

SONY



DCR-DVD301

DVD Handycam® Camcorder

worryfree**digitalvideo**™

Sony. Engineered to be effortless.



FEATURES

1.0 Megapixel Advanced HAD™ CCD Imager



1/5" Advanced HAD™ (Hole Accumulation Diode) CCD imager with 690K

effective video pixels provides excellent detail and clarity, for exceptional digital video (up to 520 lines of resolution) and still image performance. Realize great looking digital still images with 1,000K effective pixels.

1.0 Megapixel Still Image Capture



With a maximum resolution of 1152 x 864, you can capture over 6,000 images on a single disc, plenty for any vacation or event.

Advanced HAD™ CCD Technology

Enhanced CCD design allow more light to reach the imager which reduces video noise to improve signal-to-noise ratio by up to 6dB (2x better than a standard CCD). Particularly effective when shooting in dark situations.

DVD² Format Video Recording

The DVD recording format delivers digital picture and sound quality comparable to that of MiniDV, but on DVD. Playback of the DVDs couldn't be simpler. After finalizing the disc in the camera, the disc plays back in compatible DVD Players, computers and even PlayStation® 2 video game consoles.

10X Optical/120X Digital Zoom

The optical zoom helps to bring the action up close from far away. In addition, the digital zoom interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zooms.

Professional Quality Carl Zeiss® Vario-Tessar® Lens



Carl Zeiss lens have an advanced optical multi-layer coating offering less glare and flare with increased contrast. This results in vivid image brilliance, true-to-life color saturation, and perfect renditions of subtle tones.

Progressive Shutter System

A mechanical shutter system that provides progressive scan performance, while utilizing an interlaced scanning system. Digital images will be sharp and clear with excellent definition.

▶ 3.5" Hybrid SwivelScreen™ LCD Display (123K Pixels)



Provides excellent viewing clarity with improved resolution. The 123K pixel LCD rotates up to 270-degrees for multiple viewing angles, providing sharp, detailed images for monitoring or playback. The Hybrid LCD Screen provides accurate viewing in sunlight or bright light, virtually eliminating the "wash-out" common with traditional LCD screens.

Visual Index Screen



Shows thumbnail images of movies and still images when playing back on your camcorder or DVD player, making scene selection easier.

Burst Mode



Capture up to 4 images in 1152 x 864, or 12 images at 640 x 480 consecutively, perfect for capturing fast action.

Analog Inputs

Record any analog NTSC source to digital video via the analog inputs. Perfect for archiving analog tape recordings. This recorded video can then be edited on your computer.

Dolby Digital® AC-3 (2-Channel) Stereo Audio Recording



An advanced form of Digital Audio recording, with sophisticated noise reduction technology, that provides outstanding, lifelike sound quality in any situation.

Color Viewfinder



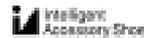
Provides a clear, color view of subjects and makes spotting and/or following subjects easier.

Super SteadyShot® Picture Stabilization System



An advanced version of Sony's SteadyShot® system that controls an even higher range of shake and vibration frequencies, to achieve an even higher level of smoothness without degradation of video like some other image stabilization systems.

Intelligent Accessory Shoe



Conveniently gives you the option of adding accessories such as lights, flashes and microphones to the camera, which can communicate with the camera and also draw power from the camera

USB 2.0³ Interface



USB 2.0 interface provides an easy way to connect your DVD Digital Handycam camcorder to computers for fast transfer of video and still images to your computer for editing. The camcorder can also be used as an external DVD burner, convenient for making copies of your DVDs or burning edited movies.

InfoLithium® Battery with AccuPower™ Meter System



Charge the battery at any time because unlike NiCad (Nickel Cadmium) batteries Sony's rechargeable Lithium-Ion batteries are not subjected to a life shortening "memory effect". Sony's exclusive AccuPower™ meter displays the approximate battery time remaining in minutes, in the viewfinder or the LCD screen.

Super NightShot® Plus Infrared System



An advanced version of Sony's NightShot® Infrared system that allows users to record natural color images in low-light conditions, but without the blurring common with other low-light recording systems.

