

Panasonic

AG-W3

VHS Hi-Fi Video Cassette Recorder

Worldwide VHS Video Communication



* Not equipped with a TV tuner.

- ***Plays Back and Records in All TV Broadcasting Systems Worldwide***
- ***Multifunction Remote Control Unit With Variable Slow Motion and Jog & Shuttle Search***
- ***TV System Selection With a Single Button***
- ***On-Screen Display in Your Choice of Six Languages***

VHS SQPB
PAL SECAM NTSC

The VHS VTR That Gives You the World

NTSC
PAL
SECAM



Plays Back and Records in All of the World's TV Broadcast Systems

The AG-W3 is your passport to a wide world of video excitement. Thanks to a digital conversion circuit and tape/cylinder speed control circuit, the AG-W3 lets you play back VHS tapes recorded anywhere in the world — whether in PAL, SECAM, NTSC or other broadcast system. You can also record a local TV program into any of the world's broadcast systems. The key is the AG-W3's digital conversion circuit, which converts the scanning lines, field frequency and colour signal to match the desired system.

Multifunction Remote Control with Variable Slow Motion and Jog & Shuttle Search

The AG-W3's wireless remote control gives you fingertip control over functions such as variable slow motion, still picture, frame-by-frame advance, and shuttle search. You can even use the remote control unit to select the TV broadcast system for the tape you want to view or record. You also get full command over such settings and functions as PICTURE (sharp or fuzzy picture control), STROBE (strobe-like frame advance), ART (image contrast adjustment for frame-by-frame advance or strobe playback), and INDEX (high-speed VISS searching).



Shuttle Search Speeds

| | SP mode | LP mode | SLP mode |
|------------------|--------------------------|---------------------------|---------------------------|
| NTSC PAL-M | Up to 9x normal speed | — | Up to 15x normal speed |
| PAL PAL-N | | Up to 15x normal speed | — |
| SECAM MESECAM | | | |

Just Press a Button to Select the TV System

The AG-W3 makes it easy to view a tape recorded anywhere in the world. Insert a recorded tape, and the AG-W3 automatically detects the TV broadcast system and begins playback. All you need to do is select the appropriate setting on the output panel. You can also record a tape into a TV broadcast system other than your local one. For example, you could make a tape for a friend in another country, or make one to view yourself while traveling overseas. To convert the signal for recording, simply press the system buttons for the appropriate input and the desired output.



On-Screen Display in six languages

** SÉLECTION LANGUE **

ENGLISH
DEUTSCH
▶ FRANÇAIS
ITALIANO
ESPAÑOL
JAPANESE

▲▼ MÉMOIRE : (OK)

The AG-W3 speaks your language. Set the on-screen display to whichever of six languages you prefer — English, German, French, Italian, Spanish or Japanese — and enjoy super-easy operation. The AG-W3 also handles video formats used all over the globe, making it the perfect VCR for worldwide use.

Simplified Quasi-Playback (SQPB) of S-VHS Tapes

You can play back S-VHS-format tapes recorded in SP mode by setting the VHS/SQPB switch to "SQPB."

- While SQPB playback lets you view an S-VHS recording, it does not deliver the full original resolution. The AG-W3 cannot record in the S-VHS format.
- Be sure the VHS/SQPB switch is set to "VHS" when you're viewing a VHS recording. The picture quality will suffer if the switch is set to "SQPB."

Hi-Fi Audio and Narrative Recording

In SP mode, the AG-W3 allows recording and playback with outstanding Hi-Fi sound, for tapes in any TV broadcast system. You can also dub over the original audio track, such as for adding narrative to foreign-language tapes. The sound output is controlled via the Audio button on the remote control. Settings include: L (Hi-Fi), R (Hi-Fi), MIX (Hi-Fi + normal), MONO (normal), and LR (Hi-Fi stereo).

- Hi-Fi playback is not possible of tapes recorded in LP or SLP mode.

Other Key Features

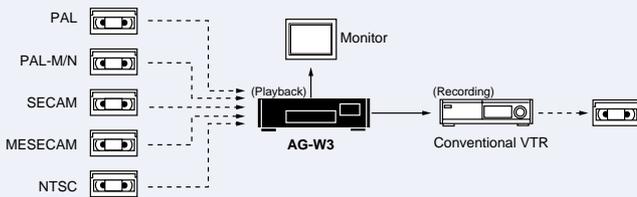
- Detachable power cord
- Two video/audio inputs and outputs
- Front panel input jacks
- Professional BNC video input/output jacks on the rear panel
- Digital tracking
- Light weight, compact size

Meet the AG-W3 — And See the World



Automatic Playback of Tapes Recorded Anywhere

Simply insert a recorded VHS tape, and the AG-W3 automatically detects the broadcast system and tape speed and begins playback. It's also easy to convert a tape while playing it back, and record it onto a second VTR. For example, you could play back a PAL or SECAM tape and at the same time record it on an NTSC VTR, for later viewing in places where NTSC is used.

