

DCR-IP7BT

Network Handycam® IP



FEATURES

MICROMV™

Sony's first tape based consumer MPEG2 recording format. The MICROMV media is 70% smaller than Mini DV media, allowing camcorders to be even smaller, while still providing high quality video comparable to Mini DV.

MPEG2

MPEG2 (Motion Pictures Experts Group) is a compression technology that is PC friendly and provides video quality comparable to DV. MPEG2 compression is widely used in digital satellite broadcasting and DVD players. PC editing has never been easier than with the supplied MPEG2 compatible MovieShaker™ software version 3.1.


1/6" Advanced HAD™ CCD, 680K Pixels

1/6" CCD with 680,000 pixels provides stunning detail and clarity. The Advanced HAD (Hole Accumulation Diode) CCD allows 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) which is particularly effective when shooting in dark situations.

Resolution

Up to 500 lines of horizontal resolution realized through a combination of advanced optics, CCD imager and signal processing technologies which result in a higher level of video resolution.

▶ Network Connectivity with Bluetooth™ Technology

™ Connect the camera wirelessly, via Bluetooth™ enabled network technology, to the Internet. This PC free connection allows wireless transfer of still images and MPEG1 movies, captured on Memory Stick® media, via the supplied Bluetooth adapter (BTA-NW1). Images and MPEG movies can be emailed to family and friends, or shared via Sony's ImageStation™ service on the World Wide Web. You can even browse the Internet wirelessly.

Professional Quality Carl Zeiss® Vario-Sonnar Lens

The Carl Zeiss® lens has an advanced optical multi-layered coating offering less glare and flare with increased contrast for improved detail and clarity.

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 cleaner, with less distortion than previous types of digital zoom.

▶ Digital Still Memory Mode with Memory Stick® Media



Digital Still Memory Mode captures digital still images at 640 x 480 resolution, directly onto Memory Stick® media for easy transfer to PCs for email, printing or sharing with family and friends.

▶ MPEG Movie AD Mode



MPEG Movie AD captures MPEG1 compressed video and audio directly to Memory Stick media. Select from four modes Light, Standard, Fine, and Super Fine. Record small MPEG Movies with video and audio which are ideal for email to family and friends via the internet.

▶ USB Interface



USB Interface provides an easy way to connect MICROMV Handycam camcorders to computers for fast transfer of digital still images and MPEG movies.

▶ Progressive Shutter System

Mechanical shutter system that provides Progressive Scan performance while utilizing an interlaced scanning system. Digital still images will be sharp and clear with excellent definition.

2.5" Precision SwivelScreen™, Hybrid LCD Display (211K)

The 211,000 pixel LCD provides excellent viewing clarity with improved resolution. The Hybrid system consist of a transmissive LCD combined with a reflective LCD. By turning off the LCD backlight, it will capture more ambient light virtually eliminating LCD "wash-out". Images will be visible in the LCD even in the most challenging lighting conditions.

Precision Color Viewfinder (180K)

Increased pixel count provides more detail and clarity of video subjects.

Super SteadyShot® Picture Stabilization



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 any degradation of the video like some other image stabilization systems.

i.LINK®* MICROMV Interface (IEEE 1394)



Allows high speed bi-directional digital communication between two devices equipped with a MICROMV IEEE 1394 interface, including PCs and other MICROMV Handycam camcorders.

Cassette Memory

Each MICROMV cassette comes equipped with a built-in 64KB Memory Chip that stores Custom Titles, valuable cassette information such as cassette ID and usage dates, and thumbnail image information from the beginning of a recorded video scene. Thumbnail images allow for easy access to recorded scenes.

Multi-Picture Search

Exclusive to MICROMV is the ability to provide thumbnail images of all recorded scenes, allowing quick and easy access to your favorite video memories.