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ADDITIONAL FEATURES

Battery Info	Picture Effect Modes
Date/Time Display	Program AE (Auto Exposure) Modes
Digital Picture Effects	Manual Focus
Disc Titling	Microphone Jack
Exposure Control	White Balance Adjustment
Fader Modes	World Clock

SPECIFICATIONS

Imaging Device: 1/5", 1070K Gross Pixels Advanced HAD™ CCD
Video Actual: 690K Pixels
Still Actual: 1000K Pixels
F: 1.8 – 2.3
Focal Distance: 3.2 – 32mm
35mm Conversion: 46 – 460mm (Camera Mode)
38 – 380mm (Memory Mode)
Filter Diameter: 25mm
Optical Zoom: 10X
Digital Zoom: 120X
Focusing: Full Range Auto/Manual (Multi-Selector)
Minimum Illumination: 7 Lux (0 Lux with Super NightShot Plus Infrared System)
NightShot® Infrared System: Super NightShot Plus
Shutter Speed: Auto, 1/4–1/4000 sec (Program AE, Slow Shutter)
Memory Mode: Yes, 1152 x 864, 640 x 480
Viewfinder: Color, 123K Pixels
LCD: 3.5" (123K) Hybrid Color
Accessory Shoe: Intelligent
Video Input/Output: Yes/Yes (Multi A/V, Special)
Audio Input/Output: Yes/Yes (Stereo, Special)
i.LINK® DV Interface (IEEE1394): N/A
USB 2.0³: Yes
USB Streaming: N/A
Headphone Jack: N/A
Mic. Input: Yes (Stereo)
White Balance: Auto/Outdoor/Indoor/Hold (Multi-Selector)
Exposure: Multi-Selector (24 Steps)
Power Consumption (VF/LCD/VF+LCD): 4.1W/4.4W/4.7W
Software OS Compatibility: Microsoft® Windows® Me, 2000 Professional, XP Home, XP Professional
Dimensions (WHD): 2 7/8" x 3 1/2" x 5 3/8" (71.8 x 88 x 136mm)
Weight: 1 lb. 4 oz. (570g) without disc and battery
Supplied Accessories: AC-L15A Power Adaptor/In Camera Charger, NP-FM50 InfoLithium® Rechargeable Battery, RMT-835 Wireless Remote Commander® Remote Control, CR2025 Battery, Special Stereo A/V+S Cable, Lens Cap, Cleaning Cloth, Shoulder Strap, Blank DVD-R Media (DMR30), USB Cable, CD-ROM with USB Driver (Pixela ImageMixer™ Ver. 1.5 for Sony)

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BATTERY LIFE¹

Battery ⁴ (Fully charged)	Continuous Record Time VF/LCD/LCD Back Off/VF+LCD	Continuous Playback Time LCD On/Off
NP-FM50	115/105/120/105 min	115/125 min
NP-FM91	430/400/455/390 min	430/465 min
NP-QM71/QM71D	285/265/300/225 min	285/305 min
NP-QM91/QM91D	430/400/455/390 min	430/465 min

RECORD TIMES* (Single Sided Discs)

HQ (High Quality)	Up to 20 minutes
SP (Standard Play)	Up to 30 minutes
LP (Long Play)	Up to 60 minutes

*Recording time may vary depending upon the types of images that you are shooting

STILL IMAGE MODE²

Resolution	DVD-R Video Mode (Fine/Standard)	DVD-RW Video Mode (Fine/Standard)	DVD-RW VR Mode (Fine/Standard)
1152 x 864	2150/4100	2250/4300	2250/4350
640 x 480	5100/8100	5400/8600	5400/8600

*Number of images may vary depending upon the image quality settings, the image size and the type of images that you are shooting

OPTIONAL ACCESSORIES

ACC-DVDM Camcorder Accessory Kit	DMW30/60DS DVD-RW Media
AC-VQ50 AC Adapter/Charger	NP-FM50/FM70/FM90 InfoLithium® Batteries
HVL-F10 Flash	VCT-R610 Tripod
LCH-TRA Carrying Case	VCT-870RM Remote Control Tripod
LCH-VML Carrying Case	VCT-R610 Lightweight Tripod
NP-QM71D/91D Super Quick High Capacity InfoLithium® Batteries	VCT-TK1 Pocket Tripod
DMR30/60DS DVD-R Media	VCL-0625S Wide Angle Lens
	VCL-2025S Telephoto Lens

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¹ Designed for use with compatible Sony InfoLithium® batteries.

² Playback on all home DVD players, computer DVD drives, and PlayStation 2 consoles cannot be guaranteed. Some players, drives, and video game consoles lack the ability to read due to the optical reflection standard of DVD-R/RW discs and/or due to encoding incompatibilities. Refer to the specifications of your playback equipment for additional compatibility information.

³ Not all products with a USB 2.0 connector may communicate with each other due to chipset variations.

⁴ Recording time may vary depending upon the types of images and amount of movement you are shooting.

* Use of Sony DVD-R/RW Media recommended. For third party media, confirm compatibility with manufacturer.

SONY

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