

# SONY




## DCR-TRV460

### Digital Handycam® Camcorder

The DCR-TRV460 is backward compatible with previously recorded 8mm or Hi8™ tapes. In addition, it can be used as a digital still camera with MPEG Movie EX recording capability; you can also record video in no light using NightShot Plus infrared system. You also have a 2.5" Touch Panel LCD Screen which is perfect for framing the action.

## FEATURES


### Digital8® Video Recording

 Digital8 recording format delivers 3X the color bandwidth of VHS with significantly less video noise providing stunning video performance. Digital8 records digital audio and video comparable to MiniDV on affordable Hi8™ tapes.

### 1/6" CCD Imager, 460K Pixels Gross

1/6" CCD imager with 290K (effective) pixels provides great detail and clarity, with exceptional analog video performance.


### 20X Optical/990X 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.


### ▶ Backward Compatibility

The DCR-TRV460 is capable of playing back 8mm, Hi8 and Digital8 video tapes for maximum convenience for those who have an existing library of analog cassettes.


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

 Provides excellent viewing clarity with improved resolution. The high-resolution 123K pixels LCD rotates up to 270-degrees for multiple viewing angles providing a sharp detailed images for monitoring or playback.


### InfoLithium® Battery with AccuPower™ Meter System

 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.

### Digital Still Memory Mode Capable with Memory Stick® Media

 Digital Still Memory Mode captures high-quality still images at 640 x 480 resolution directly to Memory Stick or Memory Stick PRO™ Media. Images are stored in the JPEG format providing easy transfer to PCs for emailing, printing or sharing with friends and family.


### MPEG Movie EX Mode

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


### SteadyShot® Picture Stabilization System

 Picture stabilization system that uses motion sensory to detect and compensate for camera "shake" without compromising picture quality like some other digital stabilization systems.

### 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.


### Easy Dubbing

Connect the Handycam camcorder to a VCR deck to make VHS copies of your home videos quickly and easily. The camcorder will control up to 59 brands of VCRs.


### Super NightShot Plus Infrared System

 An advanced version of Sony's NightShot® Infrared system that allows users to record natural color images in low-light conditions, but without the blurring common with other low-light recording systems.


### Stamina® Battery Power Management System

 Using the optional NP-QM91D InfoLithium® battery the DCR-TRV460 can continuously record up to 10 hours on one complete charge, providing extra long battery life.

### Program AE (Auto Exposure) Modes

 Program AE modes make recording easy even when filming in challenging situations. Choose from Portrait, Beach & Ski, Sports Lesson, Landscape, Spotlight, Sunset & Moon modes.

### Picture Effects

 Get creative when recording or playing back videos with Sony's Picture Effect modes. Effects available in Camera mode: Negative Art, Sepia, Monotone, Solarize, Pastel and Mosaic. Effects available in Playback mode: Negative Art, Sepia, Black & White and Solarize.

### End Search

Advances the video tape to the last 5 seconds of the recorded scene. This prevents accidentally recording over previous recorded videos.

### Fader Effects

Enhance your personal videos by adding professional looking fader effects. Choose from Black, Mosaic, White, Bounce, Overlap, Wipe, Monotone and Random Dot.

### Picture Package™ Software

Easily create fun music videos with the supplied software.

### ▶ STEP-UP FEATURE

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### ADDITIONAL FEATURES

Battery Information	Multi-Language Menu
Built-In White LED Light	Photo Mode
Easy Handycam Button	PictBridge™ Compatibility
Manual Focus	Titling

### SPECIFICATIONS

**Imaging Device:** 1/6" 460K Gross Pixel CCD  
**Video Actual:** 290K Pixels  
**Still Actual:** 290K Pixels  
**F:** 1.6-2.4  
**Focal Distance:** 2.5 – 50mm  
**35mm Conversion:** 42 – 840mm (Camera Mode)  
 42 – 840mm (Memory Mode)  
**Filter Diameter:** 37mm  
**Optical Zoom:** 20X  
**Digital Zoom:** 990X  
**Focusing:** Full Range Auto/Manual (Dial)  
**Minimum Illumination:** 4 Lux (0 Lux with NightShot Plus Infrared System)  
**NightShot® Infrared System:** Super NightShot Plus  
**Shutter Speed:** 1/4 – 1/4000 sec. (AE Mode)  
**Viewfinder:** Black and White, 90K Pixels  
**LCD:** 2.5" (123K) Color Touch Panel  
**Accessory Shoe:** N/A  
**Video Input/Output:** Yes/Yes (S-Video, Mini)  
**Audio Input/Output:** Yes/Yes (Stereo, Special)  
**i.LINK® DV Interface (IEEE1394):** Yes  
**USB:** 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  
**LANC (Accessory) Terminal:** N/A  
**Headphone Jack:** N/A  
**Mic. Input:** N/A  
**White Balance:** Auto  
**Exposure:** Yes, Touch Panel (24 Step)  
**Software OS Compatibility:** Microsoft® Windows® 98SE, Me, 2000, XP Home and Pro  
 Macintosh® OS X (10.1.5 or later)\*\*  
**Power Consumption (VF/LCD/VF+LCD):** 2.9W/3.8W/4.1W  
**Dimensions (WHD):** 3 3/8" x 3 7/8" x 6" (85 x 98 x 151mm)  
**Weight:** 1 lb. 12oz. (800g) without Tape and Battery  
**Supplied Accessories:** AC-L15 Power Adaptor/In Camera Charger, NP-FM30 InfoLithium® Rechargeable Battery, Mono A/V Cable, Lens Cap, USB Cable, Shoulder Strap, CD-ROM with USB Driver (Picture Package™ Software Ver. 1.0 for Sony), RMT-831 Wireless Remote Commander® Remote Control

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### worry FREE™ BATTERY LIFE

Battery* (Fully charged)	Continuous Record Time VF/LCD/VF+LCD	Continuous Playback Time LCD On/Off
NP-FM30	105/80/70 min	80/120 min
NP-FM50	170/130/120 min	135/195 min
NP-QM71D	415/315/290 min	335/465 min
NP-FM91/QM91D	625/475/445 min	505/695 min

\*Results may vary depending upon conditions



### MEMORY MODE



Memory Stick® Media¹	Fine 640 x 480	Standard 640 x 480	Memory Stick Pro™ Media¹	Fine 640 x 480	Standard 640 x 480
8MB	50	120	256MB	1400	3550
16MB	96	240	512MB	2850	7200
32MB	190	485	1GB	5900	14500
64MB	390	980			
128MB	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

MSA-32A/64A/128A Memory Stick® Media	VCL-0637H Wide Angle Lens
MSA-128S2 Memory Stick® Media with Memory Select Function	VCL-HG0737X High Grade Wide Angle Lens
MSX-256/512/1G Memory Stick PRO™ Media	VCL-ES06A Wide Angle Lens
AC-SQ950D AC Quick Charger for Super Quick batteries	VCL-ES20A Telephoto Lens
AC-VQ850D AC/DC Adaptor Quick Charger	VCL-R2037X High Grade Telephoto Lens
PC-VM50 Portable AC Charger	VF-R37K Natural Density Filter Kit
DCC-L50 Car Battery Adaptor Cable	VF-37PK Polarizing Filter Kit
LCS-VA2 Carrying Case	VCT-R610 Tripod
LCS-VA1 Carrying Case	VCT-R610 Lightweight Tripod
ACC-KITFM50 Handycam Camcorder Starter Kit	VCT-TK1 Pocket Tripod

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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. Actual available memory in MBs is: 8=7.5, 16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940MB

\* 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.