SONY®

DCR-HC1000
Digital Handycam® Camcorder

*worryfree**digital**video*™

Sony. Engineered to be effortless.

FEATURES

▶ 3-1/4.7" Advanced HAD™ CCD Imagers 1070K Pixels Gross

MEGA PIXEL ENGINE 3-1/4.7" Advanced HAD™ (Hole Accumulation Diode) CCD imagers with 690K effective (video) pixels provides excellent detail and clarity with exceptional digital video performance. Realize unprecedented digital still images with 1000K (effective) pixels. The Megapixel technology enhances your digital videos **(530 lines of horizontal resolution)** and digital photography performance.

▶ 3 CCD

Using a 3 chip Advanced HAD™ CCD system and dichroic prism to separate color information, colors are extremely accurate, and color "bleeding" and "smearing" are greatly reduced.

MiniDV Recording

Offers up to 530 lines of horizontal resolution, 3X color bandwidth (vs. VHS) and significantly higher S/N ratio, to provide stunning video performance.

▶ 12X Optical/150X 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.

Digital Still Memory Mode with Memory Stick Duo™ Media

DIGITAL STILL MEMORY MODE Capture digital still images at 1152 x 864 or 640 x 480 resolution, directly onto Memory Stick Duo media for easy transfer to PC's for emailing, printing, or sharing with other compatible Memory Stick® devices.

12-Bit/16-Bit PCM Digital Stereo

16-Bit offers the same outstanding sound quality as compact disc. 12-Bit recording enables you to add an additional audio track with compatible audio dubbing equipment or i.LINK®* interface compatible computers.

Professional Quality Carl Zeiss® Vario-Sonnar® T* Lens

ZEISS Carl Zeiss T* lens coatings are among some of the most advanced multi-layer coating systems in the world, resulting in even less glare and flare with increased contrast. This results in vivid image brilliance, true-to-life color saturation and perfect renditions of subtle tones.

2.5" Precision Hybrid SwivelScreen™ Touch Panel LCD Display (211K Pixels)

2.5" Hybrid LCD monitor Provides excellent viewing clarity with improved resolution. The 211K pixel LCD display makes images sharp and detailed during playback or when monitoring recording. The Hybrid Reflective-Transmissive LCD Screen provides accurate viewing in sunlight or bright light, virtually eliminating the "wash-out" common with traditional LCD Screens.

▶ Super SteadyShot Optical Image Stabililization System

Super Steady Shot An advanced form of Sony's SteadyShot® Image Stabilization 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.

Progressive Shutter

Mechanical shutter system that provides Progressive Scan performance while utilizing an interlace scanning system. Digital still images will be sharp and clear with excellent definition.

Analog To Digital Conversion with Pass-Through

Convert and/or record any analog NTSC video source to digital video via the analog inputs. Analog NTSC video can also be passed through the digital Handycam camcorder directly into a PC via the i.LINK® interface in real-time for easy PC editing of your analog footage.

InfoLithium® Battery with AccuPower™ Meter System[1]

InfoLITHIUM F 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 battery time remaining in minutes, in the viewfinder or the LCD screen.

Manual Focus Ring

Manual Focus Permits the user to easily adjust the camera's focus allowing for more creativity and/or effects. Manual focusing also allows the user to control the camera's focus in difficult shooting situations.

Expanded Focus Indicator

While using the manual focus ring, the camera automatically adjusts to 2X magnification, allowing for extremely accurate focus adjustment.

Enhanced 16:9 Mode

16:9 Wide By utilizing more area of the oversized CCD, a 16:9 image is created with a 14% wider angle field of view and 30% more pixels than a standard 4:3 image.

▶ Multi-Angle Grip

Multi-Angle Grip The hand grip swivels forward 90 degrees allowing the user to control the camcorder in different angles, allowing the hand to be ergonomically placed close to the controls.

i.LINK®* DV Interface (IEEE1394)

DIGITAL VIDEO INTERFACE A high speed bi-directional digital video/audio communication between two compatible devices equipped with an IEEE1394 interface, including camcorders, digital VTRs and PCs.

▶ Manual Zoom Ring

Allows the user to manually control the zoom while shooting in unique situations where more control is desired.

▶ STEP-UP FEATURE

DCR-HC1000[1]
Digital Handycam® Camcorder

Battery Info
Intelligent Accessory Shoe
Intelligent Pop-Up Flash
Interval Record
MPEG EX Movie Mode
Multi-Language Menu

PictBridge™ Compatibility
Picture Package™ Software
Program AE (Auto Exposure) Modes
USB Streaming
Zebra Pattern

