



VCR Features

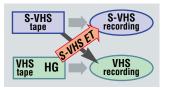
High Resolution Super VHS with DigiPure Technology



To maximize Super VHS's over 400 lines of horizontal resolution, JVC's DigiPure Technology improves picture quality, including a digital frame memory to make the following 3-D technologies possible:

- Digital Wide TBC (Time Base Corrector) digitally removes jitter from fluctuating video signals to boost stability.
- Precision 3-D Color Circuit for clear color separation without color bleeding.
- Digital 3-D YNR/CNR removes fine dustlike noise (YNR) and uneven color noise (CNR)
- Precise Digital 3-D Y/C Separation reduces dot interference at image borders and improves the S/N ratio.
- Digital R³ applies edge correction to the luminance signal to enhance detail.

Super VHS ET (Expansion Technology)*



Lets you record high-resolution Super VHS signals on the more widely available VHS tapes (high grade recommended), thus delivering an over-60% boost in horizontal resolution at the touch of a button. * Depending on tape quality some noise may appear when viewing EP recordings.

Special Effects Playback with 4MB Frame Memory

- 1.5x Playback lets you speed up your viewing to reduce a 1-hour program to 40 minutes with a noiseless picture. (Audio is not played back.)
- Smooth Slow Motion lets you take a closer, distortionless look at those close calls and great plays.

Video Navigation System Information on the programs you record is stored in VCR's internal memory - about 2000 titles! So, to watch something you've recorded, just browse through the program lists - these can be listed by the tape number assigned to each cassette, date of recording, or program category (like movies, sports, news, etc.).

Easy Programming Options

Three programming functions to simplify timer recording.

- VCR Plus+ for instant timer programming just by inputting a PlusCode™ number. You won't have to go through a lengthy set-up process either, since VCR Plus+ Guide Channels are set "on-the-fly" while vou program *
- Express Programming for easy manual timer setting just by following a single row of buttons on the remote.
- 24-Hr. Quick Programming for simple timer setting of a program within 24 hours by push-and-turning the Advanced Jog dial.

Either way you go, you get worry-free timer recording because the Permanent Program function keeps programmed timer information in the deck's memory even if power is interrupted. You won't have to re-program the timer after a power outage! * For some models, send in a coupon to get a free infrared cable box controller for timer-recording of cable programs

And Much More

Conventional Progressive Image Processing

Digital Direct Progressive Image Processing

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2/3 ulidov

JVC's Original 1-Chip Video De

525P/24 4:4:4 27MHz Video Data

DVD Features

525P/24 4:2:2

MPEG

525P/24 4:2:2 13.5MHz

MPEG

- Hi-Fi VHS Steren with MTS Decoder for maximum sound impact and recording of stereo/SAP TV broadcasts.
- Active Video Calibration automatically calibrates tape quality and measures video head condition to optimize long-term picture performance.
- Picture Control lets you choose from 4 different settings to best match the material you are viewing (AUTO, EDIT, SOFT, SHARP)
- Pro-cision 19µ Heads reduce crosstalk and improve EP playback picture
- Insert Editing with Flying Erase Head replaces the original picture without affecting the sound, with
- glitch-free transition points between recordings. Audio Dubbing enables you to dub your own soundtrack
- over the original sound (monaural linear track) while leaving the picture as it is.

525P/60 4:2:2 13.5MH

Vers I SI

ier LSI

525P/60 4:4:4 27MH Video D-1

2-Times Digital Filte

Video DAC LSI

2-Times Digital Filt

10-bit 27MHz Video DAC

10-bit 54MHz Super High mpling Video DAC

Advanced Jog Dial on VCR Everything from frame-by-frame playback to variable-speed search and slow motion, pause are precisely controllable by push-and-turning operation of the Jog Dial right on the front of the VCR. And 24-Hr. Quick Programming function offers simple timer setting.

Plug & Play

Simply hook up the antenna and plug in the VCR! You get...

- Auto Clock Setting, including current time and date, as well as biannual Auto Davlight Saving Time adjustments.
- Auto Tuner Setting to lock-in all receivable channels in your area.

