



DCR-DVD650

Legacy Handycam® Camcorder

Shooting high-quality video is easy with the Sony® DCR-DVD650 Handycam® Camcorder. The powerful 60x optical zoom lens gets you close to the action, while SteadyShot® Image Stabilization reduces blur. And with Hybrid recording technology, you can capture it all directly to a DVD, or to removable Memory Stick PRO Duo™ media.



1/8" Advanced HAD® CCD sensor

Offering a 680K (gross) pixel resolution, delivers stunning detail and clarity for exceptional video and still image performance.

Zoom (60x Optical, 2000x Digital)

Ideal for sporting events, wildlife, or distance shooting, the 60X optical zoom brings you closer to the action, so you can capture extremely tight shots, even from far away.

Carl Zeiss® Vario-Tessar® lens

Features precision-ground optics to help achieve the sharpness and contrast usually found in larger lenses, plus SteadyShot® image stabilization to help reduce blur caused by camera shake.

DVD-R/-RW/+RW and +R DL Compatible

Compatible with a variety of DVD formats [DVD-R/-RW/+RW and +R DL (Dual Layer)]. With DVD+RW media, there's no need to finalize the disc before playing it in a compatible DVD or Blu-ray Disc™ player.⁵

Hybrid Recording Technology

Lets you record digital videos and photos to your camcorder's built-in hard disk drive (HDD), or to removable Memory Stick PRO DUO™ or SD card media (both sold separately). You can even copy video or still images directly from the HDD to removable media—without a PC.

2.7" Touch Panel LCD Display³

Provides excellent viewing clarity with 123K pixel resolution. The display rotates up to 270 degrees for multiple viewing angles, as well as provides sharp, detailed images for monitoring or playback. The convenient touch panel allows easy access to menus and additional functionality such as spot focus and spot metering.

Film Roll Index

Previews the beginning of scenes and automatically creates indexes set at specified display intervals

Additional Features:

- Face Index Function
- Playback Zoom
- USB 2.0 Interface
- Power On by LCD
- Built-in Zoom Mic
- Color Viewfinder
- Sony® PMB (Picture Motion Browser) software⁹
- One Touch Disc Burn¹²
- Easy Handycam® Button

Specifications

IMAGER	
Imaging Device	1/8" Advanced HAD® CCD Sensor
Processor	N/A
Imager Pixel Gross Size	680k
VIDEO	
Video Actual 16:9	410k pixels
Video Actual 4:3	340k pixels
Video Resolution	720 x 480
Video Signal System	NTSC color, EIA standards
Video Format(s) Supported	SD (MPEG-2)
STILL PICTURE	
Still Actual 16:9	250k pixels
Still Actual 4:3	340k pixels
Still Picture Resolution	680k
AUDIO	
Audio Recording Format	Dolby® Digital 2ch stereo
Microphone	Built-in Zoom Microphone
MEDIA TYPE	
+R / -RW / +RW / +R DL	3" (8cm) DVD (DVD-R/DVD-RW/DVD+RW/DVD+R DL)®
Memory Stick PRO Duo™	Memory Stick PRO Duo™ Media (Sold Separately)
RECORDING CAPACITY	
Rec. / Playback +R / -RW / +RW / +R DL	Single Layer - HQ: 20 min., SP: 30 min., LP 60 min. Dual Layer - HQ: 35 min., SP: 55 min., LP: 109 min.
Rec. / Playback Memory Stick PRO Duo™	When using 16GB Memory Stick PRO Duo™ Media (sold separately): Standard Definition: HQ = up to 235 min., SP = up to 340 min., LP = up to 715 min.
OPTICS AND LENS	
Lens Type	Carl Zeiss® Vario-Tessar®
35mm Equivalent 16:9	39 - 2340mm
35mm Equivalent 4:3	44 - 2640mm
Aperture	F1.8 - 6.0
Exposure Control	Yes
Filter Diameter (mm)	30mm
Focal Distance (mm)	1.8 - 108mm
Focus System	Full Range Auto/Manual (Touch Panel)
Progressive Shutter Mode	N/A
Shutter Speed	1/4 - 1/4000
Minimum Illumination	6 lux (Auto Slow Shutter On, 1/30 Shutter Speed)
Optical Zoom	60x
Digital Zoom	2000x
DISPLAY	
Display	2.7" touch panel ³ LCD display (123k pixels) ³
View Finder	Yes
HARDWARE	
Flash	N/A
Memory Stick PRO Duo™ Media Slot	Yes
Manual / Auto Lens Cover	Manual
Assignable Dial	N/A
S/S & Zoom Button on LCD	Yes
INPUTS & OUTPUTS	
Audio/Video Remote Terminal	Video/S Video/Audio
Analog Audio/Video Output(s)	Video/S Video/Audio
LANC Terminal	N/A
Digital Audio/Video Output(s)	N/A
USB Port(s)	Hi-speed (2.0 compliant)
i.LINK® Interface	N/A
Component Video (Y/Pb/Pr) Output(s)	N/A
S-Video Output(s)	Sold separately (via A/V Remote jack)
HDMI™ Connection Output(s)	N/A
Headphone Jack	N/A
Microphone Input	N/A
Active Interface Shoe	N/A

CONVENIENCE	
Hybrid	Yes
Hybrid Plus	No
Quick On	Yes, Power On with LCD
CONVENIENCE FEATURES	
Image Stabilization	SteadyShot® Image Stabilization
White Balance	Auto / Outdoor / Indoor / Onepush (Touch Panel)
Fader Effects	Black, White
Scene Selection Mode(s)	Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Sports, Beach, Snow
Face Index	Yes
Film Roll Index	Yes
Photo Capture from Movie	Yes
Still Image Mode(s)	JPEG
Slide Show Mode	Yes
Easy Handycam	Yes
Multiple Language Display	Yes
POWER	
Power Consumption	2.2W / 2.4W (VF/LCD)
Supplied Battery Type	InfoLITHIUM® with AccuPower™ Meter System (NP-FH30)
Power Requirements	7.2V (battery pack); 8.4V (AC Adaptor)
DIMENSIONS	
Dimensions (Approx.)	2 1/4 x 3 5/8 x 5 1/8 inch (55 x 89 x 130mm)
Weight (Approx.)	13oz (390g)
SUPPLIED ACCESSORIES	
AC Adaptor	AC-L200
Rechargeable Battery Pack	InfoLITHIUM® with AccuPower™ Meter System (NP-FH30)
Composite Video Cable	Yes (Included w/ AV Remote)
USB Cable	Yes
Application Software (CD-ROM)	PMB Ver.4.2.00 ⁹
SUGGESTED ACCESSORIES	
Rechargeable InfoLITHIUM Batteries	NP-FH50/FH70/FH100
Case	LCS-BBDB/R/L
Starter Kit	ACC-ASH6
AC Adaptor/Charger for H series batteries	AC-VQH10
Travel Charger	BC-TRP
Wide Angle Conversion Lens	VCL-HGE07A
Tripod	VCT-80AV
Video Light	HVL-10NH
Underwater Sports Pack	SPK-HCE
GPS Unit	GPS-CS3KA

FOOTNOTES	
3.	Viewable area measured diagonally.
6.	Use of Sony DVD-R and DVD-RW media recommended. DVD and Blu-ray Disc media/formats are not universally compatible.
9.	Requires Microsoft Windows XP SP3/ Windows Vista SP1. Not supported by Mac OS.
12.	One Touch Disc Burn feature requires DVDirect® recorder (sold separately) or compatible PC with supplied PMB software.

