HDV - the Accessible HD Recording Format

HDV can be recorded on an Inexpensive DV Cassette Tape
Video and television technology, as well as camera performance, are moving from standard definition (SD) to high definition (HD) - just like black and white television moved to color in the past.
HDV has almost twice the number of scanning lines available than SD. The camera can use a much wider angle and frame more quickly when your work is viewed on a HDTV display monitor.
The HVR-HD1000P adopts the HDVF format for HD recording. The HDVF format allows you to shoot approximately 30 minutes of HD video on a miniDV cassette tape.
In contrast to HDV, this is the only miniDV format that utilizes a 3.48 MHz carrier frequency for the modulation. There are two standards of miniDV format. One is HDVF720P and the other is HDVF1080i, which has 1,080 scanning lines and is used by most broadcasters available in HD. The HVR-HD1000P has adopted the HDVF1080i standard for its miniDV products.

Full Compatibility with your Current DV System
The HVR-HD1000P offers benefits for SD productions, as well as HD. It is easy to use HDV recording for your current DV editing work. The HVR-HD1000P has a super-impressive feature that permits converted 4:3 signals through the color**1 conversion**2 to your current DV system.

High-quality Imaging System
1/2.9-inch ClearVid CMOS Sensor
The next generation of Sony imaging sensor, the ClearVid CMOS Sensor and the miniDV format, are a unique and different from current CMOS technology.
The ClearVid CMOS Sensor uses a unique pixel layout rotated 22.5 degrees to provide high resolution and high sensitivity. This pixel layout technology also used in higher end professional cameras. The ClearVid CMOS Sensor, coupled with the Sony Super HAD II*2, generates stunning images. Meanwhile, thanks to the CMOS technology, light-shedding no cause vertical smear.

Super SteadyShot**3 (Optical) Image Stabilizer
The Super SteadyShot (Optical) feature of the miniDV1080i is an image stabilizer using an active optical lens to reduce shake functions without any deterioration in image quality. The lens itself shifts vertically and horizontally to compensate for the possible light shake in real time.

Vertical smear

HDV Recording (1080i)

- Full Compatibility with your Current DV System
- Full HD Recording (1080i)
- HD and SD Editing / Monitoring (4:3) / HD Recording (16:9)

Options

**1 Other than HDVF (720P)**: 30 min tape per used. The PHDVM-63DM cassette tape for the HVR-HD1000P is designed to record in HDVF1080i format.

**2 This conversion refers to the HDVF1080i specification as the HDVF format.

**3 i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 interface. Not all products incorporating an IEEE 1394 interface are compatible and communicate.
A new camcorder has been created to meet the growing demand from users who are looking for mobility and professional appearance. The HVR-HD1000P features a shoulder-mount design and black matte body similar to that of professional camcorders, making it perfect for weddings, corporate communications, and sporting events where appearance makes a difference. Premium design characteristics and high-definition HDVTM1080i recording are the main features of this new one-piece shoulder camcorder, ideal for working videographers on a budget.

For working videographers starting out with a limited budget, the HVR-HD1000P camcorder provides flexibility and an amazing selection of features you'd find in a higher end professional camcorder, such as DVCAM recording/playback, AVI, DV, and DVCAM. It also enables slow-motion playback by capturing images at four times faster than the normal field rate (200 fields/s). In this mode, quad-speed images are captured for three seconds, stored in the buffer's buffer memory, and then recorded to tape as either SD or DV format at lower resolution lasting 12 seconds.*7

Long Operating Time With infoLITHIUM L Series Battery

The HVR-HD1000P camcorder uses standard DCR-TRV61AV/CAMCORDER memory Stick DuoTM media*8, and then use them to design DVD cases, website content, news, etc.

In case you missed the perfect timing for your still photo while videotaping, you can capture and save still frames from recorded video. Capturing from recorded video

For disc label / jacket design

You can store high-quality still images on Memory Stick DuoTM media*8, and then use them to design DVD cases, website content, news, etc. USB connectors, and SD, premium AV, it looks like a diverse range of photo-creation functions. These photo-creation functions are available at the touch of a button. You can take 4.6-megapixel (16:9-aspect) photos while you are shooting HDV video simply by pressing the photo button.