With JVC, getting your VCR up and running is as easy as Plug & Play!

SQPB (S-VHS Quasi Playback)

Allows VHS VCR to play back a tape recorded in Super VHS, with regular VHS resolution. It is a convenient way to watch tapes recorded using an S-VHS deck or camcorder.* * This function does not deliver Super VHS resolution.

Multi-Brand TV/Cable/DBS Compatible Remote with Glow Keys lets you control your VCR, TV, cable box or satellite (DIRECTV and DISH Network™) receiver using a single hand unit*, even in darkened rooms with its glow-in-the-dark buttons.

- Shuttle Plus for control of variable high-speed playback, slow motion, frame advance and on-screen menu operation with a touch-pad on the remote. • Auto SP \rightarrow EP Timer Recording automatically switches
- from SP to EP to fit the entire program on the tape. Rec Link enables the VCR to automatically turn on and record a program when a connected satellite receiver or cable box turns on**.
- Child Lock lets parents disable VCR operation while they're away.

* For compatible brands please consult your JVC dealer ** External unit must be equipped with time

Video Output

Video

192kHz/24-bit, P.F.M. D.D. Converter

DVD Audio offers a 192kHz/24-bit format for the highest fidelity consumers have ever experienced. For perfect compatibility with the new format's high specs, the XV-FA900BK/902SL and XV-SA600BK/602SL come with a 192kHz/24-bit P.E.M. D.D. audio converter, an 8-times oversampling digital filter and an exclusive 4th-order noise sharper to effectively shift noise from the audio range.

DVD Audio is the Global Standard DVD Audio is the global standard created in conjunction with the ISC (International Steering Committee), three international record industry associations (RIAA, RIAJ and

IFPI), five major international home entertainment software makers, and hardware and software makers in the world.

Superior advantages include:

- 1. Specifications that far exceed those of Audio CD: The highest-quality stereo sound reproduction with a dynamic range of 144dB using a high 192kHz sampling frequency and a high 24-bit rate
- 2. Realistic multi-channel sound: Six channels of sound sampled at 96kHz and quantized with 24 bits for totally discrete multichannel digital sound.
- 3. Versatile interactive options: Moving pictures, browsable information, more.

Digital Direct Progressive Scan Output

Direct conversion of NTSC DVD's 24 fps (frames per second) into double-density progressive 60 fps allows natural and smooth images with less noise and higher resolution. No Frame Blending occurs for blur-free images.

High-bit (10-bit)/Super High Sampling (54MHz) Video D/A Converter

Additional bits and a super high



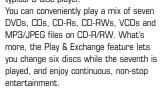
colors when you view DVD movies.

Versatile VFP

(Video Fine Processor) With seven parameters to adjust (gamma curve, brightness, contrast, color, tint, sharpness and Y delay), the processor gives you the exceptional versatility to control images, according to your personal preferences.

Innovative 7-disc Carousel Changer

The XV-FA900BK/ 902SL is a compact, space saving 7-disc carousel changer no larger than a typical 5-disc player.



3D-PHONIC for Virtual Surround Sound

Enjoy 3-dimensional theater sound from just two speakers up front. JVC 3D-PHONIC is ready for Dolby Digital as well as Dolby Pro Logic.

Note: Some CD-R, CD-RW (Linear PCM/MP3/JPEG/ SVCD/VCD) discs, as well as some DVD-R discs, may not be played properly depending on their condition.

