                |
| <b>Video signals</b>    |   |
| Input:                  | 0.5 - 2.0Vp-p, 75 ohms unbalanced   |
| Output:                 | 1.0Vp-p, 75 ohms unbalanced   |
| Horizontal resolution:  | more than 300 lines (CCIR TV standard)  |
| Video bandwidth:        | $\geq$ 3.8MHz, -20dB  |
| Signal-to-noise ratio:  | better than 40dB  |
| <b>Audio signals</b>    |   |
| Input:                  | Microphone, -65dB, 600 ohms unbalanced<br>Auxiliary, 0dB, High impedance<br>TV, -20dB, High impedance<br>Line, 0dB, 10k ohms unbalanced |
| Output:                 | 100 - 10,000Hz  |
| Frequency response:     | better than 40dB  |
| Signal-to-noise ratio:  | less than 3%  |
| Distortion:             |   |
| <b>Tape transport</b>   |   |
| Tape speed:             | 163.22mm/sec  |
| Recording time:         | more than 60 minutes with V-62  |
| Operating temperature:  | 0° - 40°C (32° - 105°F)   |
| Supplied accessories:   | Empty reel RH-7V<br>High Density Video Tape V-60E<br>AC power cord<br>8 pin Connector<br>Splicing tape<br>Sony oil<br>Cleaning kit      |



| High Density Video Tape    |  |  |  |       |       |
|----------------------------|---|---|---|-------|-------|
| <b>Model</b>               | V-62  | V-61  | V-60H   | V-60E | V-60D |
| <b>Reel size (inch)</b>    | 7   | 7   | 5   | 7     | 5     |
| <b>Length (m)</b>          | 610   | 310   | 310   | 216   | 216   |
| <b>Playing time (min.)</b> | 60  | 30  | 30  | 20    | 20    |

(Design and specifications subject to change without notice.)

VERSATILE AND WIDE APPLICATIONS



Recommended video equipment

AVC-4600CE



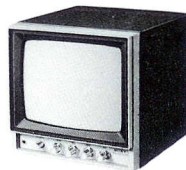
AVC-4200ACE



CVM-110UET



CVM-112UM

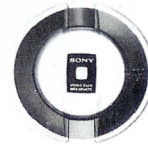


PVM-90CE

Supplied accessories

AC power cord  
Splicing tape  
Sony oil

Cleaning kit  
8 pin Connector



High Density  
Video Tape V-60E



Empty reel  
RH-7V

Use only "V-60 series" High Density Video Tape for high resolution AV-CE series VTRs.