



6MP CLEARVID CMOS HDV HANDYCAM HDRHC7

RRP: **\$2,299.00** AUD inc. GST

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Experience the amazing clarity and unprecedented realism of images captured with the High Definition Handycam HDRHC7. Created to be ultra-light and compact, it puts professional-quality imaging possibilities into your hands. Combining the power of Sony's ClearVid CMOS Sensor and Enhanced Imaging Processor with our well-known expertise in High Definition technology, the HDRHC7 will transform the way you capture and enjoy your home videos.

Capture 6.1MP Still images with your Handycam

When switched to still camera mode, the HC7 can capture 6.1 Megapixel still images. (Currently the highest Megapixel rating in the industry!) This is realized by the Enhanced Imaging Processor, which processes the huge amounts of pixel data retrieved from the improved ClearVid CMOS Sensor at high speed. The Dual Recording function makes it possible to record high-precision still images equivalent to 4.6 Megapixel even while shooting video.

Super SteadyShot (Optical Image Stabiliser)

Super SteadyShot (Optical) lets you shoot stable images with reduced blur even during telescopic shooting, when images tend to blur due to camera shake. The HDRHC7 employs Optical Active Lens, which uses a sensor to detect camera shake and a lens that is controlled to compensate for any vibration. This optical method efficiently reduces camera-shake blur, allows stable shooting, and maintains superior image quality without destroying any data obtained through the lens. Camera-shake blur is also reduced when shooting still images as well.

Manual Control (Assignable Dial)

Users can assign their favorite camera settings to the Manual button and adjust them with the Camera Control Dial for smooth manual operation and shooting according to preference. The shutter speed is also adjustable. When shooting still images, the shutter speed can be fixed to clearly freeze the moving object or intentionally blur it. With a level meter, the microphone sound level can also be adjusted to suit user preference. These and other manual functions heighten the enjoyment of shooting with the HC7.

Microphone and Headphone Jacks

For those needing to keep a close ear on the situation, microphone and headphone jacks will help you connect external devices to enhance your filming experience.

Record in Full HD 1080i on MiniDV

Using the advanced 1080 HDV standard as the recording format, the HDRHC7 records high-precision HD video on conventional MiniDV cassette tape. This media offers the same amount of recording time for the HDV standard as for the DV standard.

Outstanding Colour Reproduction - x.v.Colour

The HDRHC7 is compatible with the x.v.Colour or xvYCC colour space, which is an international standard for colour space in video endorsed by the IEC (International Electrotechnical Commission). This standard can express a wider colour range (1.8 times the current colour data range) than the currently used broadcast standard. When played back on an x.v.Colour-compliant TV, your recordings will come to life with rich natural colour like never before!