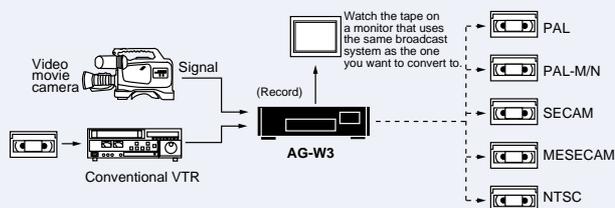


● **Shoot in any country**

● **The tapes can be played back anywhere in the world**

Recording in any TV Broadcasting System — Simply Change the TV Broadcasting System

The AG-W3 lets you convert your videotapes into any TV broadcasting system you choose, for viewing anywhere.



● **Convert the TV broadcasting system**

● **And send tapes to friends or associates anywhere in the world**

■ The World's TV Broadcasting Systems

* The AG-W3 may not be available in some countries due to the regulations.

| | NTSC3.58 | NTSC4.43 | PAL-M | PAL | PAL-N | SECAM | MESECAM |
|--------------------------------|--|--------------|----------------|--------------|---------------------------|-----------------------------|---------|
| Number of scanning lines | 525 | | | 625 | | | |
| Field frequency | 60Hz | | | 50Hz | | | |
| Line frequency | 15.734kHz | | | 15.625kHz | | | |
| Color signal modulation system | Subcarrier suppression quadrature modulation | | | | Frequency modulation (FM) | | |
| Color signal frequency | 3.579545 MHz | 4.433619 MHz | 3.575611 MHz | 4.433619 MHz | 3.582056 MHz | DB:4.25MHz DR:4.40625MHz | |
| Burst signal | Fixed phase | | Inverted by 1H | | | DR:DB alternation | |

Classification of TV systems by country

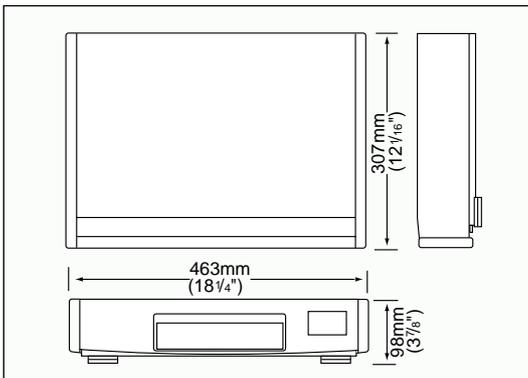
- NTSC 3.58: Korea, U.S., Canada, Japan, Taiwan and Philippines
- NTSC4.43: Pseudo NTSC signal which is made to use the NTSC tape in the Middle East. (The tape is the same as that of NTSC3.58.)
- PAL-M: Brazil
- PAL: U.K., Germany, Western Europe, China and Singapore
- PAL-N: Argentina (The tape is the same as that of PAL.)
- SECAM: France, Eastern Europe and CIS
- MESECAM: The name of a tape which uses the method of recording the SECAM signal. The output signal during playback is of the SECAM system



