

DCR-PC330

Digital Handycam® Camcorder



FEATURES

▶ 3.3 Megapixel Advanced HAD™ CCD Imager



1/3" Advanced HAD™ (Hole Accumulation Diode) CCD imager with 2077K effective video pixels provides excellent detail and clarity, for exceptional digital video performance. Realize unprecedented digital still images with 3048K effective pixels. The 3.0 Megapixel technology enhances your digital videos (**530 lines of horizontal resolution**) and digital photography performance.

MiniDV Recording

MiniDV digital recording format delivers 3X the color bandwidth of VHS and lower signal to noise ratio compared to analog formats, providing stunning video performance.

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



Carl Zeiss T* lens offers the most advanced multi-layer coating system, resulting in even less glare and lens flare compared to other systems. The result is vivid image brilliance with outstanding contrast and accurate color rendition across the spectrum.

10X Optical/120X Precision Digital Zoom

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

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



The 211K pixel LCD provides excellent viewing clarity with improved resolution. The Hybrid system consists of a transmissive LCD combined with a reflective LCD. By turning off the backlight, it will capture more ambient light virtually eliminating LCD "wash-out." Images will be visible in the LCD even in the most challenging outdoor lighting conditions. The "On Screen" touch panel system allows you to navigate through the camera's menu system at the touch of the LCD screen.

▶ STEP-UP FEATURE

Precision Color Viewfinder (180K Pixels)



Increased pixel count provides more detail and clarity of video subjects.

USB Streaming



Stay connected with family and friends by broadcasting live video with audio, via the Internet with the USB interface. You can even playback your favorite recorded scene stored on tape. It's like having your own web camera or video conferencing system. The USB Interface also allows easy transfer of still images and MPEG1 movies stored on Memory Stick® Media to the computer.

▶ Digital Still Memory Mode with Memory Stick® Media



Digital Still Memory Mode captures high quality 3.0 Megapixel still images at up to 1616 x 1512 resolution directly to Memory Stick media. Images are stored in the JPEG format providing easy transfer to PCs for emailing, printing, or sharing with family and friends. 16MB Memory Stick media is supplied.

MPEG Movie EX Mode



Unlike earlier MPEG1 Movies, MPEG Movie EX will allow you to record uninterrupted to the capacity of the Memory Stick® Media. For example a 128MB Memory Stick media will record up to 85 minutes of non-stop MPEG1 video, or over 11 hours on 1GB Memory Stick PRO™ Media.

Manual Focus Ring

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

▶ Smooth Interval Record

A form of video recording (Time Lapse Recording) that allows for extremely smooth, time elapsed video. Various recording intervals and recording time can be specified to suit the type of situation being recorded.

Expanded Focus Indicator

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

i.LINK®** DV Interface (IEEE1394)



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

Click to DVD™ Software Connectivity

By connecting the camcorder to a Sony VAIO® computer, via i.LINK® interface and pressing the "Burn DVD" button in the menu system, this allows you to automatically burn a copy of your personal videos to DVD. This feature is compatible with newer versions of Click to DVD™ software found exclusively on select VAIO® Notebook and Desktop computers.

Super NightShot Infrared System and Color Slow Shutter



With Sony's NightShot® infrared system, capture video in total darkness (0 lux) up to 10 feet away. Super NightShot 0 Lux recording mode automatically adjusts the shutter speed to increase picture brightness and clarity. Color Slow Shutter mode allows you to record in low light situations with full color detail by slowing down the shutter speed.

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.

Progressive Shutter System

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

DCR-PC330

ADDITIONAL FEATURES

- ▶ 3D Active Menu
- 12-Bit/16-Bit PCM Digital Stereo
- 14-Bit DXP A/D Conversion 16:9 Mode
- Analog-to-Digital Conversion with Pass-Through
- Battery Information
- Digital Picture Effects
- Digital Program Editing
- Enhanced 16:9 Mode
- EXIF 2.2
- Fader Effects
- ▶ Hologram AF™ Low Light Laser Assist Focus System
- InfoLithium® Battery with AccuPower™ Meter System
- Intelligent Accessory Shoe
- Intelligent Pop-Up Flash
- ▶ PictBridge™ Application
- Pixela ImageMixer™ CD-ROM Software
- Playback Zoom
- Program AE (Auto Exposure) Modes
- ▶ Progressive Recording (15fps)
- Simultaneous Record Mode
- Stamina Battery Power Management System

SPECIFICATIONS

Imaging Device: 1/3", 3310K Gross Pixels, Advanced HAD™ CCD

Video Actual: 2048K Pixels

Still Actual: 3040K Pixels

F: 1.8-2.1

Focal Distance: 5.1 – 51mm

35mm Conversion: 45 – 450mm (Camera Mode)
37 – 370mm (Memory Mode)