Key Features

- ▶ Record in Full High Definition Video 1080i
'Future-Proof' your memories recording in Full High Definition Video. Capturing once in a life-time moments in broadcast quality video preserves your memories in 4.5 times the definition of DV format. Using the same tapes as MiniDV recording, HDV uses the equivalent tape time as well as recording CD quality audio.
- ▶ ClearVid CMOS Sensor
Enjoy a wider dynamic range, smear-free images, high-sensitivity, high speed processing and lower power consumption with Sony's ClearVid CMOS Sensor. Using an entirely new pixel distribution, the ClearVid CMOS Sensor improves on conventional CMOS in terms of larger pixel size, unique 45 degree angle pixel layout and increased number of green pixels for higher pixel resolution and brightness.
- ▶ x.v.Colour
The HDRHC7 is compatible with the x.v.Colour or xvYCC colour space, which is an international standard for colour space in video endorsed by the IEC (International Electrotechnical Commission). This standard can express a wider colour range (1.8 times the current colour data range) than the currently used broadcast standard. When played back on an x.v.Colour-compliant TV, your recordings will come to life with rich natural colour like never before!
- ▶ Camera Control Dial
Users can assign their favorite camera settings to the Manual button and adjust them with the Camera Control Dial for smooth manual operation and shooting according to preference. The shutter speed is also adjustable. When shooting still images, the shutter speed can be fixed to clearly freeze the moving object or intentionally blur it. With a level meter, the microphone sound level can also be adjusted to suit user preference. These and other manual functions heighten the enjoyment of shooting with the HC7.
- ▶ Carl Zeiss Vario-Sonnar T* Lens
A professional, high-precision lens that uses the most advanced multi-layer coating to reduce unwanted flaring and ghosting. You'll enjoy ultra-high resolution images with superior contrast and true-to-life colours at all times.
- ▶ 2.7" WIDE Clear Photo Touch Screen LCD
Using Sony's unique high-definition colour filter technology, the 2.7" WIDE Clear Photo LCD Plus displays movies and images in enhanced colour and improved contrast as compared to other LCDs.
- ▶ Spot Focus and Metering
Adjust exposure and focus by simply touching on your subject on the LCD screen. Perfect for adjusting to extreme lighting conditions and moving scenes and subjects.
- ▶ Super NightShot
With Sony's Super NightShot 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 colour common with earlier low-light recording systems.
- ▶ Super SteadyShot
Picture stabilization system that uses motion sensors to detect and compensate for camera "shake" without compromising picture quality like some other digital stabilization systems.
- ▶ Easy Handycam Button
Using a camcorder can be intimidating for some people, so with a press of the Easy Handycam button, most of the advanced features of the camcorder are "locked out" leaving only the buttons essential for recording operational.
- ▶ Dual Record 4.6MP Still Image in "MOVIE" Rec Mode
Capture 4.6 Mega Pixel still images using the new ClearVid CMOS Sensor. Using a new processing algorithm, it effectively doubles pixel sensitivity, giving you crisp and clear still images. Enjoy the added option of recording 4.6 Mega Pixel still images while recording in movie mode using Dual Record.
- ▶ 6.1MP Still Image Capture
With the assistance of the New ClearVid CMOS Sensor, the HDRHC7 can capture 6.1MP Still Images.
- ▶ Record / Zoom Button on LCD Frame
Capture every shot with greater flexibility. You can start and stop recording simply by pushing a button on the LCD frame, making it easier to shoot from any angle, even high or low ones. Zooming can also be controlled through the Zoom Button, as well as on the LCD frame. Twist the LCD Frame around, and you can even take shots of yourself!
- ▶ HDMI Output
Equipped with HDMI output, the HDRHC7 is ready to output a full HDV 1080i signal to a range of HD compatible devices. Connect to V-Series Bravia LCDs for HDV playback using only one connection.
- ▶ High Quality 16:9 Widescreen Recording
Capture HDV 1080i widescreen movies and photos in 16:9 widescreen mode for cinematic enjoyment in your home.
- ▶ Smooth Slow Record with sound
With this new function, you'll be able to capture spectacular scenes that happen too quickly for the human eye. For more careful analyses you can slow down 3 seconds of footage over 12 seconds. Perfect for detailed studies of golf swings or racing starts – Smooth Slow Recording will capture every detail and movement!
- ▶ External Headphone & Microphone Jacks
Record and monitor audio levels using an external microphone and headphones.
- ▶ Actiforce H Series Battery
Enjoy spectacular battery life with the new Sony Actiforce™ H series Battery System. The supplied NPFH50 gives you 95 minutes of continuous recording time, while using the optional battery NPFH100 boosts this to nearly 8 hours! Charging time is also cut by 25% when using the optional Super Quick Charger. (ACVQH10)
- ▶ Microsoft Windows Vista® Compatible

Imaging Sensor

- ▶ Sensor Type: 1/2.9" (6.3mm) 2848H ClearVid CMOS

- ▶ No. of Pixels (Gross): Approx. 3200K pixels
- ▶ No. of Pixels "MOVIE" Rec (Effective): Approx. 2280K pixels (16:9)
- ▶ No. of Pixels "STILL" Rec (Effective): Approx. 3040K pixels (4:3)
- ▶ Carl Zeiss Lens: Vario Sonar T*
- ▶ Zoom: 10x Optical 2x/20x Digital
- ▶ F: 1.8 - 2.9
- ▶ f (Focal Distance): 5.4 - 54mm
- ▶ f (35mm Conversion) in "MOVIE" Rec position: 40 - 400mm (16:9)
- ▶ f (35mm Conversion) in "STILL" Rec position: 37 - 370mm (4:3)
- ▶ Filter Diameter: 37mm