SPECIFICATIONS

Imaging Device: 3-1/4.7" 1070K Pixel Advanced HAD™ CCDs
Video Actual: 690K Pixels (per CCD)
Still Actual: 1000K Pixels (per CCD)
F: 1.6 – 2.8
Focal Distance: 3.6 – 43.2mm
35mm Conversion: 49 – 588mm (Camera Mode)
                     41 – 492mm (Memory Mode)
Filter Diameter: 37mm
Optical Zoom: 12X
Digital Zoom: 150X
Focusing: Full Range Auto/Manual (Ring)/Spot (Touch Panel)
Minimum Illumination: 5 lux
NightShot® Infrared System: N/A
Shutter Speed: 1/4 – 1/10,000 (AE Mode)
Viewfinder: Color, 123K Pixels
LCD: 2.5" (211K) Precision 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): Yes
USB: Yes
Memory Stick PRO Duo™ Media Compatibility: Tested to support up to 512MB media capacity; does not support high speed transfer function; does not support Access Control security function
USB Streaming: Yes
Headphone Jack: Yes
Mic. Input: Yes (Stereo – Front and Rear)
White Balance: Auto/Outdoor/Indoor/One-Push
Exposure: Manual, Touch Panel (24 Steps)
Power Consumption (VF/LCD/VF+LCD): 4.6W/5.1W/5.2W
Software OS Compatibility: Microsoft® Windows® 98SE, Me, 2000 Professional, XP Home and Pro
                     Macintosh® OS X (10.1.5 or later)**
Dimensions (WHD): 4 x 3 1/8 x 6 1/4" (101 x 78 x 158mm)
Weight: 1 lb 11 oz. (780g) without Tape and Battery
Supplied Accessories: AC-L25 Power Adaptor/In Camera Charger, NP-FF71 InfoLithium® Rechargeable Battery, RMT-831 Wireless Remote Commander® Remote Control, USB Cable, MSM-8A Memory Stick Duo™ Media, MSAC-M2 Memory Stick Duo™ Media Adapter, Lens Hood, Lens Cap, LCD Cleaning Cloth, Multi A/V Cable, CD-ROM with USB Driver (Picture Package Software ver. 1.0)

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BATTERY LIFE[1]

Battery* (Fully charged)	Continuous Rec Time VF/LCD/VF+LCD	Continuous Playback Time LCD On/Off
NP-FF71	135/120/135/120 min	190/230 min
NP-FF70	125/110/120/110 min	175/210 min

*Results may vary depending upon conditions

DIGITAL STILL MEMORY MODE

MEMORY MODE

Memory Stick Duo™ Media[2]	Fine/Std 1152 x 864	Fine/Std 640 x 480	Memory Stick PRO Duo™ Media[2]	Fine/Std 1152 x 864	Fine/Std 640 x 480
8MB	15/37	50/120	256MB	445/1000	1400/3550
16MB	30/74	96/240	512MB	900/2050	2850/7200
32MB	61/150	190/485			
64MB	120/300	390/980			
128MB	245/600	780/1970			

MPEG MOVIE EX

MPEG MOVIE EX MODE
h=hour, m=minute, s=second

Memory Stick Duo™ Media[2]	Email Mode (160 x 112)	Presentation Mode (320 x 240)	Memory Stick PRO Duo™ Media	Email Mode (160 x 112)	Presentation Mode (320 x 240)
8MB	5m 20s	1m 20s	256MB	2h 50m 40s	42m 40s
16MB	10m 40s	2m 40s	512MB	5h 41m 20s	1h 25m 20s
32MB	21m 20s	5m 20s			
64MB	42m 40s	10m 40s			
128MB	1h 25m 20s	21m 20s			

OPTIONAL ACCESSORIES

NP-FF71 Rechargeable InfoLithium® Batteries
AC-VF50 AC Adapter and Charger
BC-TRF Travel AC Adapter
LCS-HC1000 Soft Carrying Case
VCT-MTK Travel Tripod Kit
VCT-D870/680/580/480RM Remote Control Tripod
VMC-14UMB2 USB Cable
VMC-IL4415/4435/4615/4635 i.LINK® Cables
RM-VD1 Remote Commander® Remote Control
VCL-HG0737XHigh Grade Wide Angle Conversion Lens
VCL-HG2037X High Grade Tele Conversion Lens
VF-37CPKS Polarized Filter Kit

VF-370K Special Effects Filter Kit
VCL-SW04 Wide Angle Conversion Lens
VCL-ST30 Tele Conversion Lens
HVL-FH1100 Flash
ECM-CQP1 4-Channel Microphone
ECM-MSD1 Condenser Microphone
MSH-M32A/64A/128A Memory Stick Duo™ Media
MSX-M256A/512A Memory Stick PRO Duo™ Media
MSAC-M2 Memory Stick Duo™ Media Adaptor
MSAC-PC3 PC Card Memory Stick® Media Adaptor
MSAC-US30 USB Memory Stick® Media Reader/Writer

1 Designed for use with compatible Sony InfoLithium® batteries.
2 Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is: 8=7.5, 16=15, 32=30, 64=61, 128=123, 256=220, 512=460
* i.LINK is a trademark of Sony, used only to designate that a product contains an IEEE1394 connector. All products with an IEEE1394 connector may not communicate with each other.
** Not compatible with USB Streaming.

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