



JOYFUL MOMENTS CAPTURED EFFORTLESSLY

Get more out of life's joyous moments with the ease and accessibility of Sony's MiniDV Handycam® Series. Combining easy-to-use features with superb picture quality, they put exceptional recording capabilities at your fingertips. Now, you'll always be able to capture and share those fun and happy moments with absolute ease.



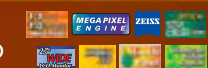
DCR-HC96

- 1/3" 3.31 Mega Pixels CCD
- Mega Pixel Engine
- Carl Zeiss® Vario-Sonnar T* Lens
- 10x Optical / 120x Digital Zoom
- High Quality 16:9 Wide Recording
- 2.7" Wide Hybrid LCD Screen with Touch Panel
- Handycam® Station
- Easy Handycam®



DCR-HC48

- 1/6" 1.07 Mega Pixels CCD
- Mega Pixel Engine
- Carl Zeiss® Vario-Tessar Lens
- 25x Optical / 2000x Digital Zoom
- High Quality 16:9 Wide Recording
- 2.7" Wide Hybrid LCD Screen with Touch Panel
- Handycam® Station
- Easy Handycam®



DCR-HC38

- 1/6" 800K (PAL) / 680K (NTSC) Pixels CCD
- Carl Zeiss® Vario-Tessar Lens
- 40x Optical / 2000x Digital Zoom
- 2.5" LCD Screen with Touch Panel
- Easy Handycam®



DCR-HC28

- 1/6" 800K (PAL) / 680K (NTSC) Pixels CCD
- Carl Zeiss® Vario-Tessar Lens
- 20x Optical / 800x Digital Zoom
- 2.5" LCD Screen with Touch Panel
- Easy Handycam®





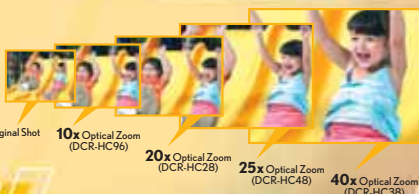
ENJOY MOVIES AND STILL IMAGES IN IMPRESSIVE DETAIL

With unique technologies from Sony especially designed to deliver the best imaging performance, you can be sure of excellent picture quality at each and every captured moment.

Optical and Digital Zoom

The powerful Optical Zoom capability allows you to focus tighter on your subject with no loss of image quality. Furthermore, with Digital Zoom you can greatly enlarge the image even further to view every detail.

(Varies with different models. Please refer to feature comparison chart on page 10.)



Carl Zeiss® Lens

Carl Zeiss® lenses are known for their high resolution, high contrast and excellent colour reproduction. Each Handycam® camcorder features one of the below Carl Zeiss® lenses for optimal image quality.

Vario-Sonnar T* (For DCR-HC96 only)

Enjoy the highest image quality with superior contrast and rich accurate colours at all times. This professional high-precision lens uses special multi-layer lens coatings to reduce unwanted light flares and image ghosting.

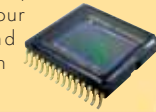


Vario-Tessar (For DCR-HC48, DCR-HC38 and DCR-HC28)

With the Vario-Tessar lens you can enjoy true-to-life recordings with high contrast and rich colours to bring out the best in every captured moment.

1/3" 3.31 Mega Pixels CCD (For DCR-HC96 only)

The large 1/3" 3.31 Mega Pixels CCD gives you added sensitivity for high-resolution movies and pictures even in low-light situations. This lets you view your videos and stills in fine detail and breathtaking quality on widescreen televisions as well as on photo prints.



1/6" 1.07 Mega Pixels CCD (For DCR-HC48 only)

Enjoy high-resolution video quality with smooth, natural colour tones and sharper detail. Great quality still images can be recorded at 1.0 Mega Pixel resolution (1152x864).



Mega Pixel Engine (For DCR-HC96 and DCR-HC48 only)

Exclusively from Sony, the Mega Pixel Engine works in conjunction with the high-resolution imaging sensor to deliver optimal video images and matchless still image quality. This unique Sony technology is designed to process enormous amounts of data at ultra-high speed resulting in images with high resolution, reduced noise and improved colour reproduction.



Super SteadyShot (Electronic)

Using built-in gyroscopic sensors, Super SteadyShot is able to automatically detect and compensate for the small shakes that occur naturally when recording without a tripod. This way you receive rock steady clear images in any recording conditions.



High Quality 16:9 Widescreen Recording (For DCR-HC96 and DCR-HC48 only)

Shoot cinematic widescreen movies in high-resolution. The wider 16:9 aspect ratio approximates the shape of the human visual field, making you feel like you are actually in the picture.