Viewfinder

- ▶ Viewfinder: Colour
- ▶ Size/Dots: 0.69cm / 123,200 Dots

LCD

- ▶ Size: 6.9cm (16:9)
- ▶ No. of Pixels: 211,200 (960 x 220)
- ▶ Hybrid LCD Monitor: Yes
- ▶ Touch Screen Panel: Yes

Camera

- ▶ Focus System: Full range auto / manual
- ▶ Spot Focus: Yes (Touch Panel)
- ▶ Minimum Illumination: 3 lux (Auto Slow Shutter ON, 1/25 Shutter Speed)
- ▶ White Balance: Auto / outdoor / indoor / Onepush (Touch Panel)
- ▶ One-push Auto: Yes(Touch Panel)
- ▶ White Balance Shift: Yes (Dial & Touch Panel) (9 Step)
- ▶ Shutter Speed: 1/2 - 1/425 (Scene Selection)
- ▶ NightShot: Super NightShot
- ▶ Colour Slow Shutter: Yes
- ▶ Program AE modes: Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait, Spotlight, Beach, Snow
- ▶ 14-Bit DXP: Yes
- ▶ AE Shift: Yes (Dial & Touch Panel) (9Step)
- ▶ Exposure Controls: Yes (Dial & Touch Panel)
- ▶ Spot Meter: Yes (Touch Panel)
- ▶ Smooth Interval Recording: Smooth Slow (with Audio)
- ▶ Iris Control/Gain Control: Auto Only / Auto Only
- ▶ Zebra Pattern: Yes
- ▶ Guide Frame: Yes
- ▶ Histogram: Yes
- ▶ Fader Functions: Black / White / Mosaic / Monotone
- ▶ Picture Effects: Skin Tone, Mosaic, Solarization, Monotone, Sepia, Neg. Art, Pastel
- ▶ Digital Picture Effects: Still, Flash Motion, Slow Shutter, Trail, Old Movie, Cinematic Effect
- ▶ 16:9 Wide: Yes (High Quality)
- ▶ Steady Shot: Super SteadyShot (Optical)
- ▶ Easy Handycam Function: Yes
- ▶ Tele Macro: Yes

Audio

- ▶ Recording: HDV - MPEG1 Audio Layer2 Stereo DV - PCM Digital Stereo Recording (12/16bit)
- ▶ Playback: HDV - MPEG1 Audio Layer2 Stereo DV - PCM Digital Stereo Recording (12/16bit, 32k,44k,48k)

Camera (still image)

- ▶ Still Image Memory Stick REC in "MOVIE" Rec: 4.6M (16:9 3.4M (4:3)

Memory (still image)

- ▶ Recording Media: Memory Stick Duo, Memory Stick PRO DUO, Memory Stick PRO DUO (High Speed)
- ▶ Image Size: 6.1M (2848 x 2136) 4.6M (2848 x 1602 16:0 wide) 3.1M (2048 x 1536) VGA (640 x 480)
- ▶ Compression: JPEG
- ▶ PictBridge: Yes
- ▶ Interval REC: Yes
- ▶ Copy between TAPE/DVD/HDD to Memory Stick: Yes
- ▶ Playback Zoom: Yes
- ▶ Slide Show: Yes
- ▶ Built-in Flash: Yes

Memory (MPEG)

- ▶ Format: -
- ▶ MPEG MOVIE EX: -

Others

- ▶ Remote Control: RMT-832
- ▶ USB Streaming: -
- ▶ Direct Access to "Click to DVD": Yes
- ▶ Direct Access to Video CD Burn: -
- ▶ Start/Stop on LCD Frame: Yes
- ▶ Zoom Button on LCD Frame: Yes
- ▶ Weight: 550g (w/o tape or battery)
- ▶ Dimensions (W x H x D): 83 x 82 x138 mm
- ▶ Accessory Shoe: Active Interface Shoe
- ▶ Additional Features: External Microphone / Headphone Jacks

VTR

- ▶ Format: HDV / DV
- ▶ Signal Convert Function: -
- ▶ Playback Zoom: Yes

Connection

- ▶ Video (via Multi AV): Video Out / S Video Out / Audio Out Component Video Out
- ▶ HDMI: Yes
- ▶ External Microphone Input: Yes
- ▶ Interface Connector (for Handycam Station): -
- ▶ i.LINK: Yes
- ▶ Lanc: Yes
- ▶ USB Terminal: Yes (mini B / USB 1.0)
- ▶ DC In: Yes

