

DCR-TRV70

Digital Handycam® Camcorder

The DCR-TRV70 is the world's first MiniDV 2.0 Megapixel Handycam® Camcorder that allows for up to 530 lines of horizontal video resolution, outstanding 1600 x 1200 still image resolution, and Networking Capability via USB.



FEATURES

▶ 2.1 Megapixel (Gross) Advanced HAD™ CCD Imager



1/3.6" Advanced HAD™ (Hole Accumulation Diode) CCD imager with 1080K (effective) video pixels provides excellent detail and clarity, for exceptional digital video performance. Realize great looking digital still images with 1920K (effective) pixels. The 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 comparable to DVD.

Network Capable via USB

Connect the camera to the Internet for pc-free networking. The Network function allows you to browse the web, send and receive email messages (with attachments) or upload digital still images and MPEG1 movies stored on Memory Stick® media to Sony's ImageStation® storage site. Connect to the Internet with the supplied hardwired analog phone line to USB Network adapter (Compatible ISP required). **AOL Compatible:** AOL members can enjoy networking features listed above with the exception of receiving email.

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

Carl Zeiss lenses 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.

10X Optical/120X Precision 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.

▶ 2.5" Precision SwivelScreen™ Touch Panel LCD Display (211K Pixels) with Stylus



Provides excellent viewing clarity with improved resolution. The 211K pixel LCD display makes images sharp and detailed during playback or when monitoring recording. The "On Screen" touch panel LCD system allows you to navigate through the camera's menu system by touching the LCD screen using the supplied stylus.

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.

▶ Digital Still Memory Mode with Memory Stick® Media



Digital Still Memory Mode captures high quality Megapixel still images at up to 1600 x 1200 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. 8MB Memory Stick media 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 will record up to 85 minutes of non-stop MPEG1 video.

Manual Focus Ring



Allows the user to 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.

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.

▶ Intelligent Pop-Up Flash

Provides the appropriate amount of flash for optimum brightness and color accuracy in virtually any lighting condition when shooting still images.

i.LINK®* DV Interface (IEEE1394)



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

Super SteadyShot 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.

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.

▶ STEP-UP FEATURE

DCR-TRV70

ADDITIONAL FEATURES

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

SPECIFICATIONS

Imaging Device: 1/3.6", 2110K Gross Pixels, Advanced HAD™ CCD

Video Actual: 1080K Pixels

Still Actual: 1920K Pixels

F: 1.8-2.1

Focal Distance: 4.5-45mm

35mm Conversion: 52-520mm (Camera Mode)
39-390mm (Photo 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 (Program AE Mode)

Memory Mode: Yes, 1600 x 1200, 640 x 480

MPEG Movie EX Mode: Yes

Viewfinder: Precision Color (180 K Pixels)

LCD: 2.5" Precision Color (211K Pixels)

Accessory Shoe: Yes (Intelligent)

Video Input/Output: Yes/Yes (Mini and S-Video)

Audio Input/Output: Yes/Yes

i.LINK® DV Interface (IEEE1394): Yes

USB Terminal: Yes

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

Headphone Jack: Yes (Mini, Stereo)

Micro-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**

Power Consumption (VF/LCD/VF+LCD): 3.9W/4.6W/4.8W

Dimensions (WHD): 2 7/8" x 3 1/2" x 6 7/8" (73mm x 91mm x 174mm)

Weight: 1 lb 6 oz (640g) without Tape and Battery

Supplied Accessories: AC-L15 Power Adapter/In Camera Charger, NP-FM50 InfoLithium Rechargeable Battery, 8MB Memory Stick® Media, RMT-811 Wireless Remote Commander® Remote, 2 AA Batteries, A/V Cable, Lens Cap, Shoulder Strap, USB Cable, LCD Cleaning Cloth, Stylus, CD-ROM w/USB Driver (Pixela ImageMixer Ver. 1.5)

SONY

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worry FREE™ BATTERY LIFE

Battery* (Fully charged)	Rec Time VF/LCD/VF+LCD	Playback Time LCD On/Off
NP-FM30	75/65/60 min	100/140 min
NP-FM50	125/105/100 min	165/ 230 min
NP-FM70	265/220/210 min	345/475 min
NP-QM71D	305/255/245 min	400/550 min
NP-FM90	400/340/325 min	520/715 min
NP-QM91D	465/390/375 min	605/825 min

*Results may vary depending upon conditions



MEMORY MODE



Memory Stick® Media	Fine/Std 1600 x 1200	Fine/Std 640 x 480	Memory Stick PRO™ Media	Fine/Std 1600 x 1200	Fine/Std 640 x 480
8MB	8/18	50/120	256MB	235/540	1400/3550
16MB	16/37	96/240	512MB	480/1100	2850/7200
32MB	32/75	190/485	1GB	980/2250	5900/14,500
64MB	65/150	390/980			
128MB	130/300	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	MSX-256/512/1GB Memory Stick PRO™ Media
NP-QM71D/91D Super Quick High Capacity InfoLithium Batteries	HVL-IRH2 NightShot Infrared Light
NP-FM50/70/90 High Capacity InfoLithium Batteries	HVL-S3D Video Light
LCS-VA1 Carrying Case	VCT-870RM Remote Control Tripod
MSA-16/32/64/128 Memory Stick® Media	UNA-EN1 Ethernet Adaptor
MSA-128SZ Memory Stick® Select Media	UNA-PSTN Analog Phone Line Adaptor

* 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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