Wide Select Button (For DCR-HC96 and DCR-HC48 only)

Choose between the widescreen (16:9) or standard (4:3) aspect ratios easily by pressing the Wide Select button, located conveniently on the body of the Handycam®.



ENRICH AND ENHANCE

YOUR MOVIE-MAKING EXPERIENCE

Always designed with you in mind, each Handycam® camcorder from Sony comes with many intuitive and easy-to-use features to provide you with the best shooting experience possible.

2.7" Wide Hybrid LCD Screen

(For DCR-HC96 and DCR-HC48 only)



Shoot movies in a wide aspect ratio naturally with the large 2.7" Wide Hybrid LCD Screen. With a special coating, the LCD screen will remain clearly visible even in strong or reflected sunlight.

Touch Panel



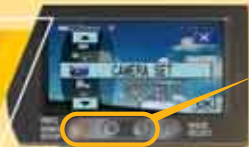
Browsing through the menu and activating the user-friendly Handycam® features is made simple with the intuitive touch panel LCD Screen.

Record Start/Stop and Zoom Buttons on LCD Frame

(For DCR-HC96, DCR-HC48 and DCR-HC38 only)



Start and stop recording or change the zoom simply by pushing a button on the LCD frame. This functionality allows for easy shooting from any angle.

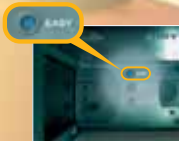


Enjoy better control with additional REC Start/Stop and Zoom buttons located on the side of LCD screen itself.

Easy Handycam®



With a simple press of the "Easy" button, all your Handycam® settings excluding the advanced functions will be set automatically, making operation simple even for first-time users. In addition, the font size will also be increased for easy viewing.



Smooth Interval Recording

(For DCR-HC96 and DCR-HC48 only)

Often referred to as time-lapse video, this feature allows you to experience long lasting events such as flowers blooming or clouds rolling across the sky within a few moments in a single smooth recorded video.



Super NightShot Plus



(NightShot modes vary with different models. Please refer to feature comparison chart on page 10.)

With Super NightShot Plus (Infrared system) you can capture natural looking video, even when shooting in low light. Record subjects up to 20 feet away using the built-in infrared system, but without the overall monochrome color common with other low-light recording systems.



Without Super NightShot Plus



With Super NightShot Plus

* Images taken in the NightShot modes cannot have the colours reproduced correctly.

Long Lasting Stamina



With the new ActiFORCE H Series InfoLITHIUM™ battery, you'll be able to enjoy up to 14.5 hours of continuous video recording* in a single charge and never have to worry about missing any important moments again.

* Please refer to specifications table on page 12 for recording time details for each Handycam and battery model.

ActiFORCE™ InfoLITHIUM™



NP-FH50 NP-FH70 NP-FH100



Battery Info

Even when the camcorder is turned off, Sony's unique "InfoLITHIUM™" technology can conveniently indicate the remaining battery life and the possible recording time in minutes on the LCD screen when you press the Battery Info button.



Display Guide

Switch on the Display Guide to check the meaning of each icon that appears on the LCD.

Memory Stick Duo™ Slot



(For DCR-HC96 and DCR-HC48 only)

The built-in Memory Stick Duo™ slot gives you the flexibility of saving your images onto a Memory Stick™ and then sharing them across a wide range of devices.



SHARE YOUR CREATION WITH FRIENDS AND LOVED ONES

With the included software application and a variety of connection options, you can get more out of your videos and still images after you capture them.

Picture Motion Browser Software

(For DCR-HC48 and DCR-HC38 only)

Picture Motion Browser is a software application that lets you perform a variety of functions:

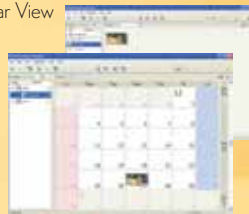


Importing:

With the i.LINK connection, it is possible to import videos to the PC's hard drive and save them to your viewed folder.

Browsing and Organizing:

Browse and organize your images and videos in either Folder View, or Calendar View with thumbnails sorted by Year, Month, or Hour as you prefer.



Editing:

This function lets you edit out unnecessary recorded video sections and keep only the video you want.

You can also extract and save still images from the recorded footages. After editing, you can export and save the videos back to the MiniDV tape in your camcorder.



Extract still images from video



Export edited videos to MiniDV Tape

Picture Package™

(For DCR-HC96 only)



Add text and special effects to your home videos quickly and easily with the Picture Package™ software application. And with the handy Picture Package™ Duplicator function, you'll be able to share your creations in a snap with your friends and family.