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Long Operating Time With infoLITHIUM L Series Battery

With the NP-F970, a maximum operating time of approximate 10 hours enables slow-motion playback by capturing images at four times faster than the normal field rate (200 fields/s). In this mode, quad-speed images are captured for three seconds, stored in the buffer’s buffer memory, and then recorded to tape as either SD or DV format at lower resolution lasting 12 seconds.*7

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When the PHDVM-63DM miniDV cassette tape is used, the PHDVM-63DV is also supported. The HVR-HD1000P has a down-conversion feature that outputs video on a miniDV cassette tape.*1 The HDV format allows you to shoot approximate 63 minutes of HD video on a miniDV cassette tape.*1. SD Editing / Monitoring (4:3)HD Recording (16:9) Squeeze*3

SD. This means you can see much sharper detail and finer image resolution. HD has almost twice the number of scanning lines available than SD. Thus, images appear much sharper. When watching movies, for instance, you can better appreciate even the finest details. When watching sports or natural scenery, you'll enjoy a more realistic experience. The HVR-HD1000P offers benefits for SD productions, as well as HD. Video and television technology, as well as viewer preferences, are moving from standard definition to high definition. The AVCHD format allows you to shoot approximate 60 minutes of HD video on a miniDV cassette tape.*1. The AVCHD format allows you to shoot approximate 60 minutes of HD video on a miniDV cassette tape.*1. All non-metric weights and measurements are approximate.

Distributed by:

Features and specifications are subject to change without notice.

*1: When the PHDVM-63DM/63DV cassette tape is used.

*2: When the PHDVM-63DM/63DV cassette tape is used. The PHDVM-63DV is also supported.

*3: Inluding a battery and a tape (60min.)

*4: Viewable area, measured diagonally.

*5: These values are calculated to be equivalent to the 35 mm film.

*6: Letter box mode is not available from the i.LINK connector.

*7: Not all products with an i.LINK connector will necessarily communicate with each other. Please refer to the instruction manual for the other product for details.

*8: If the i.LINK connector is used to connect to a device that does not support high-speed i.LINK (400 Mbps), the data transfer rate may be reduced.

*9: These products are not available from the AVCHD format.

*10: The HVR-HD1000P doesn’t have DVCAM recording/playback capability.

*11: The HVR-HD1000P camcorder can adapt to a wide range of shooting situations and features a Carl Zeiss Vario-Sonnar T* 10x optical zoom lens with 10x optical zooming. The lens is equipped with variable speed auto iris, Auto Slow Shutter, and Auto Slow Shutter. The HVR-HD1000P camcorder can also be used with an external 17x tele conversion lens.

*12: The 4:3 photo mode is available with the HVR-HD1000P camcorder.

*13: The 16:9 video mode is available with the HVR-HD1000P camcorder.

*14: The 16:9 video mode is available with the HVR-HD1000P camcorder.

*15: The Super SteadyShot (Optical) feature of the HVR-HD1000P is an image stabilizer using an active optical lens motion that functions without any deterioration in image quality. The lens itself shifts vertically and horizontally to compensate for the camera's tilt or shake in real time.

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A new camcorder has been created to meet the growing demand from users who are looking for mobility and professional appearance. The HVR-HD1000P features a shoulder-mount design and black matte body similar to that of professional camcorders, making it perfect for weddings, corporate communications, and sporting events where appearance makes a difference.

Premium design characteristics and high-definition HDVTM recording are the main features of this new one-piece shoulder camcorder, ideal for working videographers on a budget.

Whether you are recording weddings and corporate communications or professional camcorders; making it perfect for weddings, corporate communications, professional camcorders; making it perfect for weddings, corporate communications, sporting events where appearance makes a difference.

The HVR-HD1000P features a shoulder-mount design and black matte body similar to that of conventional camcorders. While the HVR-HD1000P doesn't contain all the features you'd find in a higher end professional camcorder, such as DVCAM recording/playback, other features like HDV shooting and photo data creation. Even if you are still using SD for your projects, HD is the way of the future. Down-conversion allows you to shoot in HD to create a high-quality master tape and still use your existing DV nonlinear editing system and SD display monitor for playback and viewing.

The Smooth Slow Rec function of the HVR-HD1000P camcorder enables smooth slow playback by capturing images four times faster than the normal field rate (200 fields/s). In this mode, 6.1-megapixel, 2848 x 2136-quality, 4:3-aspect images. In Photo mode of the HVR-HD1000P camcorder, you can take 4.8-megapixel, 1440 x 810 pixel still image of that magic moment. You can store high-quality still images on Memory Stick Duo™ media*8, and then use them to design DVD cases, website jacket design for disc label / for disc label /

For disc label / for disc label / for disc label / for disc label /

Since you are still using the perfect timing for your still photo while videotaping, you can capture and save still frames during recording. While the HVR-HD1000P doesn't contain all the features you'd find in a higher end professional camcorder, such as DVCAM recording/playback, other features like HDV shooting and photo data creation. Even if you are still using SD for your projects, HD is the way of the future. Down-conversion allows you to shoot in HD to create a high-quality master tape and still use your existing DV nonlinear editing system and SD display monitor for playback and viewing.