Feature Checklists

Camcorder	GR-DV3000	GR-DVP7	GR-DVM96	GR-DVM76	GR-DVL920	GR-DVL820	GR-DVL725	GR-DVL720	GR-DVL520	GR-DVL320	GR-DVL120	GR-SXM740	GR-SXM340	GR-SXM240	GR-AX97
Format	DV	Super VHS	Super VHS	Super VHS	VHS										
No. of Pixels in CCD	1330K	1020K	1020K	680K	1020K	1020K	1020K	680K	680K	680K	680K	270K	270K	270K	270K
Optical Zoom Ratio	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	10:1	16:1	16:1	16:1	16:1	16:1
Digital Hyper Zoom	300:1/40:1	200:1/40:1	200:1/40:1	200:1/40:1	700:1/40:1	700:1/40:1	700:1/40:1	700:1/40:1	700:1/40:1	700:1/40:1	700:1/40:1	600:1/50:1	600:1/50:1	600:1/50:1	600:1/50
Max. Shutter Speed (sec.)	1/4000	1/4000	1/4000	1/4000	1/4000	1/4000	1/4000	1/4000	1/4000	1/4000	1/4000	1/2000	1/2000	1/2000	1/2000
Super High-Band Processor	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
HG Digital Still	•	•	•	•	•	•	•	•	•						
Digital Photo Capture										●a		●a	●a		
SD Memory Card/ MultiMediaCard Compatibility	•	•	•	•	•	•	•	•	•						
Web Camera Function	•	•	•		•										
MP3 Digital Sound Effects	•	•	•												
MPEG-4 Email Video Clip	•	•	•		•										
NightAlive	•	•	•	•	•	•	•	•	•	•	•	•	•		
USB Terminal	•	•	•	•	•	•	•	•	•						
Analog Input	•				•	•									
DV In/Out Terminal	•	•	•	•	•	•	•	•	•	•	•				
PC Terminal (RS-232C)										•		•	•		
Built-in Auto Light					•	•	•	•	•	•		•	•	•	
Built-in Flash			•	•											
Info Shoe	•	•													
Digital Effects Playback	•	•	•	•	•	•	•	•	•	•	•	•	•		
Ramdom Assemble Editing	●b	●b	●b	●b	●b	●b	●b/c	●b	●b/c	●b/c					
Color Viewfinder	•	•			•										•
LCD Swing Monitor	●d	●d	•	•	•	•	•	•	•	•	•	•	•	•	
Picture Stabilizer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Digital TBC and CNR												•	•	•	•
Snapshot Mode	•	•	•	•	•	•	•	•	•	•	•	•	•		
Digital Special Effects	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Digital Wipes/Fades	•	•	•	•	•	•	•	•	•	•	•	●e/f	●e/f	●e/f	●e/f
Built-in Battery Charger			•	•	•	•	•	•	•	•	•	•	•	•	•
Animation/Timelapse	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/-	•/•	•/•	•/•	•/•
Super LoLux												•	•	•	•
Audio Dubbing/Insert Editing	•	•	•	•	•	•	•	•	•	•	●c				
Provided Remote Control	€g	€g	€g	€q	€g	€g	•	€g	•	•					

• = Yes (a) With Digital Photo Navigator; (b) With digital effect/scene transition selection; (c) Using optional Multi Brand Remote; (d) Polycrystalline Silicon TFT active matrix monitor; (e) Wipe by black screen only; (f) Black and Mosaic Fader only; (g) Multi Brand Remote

VCR	HR-S9911	HR-S5911	HR-S5901	HR-S3911	HR-S3901	HR-S2901	HR-J691	HR-A591	HR-FS1	HM-I	HDS1	HR-I	DVS3
Format	S-VHS	S-VHS	S-VHS	S-VHS	S-VHS	S-VHS	VHS	VHS	VHS	MPEG 2	S-VHS	Mini DV	S-VH
Head Configuration	DA-4 + HiFi		DA-4 + HiFi	DV2	DA-4 HiF								
Hi-Fi Stereo/MTS Decoder	•	•	•	•	•	•	•	•	•		•	PCM Digital	٠
Super VHS/Super VHS ET	•	•	•	•	•	•					•		٠
Special Effects Playback	●a												
Video Navigation	•												
Internal 40GB Hard Disk Drive										•			
Live Memory										•			
One-Touch Dubbing												Both	ways
Random Assemble Editing										HD S-VH	ID→ S/VHS	DV-	VHS
VCR Plus+ with Cable Box Control	•	●b	●b	●b	●b				●c		•		٠
Active Video Calibration	•	•	•	•	•	•					•		•
Plug & Play	•	•	•	•	•	•	•	d	•		•		٠
Picture Control	•	•	•	•	•	•	•		•		•		٠
Advanced Jog Dial on VCR	●e	●e	●e	●e	●e								٠
Auto SP→EP Timer Recording	•	•	•	•	•	•	•		•		•		٠
Express Programming	•	•	•	•	•	•	•		•		•		٠
Flying Erase Head/Insert Editing	•	•	•								•		٠
Audio Dubbing	•	•	•								•		•
Shuttle Plus	•	•	•	•	•	•	•		•		•		٠
Multi-Brand Remote													
TV/Cable Box/DBS Box with Glow Keys	•	•	•	••	•				•		•	with Jog	•
Full-Function Remote						•	•	•					
SQPB							•	•	•				
Gold-Plated Front AV Inputs	•	Silver	-				•						
Child Lock	•	•	•	•	•	•							
AV Compu Link	•	•	•	•	•								
Tape Position Indicator	•	•	•	•	•	•	•		•		•		•
1-Year/8-Event Timer	•	•	•	•	•	•	•	●f	•	•	g		•
Slow Motion	•	•	•	•	•	•	•	•	•	•	•		•
Skip Search	•	•	•	•	•	•	•		•	•	•		•
Repeat Playback	•	•	•	•	•	•	•	•	•	•	•		•
Rec Link	•	•	•	•	•					•			
Surge Protection Circuitry	•												
J - Terminal	•												