Filter Diameter: 37mm

Optical Zoom: 10X

Digital Zoom: 120X

Focusing: Full Range Auto/Manual (Touch Panel)

Minimum Illumination: 7 Lux (0 Lux with NightShot® Infrared System)

NightShot Infrared System: Super NightShot, Color Slow Shutter

Shutter Speed: 1/4-1/4000 (AE Mode)

Memory Mode: Yes, 2016 x 1512, 640 x 480

MPEG Movie Mode: Yes, 320 x 240, 160 x 112

Viewfinder: Precision Color (180K)

LCD: 2.5" Precision Color (211K Pixels)

Accessory Shoe: Yes (Intelligent)

Video Input/Output: Yes/Yes (Special and S-Video A/V)

Audio Input/Output: Yes/Yes (Stereo, Special)

i.LINK® DV Interface (IEEE 1394): Yes

USB Terminal: Yes (Version 1.1)

Memory Stick PRO™ Media Compatibility: Tested to support up to 1GB media capacity; does not support high speed transfer function; does not support Access Control security function

USB Streaming: Yes (version 1.1)

Headphone Jack: Yes (Mini, Stereo)

Mic-Input: Yes (Stereo)

White Balance: Auto, Outdoor, Indoor, Hold

Exposure: Yes/Touch Panel (24 Step)

Software OS Compatibility: Microsoft® Windows® 98SE, 2000, Me, XP; Macintosh® 8.5.1 - 9.1, X (10.0, 10.1, 10.2)**

Power Consumption (VF/LCD/VF+LCD): 3.4W/3.9W/4.2W

Dimensions (WHD): 2 3/8" x 4 3/4" x 4 1/2" (59mm x 119mm x 113mm)

Weight: 1 lb. 3 oz. (540g) without Tape and Battery

Supplied Accessories: AC-L15 Power Adapter/In Camera Charger, NP-FM30 InfoLithium Rechargeable Battery, 16MB Memory Stick® Media, RMT-831 Wireless Remote Commander® Remote Control, CR2025 Battery, A/V Cable, Lens Cap, Lens Hood, USB Cable, LCD Cleaning Cloth, CD-ROM w/Driver (Pixela ImageMixer™ Software Ver. 1.5 for Sony)

SONY

Sony Electronics Inc.
16765 West Bernardo Drive
San Diego, CA 92127
www.sony.com/di

worry FREE™ BATTERY LIFE

Battery* (Fully charged)	Rec Time VF/LCD/VF+LCD	Playback Time LCD On/Off
NP-FM30	95/80/70 min	110/135 min
NP-FM50	155/130/120 min	180/220 min
NP-FM70	320/270/250 min	370/450 min
NP-QM71D	375/315/290 min	430/530 min
NP-QM91D	565/475/445 min	645/785 min

*Results may vary depending upon conditions



MEMORY MODE



Memory Stick® Media¹	Fine/Std 2016 x 1512	Fine/Std 640 x 480	Memory Stick PRO™ Media¹	Fine/Std 2016 x 1512	Fine/Std 640 x 480
8MB	5/12	50/120	256MB	145/355	1400/3550
16MB	10/24	96/240	512MB	300/720	2850/7200
32MB	20/48	190/485	1GB	890/1450	5900/14,500
64MB	40/98	390/980			
128MB	82/195	780/1970			



MPEG MOVIE EX MODE

h=hour, m=minute, s=second

Memory Stick® Media	Email Mode (160 x 112)	Presentation Mode (320 x 240)	Memory Stick PRO™ 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	1GB	11h 22m 40s	2h 50m 40s
64MB	42m 40s	10m 40s			
128MB	1h 25m 20s	21m 20s			

OPTIONAL ACCESSORIES

AC-SQ950D AC Quick Charger for Super Quick Batteries

NP-QM71D/91D Super Quick High Capacity InfoLithium® Batteries

NP-FM50/70/90 High Capacity InfoLithium Batteries

MSA-16/32/64/128A Memory Stick® Media

MSA-128S2 Memory Stick® Media with Memory Select Function

MSX-256/512/1GB Memory Stick PRO™ Media

HVL-IRH2 NightShot® Infrared Light

HVL-S3D Video Light

* 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.

©2003 Sony Electronics Inc.

Reproduction in whole or in part without written permission is prohibited. All rights reserved.

Sony, AccuPower, Advanced HAD, Click to DVD, Handycam, Hologram AF, i.LINK, InfoLithium, Memory Stick (word and logo), Memory Stick PRO, NightShot, Remote Commander, SteadyShot, SwivelScreen, VARIO and Worry Free are trademarks of Sony. Carl Zeiss and Vario-Sonnar are trademarks of Carl Zeiss. Microsoft and Windows are registered trademarks of Microsoft Corporation. PictBridge is a trademark of CIPA. All other trademarks are property of their respective owners. Features and specifications subject to change without notice. Non-metric weights and measures are approximate.

¹ Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions.