

DCR-TRV50

Digital Handycam® Camcorder



FEATURES

▶ 1/4" Advanced HAD™ CCD Imager, 1.5 Mega Pixels Gross



1/4" Advanced HAD (Hole Accumulation Diode) CCD imager with 970K (effective) pixels provides excellent detail and clarity, with exceptional digital video performance. Realize great looking digital still images utilizing 1390K (effective) pixels. The Mega Pixel technology enhances your digital videos and digital photography performance.

Mini DV Recording

Mini DV digital recording format delivers 3X color bandwidth of VHS and lower signal to noise ratio compared to analog formats and provides stunning video performance.

▶ Network Capability with Bluetooth™ Technology



™ Connect the camera, wirelessly, via Bluetooth™ technology, to the Internet. This allows wireless transfer of still images and MPEG1 movies, captured on Memory Stick® media, via the optional modem adapter (BTA-NW1). Images and MPEG movies can be emailed to family and friend, or shared via Sony's ImageStation™ Service on the World Wide Web. You can even browse the Internet wirelessly.

Advanced HAD™ CCD Technology

The Advanced HAD (Hole Accumulation Diode) enhanced CCD design allows for 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 imager). Particularly effective when shooting in dark situations.

▶ 530 Lines of Horizontal Resolution

Sony's advanced HAD™ Mega Pixel CCD technology, combined with Carl Zeiss® optics provide outstanding video performance with up to 530 horizontal lines of resolution.

Professional Quality Carl Zeiss® Vario-Sonnar 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.

10X Optical/120X Precision Digital Zoom

The Carl Zeiss® 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.

▶ 3.5" SwivelScreen™ LCD Display (246K Pixels)

The 3.5" SwivelScreen™ LCD display provides excellent viewing clarity with improved resolution. The 246K pixel LCD display makes images sharp and detailed during playback or when monitoring recording.

▶ Touch Panel LCD with Stylus

The "On Screen" touch panel system allows you to navigate through the camera's menu system at the touch of the LCD screen using the supplied stylus.

Precision Color Viewfinder (180K Pixels)

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

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.

Digital Still Memory Mode with Memory Stick® Media



Digital Still Memory Mode captures high quality Mega Pixel still images up to 1360 x 1020 resolution directly onto Memory Stick media for easy transfer to PC's for email, printing, or sharing with other compatible Memory Stick devices.

MPEG Movie EX Mode



Unlike other MPEG1 movies, MPEG Movie EX will allow you to record uninterrupted to the full capacity of the Memory Stick media. For example, the 128MB Memory Stick media will record up to 85 minutes of non-stop MPEG videos.

i.LINK®** DV Interface (IEEE 1394)



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

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 camcorders directly into a PC via the i.LINK interface in real time for easy PC editing of your analog footage.

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 and video conferencing system.

▶ STEP-UP FEATURE

DCR-TRV50

ADDITIONAL FEATURES

USB Interface	Photo Save
InfoLithium® Battery with AccuPower™ Meter System	Playback Zoom
Super NightShot and Color Slow Shutter	PIM (Print Image Matching)
Stamina® Power Management System	Print Mark
Progressive Shutter System	Digital Program Editing
14 Bit DXP A/D Conversion	Picture Effect Modes
Hologram AF Low Light Laser Assist Focus System	Interval/Frame Recording
Photo Mode	Index Titling
	Intelligent Accessory Shoe
	AE Bracketing
	Burst Mode

SPECIFICATIONS

Imaging Device: 1/4" 1,550K Gross Pixels, Advanced HAD™ CCD

Video Actual: 970K

Still Actual: 1,390K

F: 1.8-2.2

Focal Distance: 4.2-42mm

35mm Conversion: 48-480mm (Camera Mode)
40-400mm (Memory Mode)

Filter Diameter: 37mm

Optical Zoom: 10X

Digital Zoom: 120X

Focusing: Full Range Auto/Manual/Spot (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, 1360 x 1020, 640 x 480

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

Viewfinder: Color (180K)

LCD: 3.5" Color (246K)

Accessory Shoe: Yes (Intelligent)

Portable Printer Capable: Yes

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

Audio Input/Output: Yes/Yes (Stereo)

i.LINK® DV Interface (IEEE 1394): Yes (4 Pin)

USB Terminal: Yes

USB Streaming: Yes, 320 x 240 (up to 30 frames/sec.)