010	900BK	600BK	500BK	400BK	300BK	1111-1101
MECHANISM/SERVO						
Туре	7-Disc Carousel, Play & Exchange	Single	Single	Single	Single	Single
<playable formats=""></playable>						
DVD-Audio	•	•				
DVD-Video	•	•	•	•	•	•
DVD-R	•	•	•	[[
CD	•	•	•	•	•	٠
SVCD/VCD	•	•	•	•	•	(VCD)
CD-R/RW	•	•	•	•	•	•
MP3 (CD-R/RW)	•	•	•	•	•	•
JPEG (CD-R/RW)	•	•	•			
AUDIO						
Audio D/A Converter (P.E.M. D.D. Converter)	192kHz/ 24-bit	192kHz/ 24-bit	192kHz/ 24-bit	192kHz/ 24-bit	96kHz/ 24-bit	96kHz/ 24-bit
Dolby Digital/ DTS Decoder Built-in	•	•				
3-D PHONIC	•	•	•	•	•	
Spatializer						•
VIDEO						
Progressive Scan Output	•	•	•			
Video D/A Converter	10-bit/54MHz	10-bit/54MHz	10-bit/54MHz	10-bit/27MHz	10-bit/27MHz	10-bit/27MH
VFP (Video Fine Processor): Number of Parameters	7	7	7			
THEATER Position: Number of Steps				3	3	
RESUME/DIGEST/STROBE/ ANGLE LIST	•	•	•	•	•	
ZOOM Play	●(13 Steps)	 (13 Steps) 	●(13 Steps)	•	•	•
TERMINALS						
<video out=""> Component/S-Video/Composite RF Output</video>	•(Gold)	•(Gold)	•	•	•	•
<audio out=""></audio>						
Front L/R	•(Gold)	•(Gold)	••	•	••	•
Center, Rear L/R, Subwoofer	●(Gold)	●(Gold)			L	
Optical Digital Out	•	•	•	•		•
AV Compu Link	•	•	•	•		
GENERAL						
<on-screen display=""></on-screen>						
GUI (Graphical User Interface)	⊢	••	•	ļ	L	
On-Screen Language	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa
Remote	└ ── ● ───	••	•	••	└ ── ● ───	••
Multi-Brand	••	••	••	••	L	
Glow	•	•	•	•		1

DVD XV-FA902SL/ XV-SA602SL/ XV-S502SL/ XV-S402SL/ XV-S302SL/ HR-XVC1

= Yes (a) 1.5x Playback and Smooth Slow Motion; (b) Cable Box Control Ready; (c) Without Cable Box Control; (d) Auto Tuner Pre-set; (e) With 24 Hr. Quick Programming function; (f) 1-Month/8-Event Timer: (g) 1-Year/16-Event Timer

JVC are officially accredited for their Quality Systems (ISO9001) and Environmental Management Systems (ISO14001).

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More information on features marked with "*" can be found inside this brochure.

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