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A new camcorder has been created to meet the growing demand from users who are looking for mobility and professional appearance. The HVR-HD1000P features a shoulder-mount design and black matte body similar to that of professional camcorders, making it perfect for weddings, corporate communications, and sporting events where appearance makes a difference.

Premium design characteristics and high-definition HDVTM1080i recording are the main features of this new one-piece shoulder camcorder, ideal for working videoographers on a budget. A built-in down-converter creates DV material, perfect for standard DVD productions. Plus, a special still photo mode is ideal for producing DVD cases and making wedding photo albums.

Whether you are recording weddings and corporate communications or beginners, it provides a professional camcorder shoulder-mount design and easy viewing and control operation.

In Photo mode of the HVR-HD1000P camcorder, you can take 4.6-megapixel (16:9-aspect) photos while you are shooting HDV video simply by pressing the photo button. You can store high-quality still images on Memory Stick DuoTM media*8, and then use them to design DVD cases, website jacket design, or disc label/for photo album creation.

Long Operating Time With Standard Battery

The HVR-HD1000P camcorder comes with a Super NightShot™ infrared light emitter that allows you to record an object in zero lux light levels. It also enables night-time monitoring and surveillance.

Other Features

While the HVR-HD1000P doesn’t contain all the features you find in a higher-end professional camcorders, such as DVCAM recording/playback, it offers several advantages such as:

- DV/HDV standard compatibility
- Super NightShot™ infrared light functionality
- Battery pack option

With the HVR-HD1000P camera, you can shoot HDV video anytime, anywhere. This HD camcorder provides flexibility and an amazing selection of features for HDV shooting and photo data creation, even if you are still using SD for your projects, HD is the way of the future. Down-converted DV material can be used for DVD or Blu-ray DiscTM making. Use your edited content and photo data for standard DVD/tape making.

To learn more about the HVR-HD1000P camcorder, please visit our website or call our toll-free number for a free brochure.
**HDV - the Accessible HD Recording Format**

HDV can be recorded on an easypack DV Cassette Tape

Video and television technology, as well as camera performance, are moving from standard definition (SD) to high-definition (HD). Just like black and white video television moved over to color in the past, HDV has almost twice the number of scanning lines available (525) to the consumer. The camera can now see much richer detail and finer image quality when your work is seen on an HDTV display. The HVR-HD1000P adopts the HDV format for HD recording. The HDV format allows you to shoot approximately 15 times longer than an HDTV video in a miniDV cassette tape.

<table>
<thead>
<tr>
<th>HDV recording DV recording</th>
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<td>Approx. 15 times longer</td>
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**High-quality Imaging System**

The next generation of Sony imaging sensor, the ClearVid CMOS Sensor, is unique and different from current CMOS technology. The ClearVid CMOS Sensor uses a unique pixel layout rotated 45 degrees to provide high resolution and high sensitivity. This pixel layout technology is also used in high-end professional HDV camcorders. The ClearVid CMOS Sensor, coupled with advanced imaging Processing "Nex", generate stunning images. Moreover, thanks to the CMOS technology, light effects do not cause vertical smear.

**Optical 10x zoom by Carl Zeiss Vario-Sonnar T��lens**

The Carl Zeiss Vario-Sonnar T��lens is capable of shooting pictures in a wide range of shooting situations. The Carl Zeiss Vario-Sonnar T��lens is equivalent to a 35 mm film focal length of 37 to 370 mm*1 for 4:3 photo mode. with variable speed, a LANC remote controller, a professional durability tape and a LANC remote controller. A LANC remote controller is supplied.

**Super SteadyShot (Optical Image Stabiliser)**

The Super SteadyShot (Optical Image Stabiliser) feature of the HVR-HD1000P is an image stabiliser using an active optical axis that functions without any deterioration in image quality. The lens itself shifts vertically and horizontally to compensate for the adversely effect in real time.

**Vertical smear**

This brochure refers to the HDV1080i specification as the HDV format. This is almost the same as that of the DV format.

**SD (4:3) 1,080**

Inluding a battery and a tape (60min.)

**Mass (w/o Tape, Battery, etc)**

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<tr>
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**Camera section**

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**VTR section**

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**HVR-HD1000P Specifications**

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<td>Approx. 3040K pixels</td>
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**Options**

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<td>InfoLITHIUM L series</td>
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**Digital HD Video Camera Recorder**

HVR-HD1000P

**HVV-HD1000P**

High-quality Imaging System

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