

DCR-TRV33

Digital Handycam® Camcorder

The DCR-TRV33 is a spectacular option for those looking for great video and stills in a compact camcorder. Offering a 1.0 Megapixel CCD imager, this high quality camcorder delivers 10X Optical/120X Digital Zoom and Carl Zeiss® optics for incredible picture clarity.



FEATURES

► 1.0 Megapixel (Gross) Advanced HAD™ CCD Imager



1/4.7" Advanced HAD (Hole Accumulation Diode) CCD imager with 690K (effective) pixels

provides excellent detail and clarity, with exceptional digital video performance (**520 lines of horizontal resolution**). Realize great looking digital still images utilizing 1000K (effective) pixels. The Megapixel technology enhances your digital videos and digital still 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.

Ultra Compact Design

This new, unique design complements the product's ultra compact size while providing easy, comfortable access to the video controls.

Professional Quality Carl Zeiss® Vario-Sonnar® 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 brings the action close up from far away. In addition, precision digital zoom interpolation technology means that extreme digital zooming is clearer, with less distortion than previous types of digital zoom.

2.5" SwivelScreen™ Touch Panel LCD Display (123K Pixels)



The 2.5" SwivelScreen touch panel LCD display 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 "On Screen" touch panel system allows you to navigate through the camera's menu system at the touch of the LCD screen.

Color Viewfinder (113K)



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

► Digital Still Memory Mode with Memory Stick® Media



Digital Still Memory Mode captures high quality Megapixel still images at 1152 x 864 or 640 x 480 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 is supplied.

MPEG Movie EX Mode



Unlike earlier MPEG1 Movies, MPEG Movie EX will allow you to record uninterrupted to the full capacity of the Memory Stick® media. For example a 128MB Memory Stick will record up to 85 minutes of non-stop MPEG1 video.

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.

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, capture cards, and PCs.

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.

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.

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.

Playback Zoom

During video playback, pause mode or while viewing still images stored on Memory Stick media, you can zoom in up to 5X closer. These newly cropped images can be stored on Memory Stick media.

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.

► STEP-UP FEATURE

DCR-TRV33

ADDITIONAL FEATURES

12-Bit/16-Bit PCM Digital Stereo	InfoLithium® Battery with AccuPower™ Meter System
▶ 14-Bit DXP A/D Conversion	Intelligent Accessory Shoe
Battery Information	Pixela ImageMixer Software
Digital Picture Effects	Program AE (Auto Exposure) Modes
EXIF 2.2	Simultaneous Record Mode
Fader Effects	Stamina® Battery Power Management System

SPECIFICATIONS

Imaging Device: 1/4.7" 1,070K Gross Pixels, Advanced HAD™ CCD

Video Actual: 690K

Still Actual: 1,000K

F: 1.8-2.0

Focal Distance: 3.7-37mm

35mm Conversion: 50-500mm (Camera Mode)
42-420mm (Memory Mode)

Filter Diameter: 30mm

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, 1152 x 864, 640 x 480

MPEG Movie EX Mode: Yes

Viewfinder: Color (113K Pixels)

LCD: 2.5" Color (123K Pixels)

Accessory Shoe: Yes (Intelligent)

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

Audio Input/Output: Yes/Yes

i.LINK® DV Interface (IEEE 1394): 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)

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**

Power Consumption (VF/LCD/VF+LCD): 3.3W/4.1W/4.3W

Dimensions (WHD): 2 7/8" x 3 5/8" x 4 1/2" (71mm x 90mm x 112mm)

Weight: 1 lb 2 oz (540g) without Tape and Battery

Supplied Accessories: AC-L15 Power Adapter/In Camera Charger, NP-FM30 InfoLithium Rechargeable Battery, 8MB Memory Stick® Media, RMT-814 Wireless Remote Commander® Remote, 2 AA Batteries, A/V Cable, Lens Cap, Shoulder Strap, USB Cable, LCD Cleaning cloth, CD-ROM with 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	90/70/70 min	100/135 min
NP-FM50	150/120/110 min	160/220 min
NP-FM70	310/250/240 min	335/450 min
NP-QM71D	365/290/275 min	390/530 min
NP-FM90	475/380/360 min	505/685 min
NP-QM91D	550/445/420 min	585/785 min

*Results may vary depending upon conditions



MEMORY MODE



Memory Stick® Media	Fine/Std 1152 x 864	Fine/Std 640 x 480	Memory Stick PRO™ Media	Fine/Std 1152 x 864	Fine/Std 640 x 480
8MB	15/37	50/120	256MB	460/1050	1450/3650
16MB	30/74	96/240	512MB	900/2050	2900/7200
32MB	61/150	190/485	1GB	1850/4200	5900/14,500
64MB	120/300	390/980			
128MB	245/600	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	MSA-128SZ Memory Stick® Select Media
NP-QM71D/91D Super Quick High Capacity InfoLithium Batteries	MSX-256/512/1GB Memory Stick PRO™ Media
NP-FM50/70/90 High Capacity InfoLithium Batteries	HVL-IRH2 NightShot Infrared Light
LCS-VA1 Carrying Case	HVL-S3D Video Light
MSA-16/32/64/128 Memory Stick® Media	VCT-870RM Remote Control Tripod

* 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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