Headphone Jack: Yes (Mini, Stereo)

Mic-Input: Yes (Stereo)

White Balance: Auto, Outdoor, Indoor, Hold

Exposure: Yes/Dial (24 Step)

Software OS Compatibility: Microsoft® Windows® 98SE, 2000, Me, XP; Macintosh® 8.5.1 - 9.1**

Power Consumption (VF/LCD/VF+LCD): 3.4W/4.5W/4.8W

Dimensions (WHD): 2 7/8" x 3 5/8" x 6 5/8" (72mm x 91mm x 168mm)

Weight: 1 lb 11 oz (785g) w/Battery

Supplied Accessories: AC-L10 Power Adapter/In Camera Charger, NP-FM50 InfoLithium Rechargeable Battery, RMT-811 Wireless Remote Commander®, 2 AA Batteries, A/V Cable, Lens Cap, Shoulder Strap, 8MB Memory Stick Media, USB Cable, CD-ROM with USB Driver (PIXELA ImageMixer Ver. 1.0), TPP-3ST Stylus

worry FREE BATTERY LIFE

Battery* (Fully charged)	Rec Time VF/LCD/VF+LCD	Playback Time LCD On/Off
NP-FM30	90/65/60 min	80/125 min
NP-FM50	145/105/100 min	135/200 min
NP-FM70	305/225/210 min	285/415 min
NP-QM71	355/265/245 min	335/485 min
NP-FM91	535/400/375 min	505/725 min
NP-QM91	535/400/375 min	505/725 min

*Results may vary



MEMORY MODE



Memory Stick Media	1360 x 864/640 x 480		
	Super Fine	Fine	Standard
8MB	8/40	17/80	25/120
16MB	17/80	34/160	50/240
32MB	35/160	69/325	100/485
64MB	71/325	140/650	205/980
128MB	140/650	280/1310	415/1970



MPEG MOVIE EX MODE

Memory Stick Media	Email Mode (160 x 112)	Presentation Mode (320 x 240)
	8MB	5 min 20 sec
16MB	10 min 40 sec	2 min 40 sec
32MB	21 min 20 sec	5 min 20 sec
64MB	42 min 40 sec	10 min 40 sec
128MB	85 min 20 sec	21 min 20 sec

OPTIONAL ACCESSORIES

BTA-NW1 Bluetooth Modem Adapter	VCL-HG0737X High Grade Wide Angle Lens
AC-SC950D AC Quick Charger for Super Quick batteries	VCL-ES06A Wide Angle Lens
AC-VQ850D AC/DC Adapter Quick Charger	VCL-ES20A Telephoto Lens
PC-VM50 Portable AC Charger	VCL-R2037X High Grade Telephoto Lens
DCC-L50 Car Battery Adapter Cable	VF-R37K Natural Density Filter Kit
LCS-VA2 Carrying Case	VF-37PK Polarizing Filter Kit
LCS-VA1 Carrying Case	VCT-670RM Remote Control Tripod
ACC-KITFM50 Handycam Camcorder Starter Kit	VCT-570RM Remote Control Tripod
VCL-O637H Wide Angle Lens	VCT-R610 Lightweight Tripod
	VCT-TK1 Pocket Tripod

* i.LINK is a trademark of Sony, used only to designate that a product contains an IEEE 1394 connector. All products with an IEEE 1394 connector may not communicate with each other.

** Not compatible with USB Streaming.

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SONY

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