

**PRELIMINARY**

**Digital8® Handycam® Camcorder**

Stepping into the Digital age has never been easier with the DCR-TRV280. Featuring Digital Recording along with SteadyShot® Image Stabilization and NightShot® Plus Technology.

## Digital 8



### Digital8 Recording

The 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 along with outstanding digital video performance.

### 20X Optical/990X Digital Zoom

The optical zoom helps to bring the action close up 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.

### SteadyShot® Picture Stabilization System

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

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

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

### USB Streaming

Stay connected to family and friends by broadcasting live video with audio over the internet using the USB interface. You can even playback your favorite recorded scene on the camcorder's tape. It's like having your own video conferencing system.

### i.LINK®1 DV Interface

A digital high-speed bi-directional interface which provides Audio/Video communication between two compatible devices. This connection allows for pure digital transfer between devices equipped with an IEEE1394 interface, such as camcorders, digital VTRs, capture cards and PCs.

### InfoLithium® Battery with AccuPower™ Meter System<sup>2</sup>

Charge the battery at anytime 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 either the viewfinder or on the LCD screen.

### Multi-Language Menu

Change the menu display from English to English (Simplified), Canadian French, Latin American Spanish, Brazilian Portuguese, Korean or Traditional Chinese.

### Easy Dubbing

Connect the Handycam camcorder to a VCR to effortlessly make VHS copies of your home videos. The camcorder can control up to 59 brands of VCRs.

### NightShot® Plus Infrared System

With Sony's NightShot Infrared System you can capture natural looking video, even when shooting in low light. Record subjects up to 10 feet away using the built-in infrared system, but without the overall monochrome color common with earlier low-light recording systems.

### Stamina® Battery Power Management System

Using the optional NP-QM91D InfoLithium® Battery, the DCR-TRV280 can continuously record for up to 12 hours on a single full charge (with LCD screen off), 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 or Sunset & Moon modes.

### Picture Effects

Get creative when recording or playing back your videos with Sony's Picture Effect Modes. Effects available in Camera mode: Negative Art, Sepia, Monotone, Solarize, Slim, Stretch, Pastel and Mosaic.

### End Search

Automatically advances the video tape to the last 5 seconds of the recorded scene. This prevents accidentally recording over previously recorded videos.

### Fader Effects

Enhance your personal videos by adding professional looking fader effects. Choose from Black, Mosaic, White, Monotone and Stripe.

### Titling

Add professional looking titles to your video. Select from 8 presets, or customize 2 titles with up to 22 characters.

### Battery Information

At the touch of a button, battery information is displayed on the LCD screen when charging and when the camcorder is turned off. The display will show how much the battery is charged, in 10% increments and the recordable time left when using the LCD screen or in the viewfinder.

### Photo Mode

Using Sony's Adaptive Frame Interpolation for better image quality, you can store hundreds of individual still images with 7 seconds of audio on the videotape.

### Built-In White LED Light

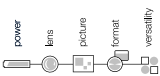
Brighten your video, and reduce shadows when shooting in low-light situations. The LED light uses considerably less power than bulb-based light systems, with the same light output.

### Manual Focus

Allows the user to manually adjust the focus of the camcorder using the dial. Manual focusing also allows the user to control the focus in difficult situations where either the environment or the subject does not allow the camcorder's auto focus to perform optimally, such as when shooting through a window or in a crowded environment.

### Easy Handycam Button

Using a camcorder can be intimidating for some people, so with a press of the Easy Handycam button, most of the advanced features of the camcorder are "locked out" leaving only the buttons essential for recording operational.



worryfree digital video

Sony. Engineered to be effortless.

LIKE NO OTHER™

**HANDYCAM**

## Digital8® Handycam® Camcorder

## Specifications

**Imaging Device:** 1/6" 460K Gross Pixel CCD  
**Video Actual:** 290K Pixels  
**Still Actual:** N/A  
**F:** 1.6 – 2.4  
**Focal Distance:** 2.5 – 50mm  
**35mm Conversion:** 42 – 840mm  
**Filter Diameter:** 37mm  
**Optical Zoom:** 20X  
**Digital Zoom:** 990X  
**Focusing:** Full Range Auto/Manual (Dial)  
**SteadyShot Image Stabilization:** Yes  
**Minimum Illumination:** 4 Lux (0 Lux with NightShot Infrared System)  
**NightShot® Infrared System:** NightShot Plus  
**Shutter Speed:** 1/60 – 1/4000 (AE Mode)  
**Viewfinder:** Black and White, 90K Pixels  
**LCD:** 2.5" Color (123K)  
**Accessory Shoe:** N/A  
**Video Input/Output:** No/Yes (Special)

**Audio Input/Output:** No/Yes (Stereo, Special)

**USB:** Yes

**USB Streaming:** Yes

**LANC (Accessory Terminal):** N/A

**Headphone Jack:** N/A

**Mic. Input:** N/A

**White Balance:** Auto

**Exposure:** Yes, Dial (24 Steps)

**Power Consumption (VF/LCD/VF+LCD):**  
2.5W/3.4W/3.6W

**Dimensions (WHD):** 3 3/8" x 3 7/8" x 6"  
(85 x 98 x 151mm)

**Weight:** 1 lb. 11 oz (780g) w/out Tape and Battery

**Supplied Accessories:** AC-L15 Power Adapter/  
In-Camera Charger, NP-FM30 InfoLithium® Rechargeable  
Battery, AV Cable, USB Cable, Lens Cap, Shoulder Strap,  
CD-ROM with USB Driver (PicturePackage™ Software Ver.  
1.5 for Sony)

## Service and Warranty

1 Year Parts

90 Days Labor

**UPC Code:** 02724266627

## Optional Accessories

AC-SQ950D Quick Charger for Super Quick Batteries  
 AC-VQ850D AC/DC Adapter Quick Charger  
 DC-VM50 Portable AC Charger  
 DCC-L50 Car Battery Adapter Cable  
 NP-FM50/QM71D/FM91/QM91D High Capacity  
InfoLithium™ Batteries  
 LCS-VA2 Carrying Case  
 LCS-VA1 Carrying Case  
 ACC-KITFM50 Handycam Camcorder Starter Kit  
 VCL-0637H Wide Angle Lens  
 VCL-HG0737X High-Grade Wide Angle Lens  
 VCL-ES06A Wide Angle Lens  
 VCL-ES20A Telephoto Lens  
 VCL-R2037X High Grade Telephoto Lens  
 VFR-37K Neutral Density Filter Set  
 VF-37PK Polarizing Filter Kit  
 VCT-R610 Lightweight Tripod  
 VCT-TK1 Pocket Tripod

## Battery Life\*



Battery (Fully Charged)	Continuous Record Time VF/LCD/VF+LCD	Continuous Playback Time LCD On/Off
NP-FM30	125/90/80 min	100/150 min
NP-FM50	200/145/135 min	160/240 min
NP-QM71D	485/355/335 min	390/580 min
NP-FM91/QM91D	725/535/505 min	585/865 min

\* Results may vary depending upon conditions.

1 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.

2 Designed for use with compatible Sony InfoLithium® batteries.

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Sony Electronics, Inc.

16765 West Bernardo Dr., San Diego, CA 92127

[www.sony.com/di](http://www.sony.com/di)

For more information: 1.800.222.SONY