PictBridge™

(For DCR-HC96 and DCR-HC48 only)



You can now print pictures by connecting your Handycam® directly to a PictBridge™ compliant printer via a USB cable without using a PC anymore. Simply select the image and number of copies to be printed, and the LCD display will keep track of the print status for you.

Handycam® Station

(For DCR-HC96 and DCR-HC48 only)



Connect your Handycam® to a wide range of devices with the innovative Handycam® Station supplied. Simply place your Handycam® onto the cradle and you can playback your movies on almost any PC or TV while recharging your battery automatically.



FEATURE COMPARISON

Key Features	DCR-HC96	DCR-HC48	DCR-HC38	DCR-HC28
Image Sensor Type	1/3" 3.31 Mega Pixels CCD	1/6" 1.07 Mega Pixels CCD	1/6" 800K(PAL) / 680K(NTSC) CCD	1/6" 800K(PAL) / 680K(NTSC) CCD
Mega Pixel Engine	Yes	Yes	-	-
Lens	Carl Zeiss® Vario-Sonnar T* (30mm Filter Diameter)	Carl Zeiss® Vario-Tessar (30mm Filter Diameter)	Carl Zeiss® Vario-Tessar (30mm Filter Diameter)	Carl Zeiss® Vario-Tessar (25mm Filter Diameter)
Zoom	10x Optical / 120x Digital	25x Optical / 2000x Digital	40x Optical / 2000x Digital	20x Optical / 800x Digital
Maximum Still Image Capture Resolution (4:3)	3.0 Mega Pixels (2016 x 1512)	1.0 Mega Pixels (1152 x 864)	-	-
High Quality 16:9 Widescreen Recording (Movie/Still)	Yes	Yes	-	-
Memory Stick Duo™ Slot	Yes	Yes	-	-
LCD Screen Size & Type	2.7" Wide Hybrid LCD Screen with Touch Panel	2.7" Wide Hybrid LCD Screen with Touch Panel	2.5" 4:3 LCD Screen with Touch Panel	2.5" 4:3 LCD Screen with Touch Panel
Record Start / Stop and Zoom Buttons on LCD Frame	Yes	Yes	Yes	-
Handycam® Station	Yes	Yes	-	-
Super SteadyShot (Electronic)	Yes	Yes	Yes	Yes
Easy Handycam®	Yes	Yes	Yes	Yes
Display Guide	Yes	Yes	Yes	Yes
Auto Lens Cover	Yes	-	-	-
Intelligent Flash	Yes	-	-	-
Tele Macro	Yes	Yes	-	-
NightShot Mode	Super NightShot	Super NightShot Plus	NightShot Plus	NightShot Plus
Viewfinder	123K Wide (4:3) Colour Viewfinder	123K Wide (16:9) Colour Viewfinder	123K Wide (16:9) Colour Viewfinder	123K Wide (16:9) Colour Viewfinder
Active Interface Shoe	Yes	-	-	-
PictBridge™	Yes	Yes	-	-
USB Streaming	Yes	Yes	Yes	-
Supplied Software	Picture Package Software	Picture Motion Browser Software	Picture Motion Browser Software	-
Battery Info Display	Yes	Yes	Yes	Yes
Dimensions (WxHxD)	72x91x120mm	63x85x114mm	63x85x114mm	65x79x113mm
Mass (w/o Tape, Battery, etc)	460g	400g	390g	360g

ENHANCE YOUR SHOOTING EXPERIENCE

Get more out of your Handycam® with these power and shooting accessories. Insist on genuine Sony accessories for quality assurance and the best compatibility with your Handycam®. Don't take risks with inferior third party products that may damage your camera.



BATTERIES & CHARGERS

Don't miss a shooting chance. Always keep a spare battery handy. A quick charger efficiently recharges your battery fast so you will never miss shooting a precious moment.



NP-FH50
Rechargeable Battery Pack
6.8V / 61 Wh (900mAh)

NP-FH70
Rechargeable Battery Pack
6.8V / 12.2 Wh (1800mAh)

NP-FH100
Rechargeable Battery Pack
6.8V / 27 Wh (3970mAh)

AC-VQH10
AC Adaptor / Dual Charger
InfoLITHIUM™ H & P Series

BC-TRP
Travel Battery Charger
Multi Voltage 100 - 240V

ACCESSORY KITS

Start off with these convenient recommended accessories. Get better savings from these value kits than buying each accessory separately.



ACC-DVH
Carrying Case, NP-FH50 & 60min MiniDV Tape

ACC-FH70
Carrying Case LCS-VA30 & NP-FH70

ACC-FH60
Carrying Case LCS-SRA & NP-FH60

SPORTS PACK

For fun in the pool, at the beach or in the snowy alps, Sports Pack shields your camera from the elements.