Specifications

| ■ GENERAL | | | |
|--|---|---|---|
| Power Source | 100 ~ 240V AC, 50/60Hz | | |
| Power Consumption | 20W (Recording), 8W (Power off: 8W) | | |
| Operating Temperature | 5°C ~ 40°C (41°F ~ 104°F) | | |
| Operating Humidity | 35% ~ 80% | | |
| Weight | Approx. 4.7 kg (10.4 lbs.) | | |
| Dimensions (W × H × D) | 463 × 98 × 307 mm (18 1/4" × 3 7/8" × 12 1/16") | | |
| ■ SYSTEM | | | |
| Television System | NTSC/PAL-M color signal (525 lines, 60 fields) | PAL/PAL-N color signal (625 lines, 50 fields) | SECAM/MESECAM color signal (625 lines, 50 fields) |
| Modulation System | FM azimuth recording | | |
| Luminance | Down converted | | 1/4 frequency count |
| Color signal | phase shift recording | | down direct recording |
| Video Recording System | 2 rotary heads, helical scanning system | | |
| Audio Track | 1 track (normal-mono); 1 fixed head 2 channel (Hi-Fi stereo); 2 rotary heads | | |
| ■ TAPE TRANSPORT | | | |
| Tape Format | VHS tape | | |
| Tape Speed | SP: 1 7/16 ips (33.35 mm/s) SLP: 7/16 ips (11.12 mm/s) | SP: 23.39 mm/s LP: 11.69 mm/s | SP: 23.39 mm/s LP: 11.69 mm/s |
| Recording Time | SP: 2-hour with NV-T120 SLP: max. 8-hour with NV-T160 | SP: 3-hour with NV-E180 LP: max. 8-hour with NV-E240 | SP: 3-hour with NV-E180 LP: max. 8-hour with NV-E240 |
| FF/REW Time | Less than 3 min. with NV-T120 | | |
| ■ VIDEO | | | |
| Video In | BNC × 1 (Rear)/RCA × 1 (Front): 1.0Vp-p, 75Ω unbalanced | | |
| Video Out | BNC × 2 (Rear): 1.0Vp-p, 75Ω unbalanced | | |
| Signal-to-Noise Ratio | more than 43dB (SP mode) | | |
| Horizontal Resolution | more than 220 lines (NTSC/SP mode) more than 240 lines (PAL/SP mode) | | |
| ■ AUDIO | | | |
| Audio In | RCA × 1 (Rear)/RCA × 1 (Front): -8dBm | | |
| Audio Out | RCA × 2 (Rear): -8 ±3dBm | | |
| Signal-to-Noise Ratio | 68dB (Hi-Fi), 37dB (Normal) | | |
| Frequency Response | 20Hz ~ 20kHz (Hi-Fi), 100Hz ~ 8kHz (Normal/SP mode) | | |
| ■ STANDARD ACCESSORIES | | | |
| Wireless Remote Control (Battery included), A/V RCA Cables & BNC Connector × 1 each, AC Power Code | | | |

Dimensions



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.

This equipment may not be available in some countries due to the regulations.

Panasonic

Matsushita Electric Industrial Co., Ltd.
AVC Company, Broadcast Systems Division

2-15 Matsuba-cho, Kadoma, Osaka 571-8503 Japan
Tel. 81-6-6901-1161 Fax. 81-6-6908-5969
www.panasonic.co.jp/bstd

Argentina Tel. 54-11-4308-1610
Australia Tel. 61-2-9887-6222
Austria Tel. 43-1-61080-773
Bahrain Tel. 973-252292
Belgium Tel. 32-2-481-0481
Brazil Tel. 55-11-889-4000
Canada Tel. 1-905-624-5010
Chile Tel. 56-2-555-5530
China Tel. 86-10-6836-4882
86-10-6515-8828
Czech Republic Tel. 42-02-2166-4120
Denmark Tel. 45-43-200-853
Egypt Tel. 20-2-3938151
Finland Tel. 358-9-521-5253
France Tel. 33-14964388
Germany Tel. 49-611-18160
Greece Tel. 30-1-9899300
Hong Kong Tel. 852-2313-0888

Hungary Tel. 36-1-344-2614
Indonesia Tel. 62-21-801-5666
Tel. 62-21-385-9449
Iran Tel. 98-21-2271463
Italy Tel. 39-2-67881
Jordan Tel. 961-6-586-1914
Kuwait Tel. 965-481-2123
Lebanon Tel. 961-1-216827
Malaysia Tel. 60-3-755-0511
60-3-757-6622
Mexico, D.F. Tel. 52-5-488-1000
Netherlands Tel. 31-73-6402-505
New Zealand Tel. 64-9-272-0100
Norway Tel. 47-22916800
Pakistan Tel. 92-21-455-5766
Panama Tel. 507-229-2955
Peru Tel. 51-145-29470
Philippines Tel. 632-633-6163

Poland Tel. 48-3912-3173
Portugal Tel. 351-1-424-8660
Puerto Rico Tel. 1-787-750-4300
Russia Tel. 095-258-1048
Tel. 095-795-0424
Saudi Arabia Tel. 966-1-465-0709
Singapore Tel. 65-843-7691
South Africa Tel. 27-11-313-1400
Spain Tel. 34-3-425-9300

Sweden Tel. 46-8-680-8238
Switzerland Tel. 41-41-259-9090
Taiwan Tel. 886-2-2725-9731
Thailand Tel. 66-2-731-9813
Turkey Tel. 90-216-416-0150
U.A.E. Tel. 971-4-282201
U.K. Tel. 44-118-902-9210
U.S.A. Tel. 1-323-436-3500



Certificate No. EC95J1010

ISO9001 / BS5750 : PART 1
FM No. 28369