



AVID EDITING PRODUCTS & **JVC ProHD CAMERAS** COMPATIBILITY CHECKLIST

TESTED JVC CAMERAS & DEVICES

The following JVC ProHD cameras have been tested with Avid editing products:

- JY-HD10U
- GR-HD1U
- CU-VH1U
- GY-HD250U
- GY-HD251U/E
- GY-HD200U
- GY-HD201U/E
- BR-HD50U

COMPATIBLE AVID PRODUCTS

JVC ProHD cameras are supported by the following Avid editing systems:

- Avid Media Composer® software
- Avid Media Composer Adrenaline™
- Avid Media Composer Mojo DX
- Avid Media Composer Nitris® DX
- Avid NewsCutter® software
- Avid NewsCutter Adrenaline
- Avid NewsCutter Nitris DX
- Avid NewsCutter Mojo DX
- Avid Symphony™ Nitris
- Avid Symphony Nitris DX

For the latest information, check out a complete [list of supported devices](http://avid.com) at avid.com

FORMAT SUPPORT

JVC's ProHD cameras support SD via DV format recording and HD via HDV format recording. Media Composer, NewsCutter and Symphony Nitris systems support all SD DV formats, as well as the following HD formats:

JVC Format	Resolutions	Actual Format/Rate	Avid Project Type
720p30	HDV	720p/29.97	720p/29.97
720p24	HDV	720p/23.976	720p/23.976
720p25	HDV	720p/25	720p/25
720p50	HDV	720p/50	720p/50
720p60	HDV	720p/59.94	720p/59.94



AVID EDITING PRODUCTS & JVC HVD CAMERAS

AVID WORKFLOW BENEFITS

- **Native HDV support.** Native editing and playback of HDV material means no transcoding and no quality loss.
- **Avid Open Timeline.** HDV material can be mixed with SD material in the same timeline, in real time, as well as with any other HD material that uses the same time base. (Common frame rates and rasters are required for mixing different formats and codecs.)
- **Smart Splicing.** Only material that has been altered in the edit is re-rendered for output, along with a small number of frames on either side of each cut point, dramatically reducing render times on output.
- **Avid DNxHD encoding.** Mix and match HDV with mastering-quality Avid DNxHD[®] encoded media. Avid DNxHD encoding can be used to render multi-layer composites and import animations, overcoming the quality issues of editing with HDV media.
- **Thin Raster Support.** Maximize performance for editing and playback using the native raster size for HDV (1440x1080) with simultaneous full raster output via HD-SDI.*

SAMPLE WORKFLOW

- Footage is captured at 720p30 to a JVC HD-100 camera
- 4:3 SD stock footage is also used in the project
- Client approval is via Windows Media HD clip
- Personal Archive to HDV tape
- Final delivery is to HDCAM and SD DVD

1. Create an Avid 720p/29.97 HDV project on the Avid Media Composer system.
2. Connect the camera to the Avid system via FireWire (IEEE-1394)
3. Capture the desired clips via the Capture Tool.
4. Edit the Sequence
 - a. Mix HDV clips with NTSC clips on the Avid timeline in real time.
 - b. Use the reformat effects to reformat the SD 4:3 for a 16:9 delivery
 - c. Any titles and graphics will be created using high-quality Avid DNxHD encoding.
 - d. SD clips will be automatically rendered to Avid DNxHD for final output
5. Output the final sequence via the following:
 - a. Output a WM9 (VC-1) HD file from "File > Export > Windows Media"
 - b. Output an HDV Archive back to camera "Output > Export to Device > HDV"
 - c. Output to HDCAM via HD-SDI on an Avid Media Composer Mojo DX system or Avid Media Composer Nitris DX system.
 - d. Output an SD DVD compliant MPEG for authoring
 - i. Change the project format tab to NTSC 30i
 - ii. Duplicate the HD sequence; load the duplicated sequence into the record monitor
 1. Transcode/Render sequence to SD.
 2. Use QT ref as input to the authoring application such as Avid DVD by Sonic.
 3. Use 16:9 in MPEG encoder for proper aspect ratio

*Full resolution output with Avid Adrenaline hardware requires a transcode to Avid DNxHD media

Corporate Headquarters
800 949 AVID (2843)

Asian Headquarters
+ 65 6476 7666

European Headquarters
+ 44 1753 655999