Approx. continuous recording time (LCD off)

- ▶ NPFH30 (Actiforce): -
- ▶ NPFH40 (Actiforce): -
- ▶ NPFH50 (Actiforce): 80mins
- ▶ NPFH60 (Actiforce): 105mins
- ▶ NPFH70 (Actiforce): 170mins
- ▶ NPFH100 (Actiforce): 395mins
- ▶ NPPF30: -
- ▶ NPPF50: -
- ▶ NPPF70: -
- ▶ NPPF90: -

Supplied Accessories:

- ▶ iLink Cable
- ▶ CD-ROM
- ▶ Remote commander
- ▶ AC Adaptor
- ▶ Rechargeable Battery Pack NPFH60
- ▶ USB Cable
- ▶ A/V connecting cable
- ▶ Component Video Cable

Optional Accessories:

- ▶ ECMHW1 - WIRELESS MIC FOR ACTIVE INTERFACE SHOE
- ▶ ACL200 - AC ADAPTOR FOR INFOLITHIUM F/P SERIES
- ▶ VCTR640 - TRIPOD
- ▶ VCTD680RM - TRIPOD WITH REMOTE CONTROLLER (ACC TERM)
- ▶ VCTD580RM - TRIPOD WITH REMOTE CONTROLLER (ACC TERM)
- ▶ KKLC3 - LCD CLEANING KIT
- ▶ LCSVA20 - Soft Camcorder Carry Case - Basic Type
- ▶ HVLH1RL - 3W VIDEO LIGHT/ IR FOR ACTIVE INTERFACE
- ▶ NPFH100 - INFOLITHIUM H SERIES BATTERY PACK LARGE
- ▶ NPFH50 - INFOLITHIUM H SERIES BATTERY PACK SMALL
- ▶ ACCDVH - ACCY KIT FOR MINI DV HANDYCAM
- ▶ VMC15HD - HDMI CABLE 1.5M
- ▶ ACVQH10 - AC ADAPTER FOR H P S SERIES BATTERIES
- ▶ PCKL27W - LCD PROTECTOR FOR 2.7 INCH WIDE PANEL
- ▶ HVL10NH - BATTERY VIDEO LIGHT 10W

- ▶ ECMHST1 - COMPACT STEREO MIC FOR NEW INT ACCY SHOE
- ▶ VMC30VC - HIGH GRADE COMPONENT VIDEO CABLE
- ▶ NPFH70 - INFOLITHIUM H SERIES BATTERY PACK MEDIUM
- ▶ ACCFH70 - HIGH CAPACITY ACCY KIT FOR HANDYCAM
- ▶ VMC14UMB2 - 1.4m USB Cable for DSC/Camcorder
- ▶ RMVD1 - REMOTE COMMANDER FOR CAM. AND DSC
- ▶ VCT1170RM - TRIPOD WITH REMOTE CONTROLLER FOR HD CAM
- ▶ LCSBBA - SOFT CARRY POUCH
- ▶ VMC30FS - HIGH GRADE AV CABLE 10 PIN
- ▶ LCSVA9 - SMALL SIZE GENUINE SOFT CARRY CASE
- ▶ LCHMA - Memory Stick Carrying Case
- ▶ SPKHCC - FY07 SPORTS PACK
- ▶ HVLHL1 - 3W VIDEO LIGHT FOR NEW INT. ACCY SHOE
- ▶ LCSVA30 - Soft Camcorder Carry Case - Medium Grade
- ▶ LCMHCF - SEMI SOFT CASE FOR DVD AND MINI DV
- ▶ BCTRP - Compact AC Adaptor For P Series Battery
- ▶ VMC15FS - AV CABLE FOR MV CAMCORDERS
- ▶ ECMHGZ1 - GUN ZOOM MIC FOR NEW ACCY SHOE
- ▶ VFR37NK - 37mm Filter kit (Lens Protector, ND-8)
- ▶ VF37CPK - POLARISED FILTER FOR 37MM
- ▶ HVLHFL1 - VIDEO FLASH LIGHT FOR NEW INT.ACCY SHOE
- ▶ VCLHG1737C - HG TELE CONVERSION LENS FOR 37MM
- ▶ VCLHG0737C - HG WIDE CONVERSION LENS FOR 37MM

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