SPK-HCC
Sports Pack
5m Depth Rating

SOFT CARRYING CASES

Pick from a variety of soft cases that provide protection from the elements. Larger bags are great for packing in additional accessories, while just-fit cases are more compact.



LCS-VA9
Compact Carrying Case
180 x 130 x 110mm

LCS-VAC
Vertical Carrying Case
120 x 180 x 105mm

LCS-VA20
Basic Carrying Case
250 x 150 x 145mm

LCS-VA30
Case with Side Pockets
310 x 190 x 175mm

LCS-VA40
Premium Carrying Case
285 x 230 x 150mm

LCS-BBA
Protection Case with Wrist Strap
190 x 90 x 110mm

OPTICAL ACCESSORIES

Extend the optical capability of the built-in lenses with additional conversion lenses and filters. Add conversion lenses to broaden the view or to draw in the action.

WIDE CONVERSION LENS



Without Wide Conversion Lens



VCL-E07A
Compact 0.7x Wide-end Lens
One-touch Attachment



VCL-0625 5*
0.6x Wide Conversion Lens
25mm Ø Filter Diameter



VCL-HG0725*
0.7x Wide Conversion Lens
25mm Ø Filter Diameter



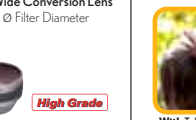
With Wide Conversion Lens



VCL-HA07A
0.7x Wide Conversion Lens
For 25/30/37mm Filter Diameter



VCL-0630X*
0.6x Wide Conversion Lens
30mm Ø Filter Diameter



VCL-HG0730X*
0.7x Wide Conversion Lens
30mm Ø Filter Diameter

TELE CONVERSION LENS



Without Tele Conversion Lens



VCL-2025 5*
2x Tele Conversion Lens
25mm Ø Filter Diameter



VCL-2030X*
2x Tele Conversion Lens
30mm Ø Filter Diameter



With Tele Conversion Lens



VCL-HG2025*
2x Tele Conversion Lens
25mm Ø Filter Diameter



VCL-HG2030*
2x Tele Conversion Lens
30mm Ø Filter Diameter

FILTERS

Correct unwanted reflections and brightness with glass filters.

POLARISING FILTERS



Without Polarising Filter



VF-25CPK 5*
Circular Polarising Filter
25mm Ø Filter Diameter



With Polarising Filter



VF-30CPKX 5*
Circular Polarising Filter
30mm Ø Filter Diameter

NEUTRAL DENSITY FILTERS



Without Neutral Density Filter



VF-R25NK*
ND8 Filter
25mm Ø Filter Diameter



With Neutral Density Filter



VF-R30NKX*
ND8 Filter
30mm Ø Filter Diameter

TRIPODS

Prop up your camcorder for steady and smooth pans.



VCT-D680RM
Tripod with Remote Grip
Max. Height: 1450mm,
Min. Height: 480mm



VCT-R640
Basic Tripod
Max. Height: 1441mm,
Min. Height: 548mm



VCT-D580RM
Tripod with Remote Grip
Max. Height: 1410mm,
Min. Height: 450mm

LIGHTS

Capture all the sight and sounds. Illuminate dark shooting environments with additional video lights.



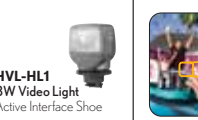
Without Video Light



HVL-HL1
3W Video Light
Active Interface Shoe

• Low light condition
• Bright backlight situation

HVL-10NH
10W Video Light
Powered by 4 Ni-MH AA Batteries
(For all models)



HVL-HFL1
3W Video Light & Flash
Active Interface Shoe

MICROPHONES

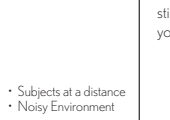
Improve your sound pickup with these microphones.



ECM-HW1
Wireless Remote Microphone
Bluetooth™ Operation
Active Interface Shoe



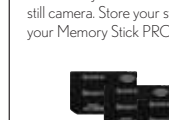
ECM-HST1
Stereo Microphone
Active Interface Shoe



ECM-HGZ1
Gun Zoom Microphone
Active Interface Shoe

MEMORY STICK™

(For DCR-HC96 and DCR-HC48 only)
Your Handycam™ can double as a still camera. Store your still shots in your Memory Stick PRO Duo™.



MSX-M4GS/X / M2GS/X / M1GS/X / M512S/X / M256S/X
Memory Stick PRO Duo™
IC Recording Media

* For DCR-HC28 only * For DCR-HC96, DCR-HC48 and DCR-HC38 only

Not all accessories are available in all countries. Please check with your local dealers.