DCR-TRV18

Digital Handycam® Camcorder

FEATURES

▶ 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.

1/4" Advanced HAD™ CCD Imager, 680K Pixels Gross

1/4" CCD with 340K (effective) pixels provides stunning detail and clarity, with exceptional video and still image performance. Realize good looking digital still images utilizing 340K (effective) pixels.

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.

Up to 500 Lines of Horizontal Resolution

Sony's Advanced HAD CCD technology, combined with Carl Zeiss® optics, provide outstanding video performance with up to 500 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.

2.5" SwivelScreen™ LCD Display (123K Pixels)

The 2.5" SwivelScreen 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.

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 still images at 640 x 480 resolution, directly onto Memory Stick media. Images are stored in a JPEG format providing easy transfer to PCs for emailing, printing, or sharing with family and friends.

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 IEEE 1394 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.

USB Interface

USB interface provides an easy way to connect the Digital Handycam camcorder to computers for fast transfer of digital images and MPEG movies stored on Memory Stick media to the PC.

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.

Super NightShot and Color Slow Shutter

With Sony's Super NightShot, 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.

▶ STEP-UP FEATURE

DCR-TRV18

ADDITIONAL FEATURES

- Stamina® Power Management System
- Progressive Shutter System
- Photo Mode
- Photo Save
- Playback Zoom
- PIM (Print Image Matching)
- Print Mark
- Digital Program Editing
- Picture Effect Modes
- Interval/Frame Recording
- Index Titling
- Intelligent Accessory Shoe
- Burst Mode

SPECIFICATIONS

Imaging Device: 1/4", 680K Gross Pixels Advanced HAD CCD
Video Actual: 340K
Still Actual: 340K
F: 1.7-2.2
Focal Distance: 3.3-33mm
35mm Conversion: 42-420mm (Camera Mode)
42-420mm (Memory Mode)
Filter Diameter: 30mm
Optical Zoom: 10X
Digital Zoom: 120X
Focusing: Full Range Auto/Manual
Minimum Illumination: 5 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, 640 x 480
MPEG Movie EX Mode: Yes, 320 x 240, 160 x 112
Viewfinder: Color (113K)
LCD: 2.5" Color (123K)
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 Steps)
Software OS Compatibility: Microsoft® Windows® 98SE, 2000, Me, XP; Macintosh® 8.5.1 - 9.1**
Power Consumption (VF/LCD/VF+LCD): 2.5W/3.3W/3.5W
Dimensions (WHD): 3" x 3 ¾" x 6 ½" (76mm x 93mm x 162mm)
Weight: 1 lb 8 oz (705g) w/Battery
Supplied Accessories: AC-L10 Power Adapter/In Camera Charger, NP-FM30 InfoLithium Rechargeable Battery, RMT-814 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)

worry FREE BATTERY LIFE

Battery* (Fully charged)	Rec Time VF/LCD/VF+LCD	Playback Time LCD On/Off
NP-FM30	125/90/85 min	100/135 min
NP-FM50	200/150/140 min	160/220 min
NP-FM70	415/310/295 min	335/450 min
NP-QM71	485/365/340 min	390/530 min
NP-FM91	725/550/520 min	585/785 min
NP-QM91	725/550/520 min	585/785 min

*Results may vary

MEMORY MODE

Memory Stick Media 640 x 480	Fine	Standard
8MB	80	120
16MB	160	240
32MB	325	485
64MB	650	980
128MB	1310	1970

MPEG MOVIE EX MODE

Memory Stick Media	Email Mode (160 x 112)	Presentation Mode (320 x 240)
8MB	5 min 20 sec	1 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

- AC-SC950D AC Quick Charger for Super Quick batteries
- AC-VQ850D AC/DC Adapter Quick Charger
- PC-VM50 Portable AC Charger
- DCC-L50 Car Battery Adapter Cable
- LCS-VA2 Carrying Case
- LCS-VA1 Carrying Case
- ACC-KITFM50 Handycam Camcorder Starter Kit
- VCL-0630S Wide Angle Lens
- VCL-R2030S Telephoto Lens
- VF-30PK Polarizing Filter Kits
- ECM-HS1 Stereo Zoom Microphone
- HVL-S3D 3-Watt Video Light
- HVL-IRH2 Infrared Light
- HVL-FDH3 3-Watt Flash/Video Light
- HVL-FH1100 High Quality Hinged Flash
- VCT-870RM Remote Control Tripod
- VCT-R610 Lightweight Tripod
- VCT-TK1 Pocket Tripod

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