

The CCD-TRV138 provides high quality video and audio recording. It includes NightShot® Plus Infrared Recording for capturing video in No Light (0 Lux) and provides a built-in light LED for capturing video in vivid color while in difficult lighting situations.

- **Video Hi8™ Recording**  
Records outstanding video quality up to 400 lines of horizontal resolution with Hi-Fi sound on affordable 8mm and Hi8 tapes.
- **1/6" CCD Imager, 320K Pixels Gross**  
1/6" CCD Imager with 200K (effective) pixels provides great detail and clarity along with exceptional analog video performance.
- **20X Optical/990X Digital Zoom**  
The optical zoom helps to bring the action close up from far away. In addition, with the Digital Zoom and interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zooms.
- **2.5" SwivelScreen™ LCD Display<sup>3</sup> (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.
- **InfoLithium® Battery with AccuPower™ Meter System<sup>1</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, without the monochrome color common with earlier low-light recording systems.
- **Stamina® Battery Power Management System<sup>2</sup>**  
Using the optional NP-QM91D InfoLithium® Battery, the CCD-TRV138 can continuously record for up to 16 hours on a single full 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 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.
- **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.



Specifications

General

Imaging Device: 1/6" CCD  
Pixel Gross: 320K  
Recording Media: Standard 8mm, Hi8  
Recording and Playback Times: SP: 2 h, LP: 4 h, Fast Forward/Rewind Time: 5 min.(using 120 min. H8)  
Video Actual: 200K Pixels  
Still Actual: N/A

Audio

Dolby® Digital Output: AFM Hi-Fi Mono  
Recording System: Monaural

Convenience

USB Streaming: N/A  
SteadyShot® Image Stabilization: N/A  
Accessory Shoe: N/A  
White Balance: Auto  
Memory Stick PRO™ Media Compatibility: N/A  
Still Image Mode(s): N/A  
Minimum Illumination: 1 Lux (0 Lux with NightShot® Infrared System)  
Low Light Capability: NightShot® Plus

Inputs and Outputs

LANC Terminal: N/A  
Analog Audio/Video Input(s): Yes (Mini Plug)  
Analog Audio/Video Output(s): Yes (Mini Plug)  
Digital Audio/Video Input(s): N/A  
Digital Audio/Video Output(s): N/A  
USB Port(s): N/A  
i.LINK® Interface: N/A  
Component Video (Y/Pb/Pr) Output(s): N/A  
Headphone Jack: N/A  
Microphone Input: N/A  
Remote Jack: N/A  
S-Video Input(s): N/A  
S-Video Output(s): N/A

Hardware

LCD: 2.5" (123K Pixels SwivelScreen™ LCD Display)<sup>3</sup>  
Lens Type: Combined Power Zoom Lens  
Viewfinder: Black and White (90K Pixels)  
Docking Station: N/A  
Microphone: Yes (Built-in)

Optics/Lens

35mm Equivalent: 42-840mm  
Aperture: f1.6-f2.4  
Exposure: Dial (24 Steps)  
Filter Diameter: 37mm  
Focal Distance: 2.5-50mm  
Focus: Full Range Auto, Manual (Dial)  
Progressive Shutter Mode: N/A  
Shutter Speed: 1/60-1/4000 (AE Mode)  
Optical Zoom: 20X  
Digital Zoom: 990X

Power

Power Consumption: 1.8W/2.7W/2.9W (VF/LCD/VF+LCD)  
Battery Type: InfoLithium® with AccuPower™ Meter System (NP-FM30)  
Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)

Service and Warranty Information

Limited Warranty: 1 Year Parts; 90 Days Labor

Software

Operating System Compatibility: N/A

Supplied Software: N/A

Video

Video Recording System: 2 Rotary Heads, Helical Scanning FM System  
Video Signal System: NTSC color, EIA standards  
Analog-to-Digital Converter: N/A

Dimensions

Weight: 1 lb. 11 oz. (780g) main unit only; 2 lbs. (890g) inc. NP-FM30 Rechargeable battery pack, cassette, lens cap and shoulder strap  
Measurements: 3 3/8" x 3 7/8" x 6" (85 x 98 x 151mm)

Supplied Accessories

Power Adapter/In-Camera Charger (AC-L15)  
InfoLithium® Rechargeable Battery (NP-FM30)  
AV Cable  
Lens Cap  
Shoulder Strap

Optional Accessories

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

UPC Code: 027242666597

worryfree<sup>digital</sup>video

Sony. Engineered to be effortless.

BATTERY LIFE<sup>1</sup>

Battery <sup>1</sup> (Fully charged)	Continuous Record Time VF/LCD/VF+LCD	Continuous Playback Time LCD On/Off
NP-FM30	175/115/105 min	115/185 min
NP-FM50	280/185/170 min	185/295 min
NP-QM71D	675/445/415 min	445/715 min
NP-QM91D	1010/670/625 min	670/1070 min

1. Designed for use with compatible Sony InfoLithium® batteries.  
2. Actual battery life may vary based on product settings, usage patterns and environmental conditions.  
3. Viewable area measured diagonally

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