▶ STEP-UP FEATURE

DCR-IP7BT

ADDITIONAL FEATURES

InfoLithium® Battery with AccuPower™ Meter System
 Memory Mix Modes
 Preset Exposure

White Balance
 16:9 Wide Mode
 8 Picture Effects
 6 Digital Effects
 8MB Memory Stick Media

SPECIFICATIONS

Imaging Device: 1/6" 680K Gross Pixels, Advanced HAD™ CCD

Video Actual: 340K Pixels

Still Actual: 340K Pixels

F: 1.7-2.3

Focal Distance: 2.3 – 23mm

35mm Conversion: 44 – 440mm (Camera Mode)

44 – 440mm (Memory Mode)

Filter Diameter: 30mm

Lens Type: Carl Zeiss® Vario-Sonnar

Optical Zoom: 10X

Digital Zoom: 120X

Focusing: Full Range Auto/Manual (Menu)

Minimum Illumination: 7 Lux

Shutter Speed: Auto, 1/4 - 1/750 (Program AE Mode)

Memory Mode: Yes, JPEG (640 x 480)

MPEG AD Movie Mode: Yes, Light (144 x 96), Standard (144 x 96),

Fine (352 x 240), Super Fine (352 x 240)

LCD: 2.5" Precision SwivelScreen™ Hybrid Color LCD, 211K

Viewfinder: Precision Color (180K Pixels)

Accessory Shoe: No

Video Input/Output: Yes/Yes, Composite (Special), S-Video (Special)

Audio Input/Output: Yes/Yes (Special, Stereo)

i.LINK® MICROMV Interface (IEEE1394): Yes, 4 Pin

USB: Yes

Headphone Jack: No

Mic-Input: No

White Balance: Auto, Indoor, Outdoor, Hold

Exposure: Auto, Manual Preset (24 Steps)

Power Consumption (VF/LCD/VF+LCD): 3.5W/4.2W/4.5W

Software OS Compatibility: MovieShaker™ 3.1, Microsoft®

Windows® 2000, Me, XP (Digital Still Images/MPEG2 Movies);

MGI PhotoSuite® v8.01, Microsoft® Windows® 2000, Me, XP (Digital Still Images);

MGI VideoWave® III SE, Microsoft® Windows® 2000, Me, XP,

(MPEG1 Movies);

MGI PhotoSuite® SE v1.1, Macintosh® 7.6.1-9.0 (Digital Still Images)

Dimensions (WHD): 1 7/8 x 4 x 3 1/8" (47 x 103 x 80mm)

Weight: 12 oz (367g) with battery

Supplied Accessories: BTA-NW1 Bluetooth Adapter, RMT-817

Wireless Remote Commander® Remote, AC-L20 Power

Adapter, NP-FF50 InfoLithium Rechargeable Battery,

2 AA Batteries, USB Cable, 8MB Memory Stick Media,

A/V Cable, MGR-60 MICROMV Cassette, MGR-CLD Tape

Head Cleaner, Lens Cap, Wrist Strap

SONY

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* 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.

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worry FREE BATTERY LIFE

Battery* (Fully charged)	Rec Time VF/LCD/VF+LCD	Playback Time LCD On/Off
NP-FF50	80/65/60 min	65/80 min
NP-FF70	170/140/130 min	135/165 min

*Results may vary



MEMORY MODE



Memory Stick Media

640 x 480	Fine	Standard
4MB	39	58
8MB	80	120
16MB	160	240
32MB	325	485
64MB	650	980
128MB	1310	1970



MPEG MOVIE AD MODE (Approximate Times)

Memory Stick Media Image Size Frame Rate	Light 144 x 96 10 fps	Standard 144 x 96 10 fps	Fine 352 x 240 30 fps	Super Fine 352 x 240 30 fps
4MB	2 min	1 min	35 sec	20 sec
8MB	5 min	2 min	1 min	45 sec
16MB	10 min	5 min	2 min	1 min
32MB	20 min	10 min	5 min	3 min
64MB	41 min	20 min	10 min	6 min
128MB	82 min	41 min	20 min	13 min

OPTIONAL ACCESSORIES

MGR-60 MicroMV Cassette	VCL-R2030S Telephoto Lens
NP-FF50/FF70 InfoLithium Battery	VCL-0630S Wide Angle Lens
MSA-8A/16A/32A/64A/128A Memory Stick Media	VF-30CPKS Polarizing Filter Kit
MSAC-FD2MA Memory Stick Floppy Disk Adapter	VCT-610 Light Weight Tripod
MSAC-PC2 Memory Stick PC Card Adapter	VMC-IL4415 i.LINK 4 Pin/4 Pin Digital Video Cable
MSAC-US5 Memory Stick Optical Mouse	VMC-IL4615 i.LINK 4 Pin/6 Pin Digital Video Cable
MSAC-A8 Memory Stick Holder	DPP-SV55 Digital Photo Printer
	DPP-SV77 Digital Photo Printer with LCD