

# DCR-TRV27

## Digital Handycam® Camcorder



### FEATURES

#### 1/4.7" Advanced HAD™ CCD Imager, 1.0 Mega Pixels Gross



1/4.7" Advanced HAD (Hole Accumulation Diode) CCD imager with 690K (effective) pixels

provides excellent detail and clarity, with exceptional digital video performance. Realize great looking digital still images utilizing 1000K (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.

#### 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.

#### 520 Lines of Horizontal Resolution

Sony's Advanced HAD™ CCD technology, combined with Carl Zeiss® optics, provide outstanding video performance with 520 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 (123K Pixels)

The 3.5" SwivelScreen™ LCD display provides excellent viewing clarity with improved resolution. The 123K pixel LCD display makes images sharp and detailed during playback or when monitoring recording.

#### 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 1152 x 864 resolution directly to Memory Stick® media. Images are stored in a JPEG format providing easy transfer to PCs for email, 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 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.

#### 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.

# DCR-TRV27

## ADDITIONAL FEATURES

Stamina® Power Management System	Print Mark
Progressive Shutter System	Digital Program Editing
14 Bit DXP A/D Conversion	Picture Effect Modes
Photo Mode	Interval/Frame Recording
Photo Save	Index Titling
Playback Zoom	Intelligent Accessory Shoe
PIM (Print Image Matching)	AE Bracketing
	Burst Mode

## SPECIFICATIONS

**Imaging Device:** 1/4.7" 1,070K Gross Pixels, Advanced HAD™ CCD

**Video Actual:** 690K

**Still Actual:** 1,000K

**F:** 1.8-2

**Focal Distance:** 3.7-37mm

**35mm Conversion:** 50-500mm (Camera Mode)  
42-420mm (Memory Mode)

**Filter Diameter:** 30mm

**Optical Zoom:** 10X

**Digital Zoom:** 120X

**Focusing:** Full Range Auto/Manual

**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, 1152 x 864, 640 x 480

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

**Viewfinder:** Color (113K)

**LCD:** 3.5" 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

**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/4.6W/4.9W

**Dimensions (WHD):** 3" x 3 3/4" x 6 1/2" (76mm x 93mm x 162mm)

**Weight:** 1 lb 10 oz (745g) w/Battery

**Supplied Accessories:** AC-L10 Power Adapter/In Camera  
Charger, NP-FM50 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)

# SONY

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

## 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	145/105/95 min	135/200 min
NP-FM70	305/220/205 min	275/415 min
NP-QM71	355/255/240 min	325/485 min
NP-FM91	535/390/365 min	490/725 min
NP-QM91	535/390/365 min	490/725 min

\*Results may vary



## MEMORY MODE



Memory Stick Media	1152 x 864/640 x 480		
	Super Fine	Fine	Standard
8MB	12/40	25/80	37/120
16MB	25/80	50/160	74/240
32MB	51/160	100/325	150/485
64MB	100/325	205/650	300/980
128MB	205/650	415/1310	600/1970



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