The name for Sony’s Camcorders and equipments and Equipments based on AVCHD technology exclusively for the demanding professionals

Definition for the Professionals
Mobility for the Professionals
Confidence for the Professionals

...visualize your creativity.
Introduction

Debut of the First NXCAM Camcorder HXR-NX5N
- Heralding New Standards in Contents Creation

The new HXR-NX5N camcorder is the first product of the NXCAM generation from Sony, and a new category of tapeless memory camcorder, providing an ideal balance of power and performance in the digital age.

Utilizing the revolutionary AVCHD format, this camcorder offers long duration recording – with dual memory slots – on affordable consumer memory cards. As it facilitates a totally IT-based workflow, the HXR-NX5N has the potential to profoundly change the way content is created.

Simultaneous hybrid recording is available in HD (High Definition) and SD (Standard Definition) formats using an optional HXR-FMU128 memory unit.

In any format, breathtaking picture quality is assured with proven features from Sony such as a state-of-the-art “G Lens” and three Exmor CMOS sensors with a ClearVid array. Professionals around the world expect this standard of picture quality from Sony…and accept nothing less.
Main Features

G Lens

"G Lens", the lens featured in other successful Sony camcorders, already enjoys an excellent industry reputation. In the HXR-NX5N, this sophisticated lens is optimized to complement the camcorder’s advanced image sensor and image-processing technology.

Exmor 3CMOS Sensors

Three "Exmor" CMOS sensors with a ClearVid array comprise a state-of-the-art sensor system from Sony which realizes high resolution, high sensitivity, a wide dynamic range, and excellent color reproduction, regardless of the codec.

Memory Recording and HYBRID

Memory recording on affordable consumer memory cards offers workflow efficiency at both the shooting and editing stages. Combined with hybrid recording, using an optional HXR-FMU128, the user achieves a totally IT-based workflow, with the added bonus of instant data backup.
A built-in global positioning system (GPS) locator allows satellite navigation data to be recorded directly onto footage for reference or posting on popular internet mapping systems. GPS data can be invaluable when searching for footage or to provide evidence of where and when footage was recorded.

Active SteadyShot

Active SteadyShot is a new, enhanced image stabilization system that provides a powerful shake-reduction capability, vital for handheld usage. Additional stabilization is provided by the increased optical lens coverage area and by improved detection with state-of-the-art compensation algorithms.

The revolutionary AVCHD recording format, which utilizes the MPEG-4, AVC/H.264 video codec, allows users to record HD video footage onto random access media. Its intelligent and sophisticated algorithm makes AVCHD a highly efficient compression format ideal for memory recording and IT-based editing.
The "G Lens" provides great picture quality and versatility with a wide angle of 29.5 mm (equivalent to 35 mm film) and a 20x high quality zoom. Two ED (extra-low dispersion) glass elements reduce chromatic aberrations caused by differences in light refraction to minimize color fringing. The advanced 10-group, 15-element lens structure also includes a compound aspheric lens for images that are crisp and clear, even when shooting videos at a high zooming ratio.

Other Superb Features of the Optical System

Natural-touch Lens Operation
The focus, zoom and iris ring are positioned on the lens barrel, and this design offers the same operability as general interchangeable lenses. Focus, zoom and iris control can all be managed easily.

Six-blade Iris
The six-blade iris diaphragm is nearly circular, enabling the creation of an extremely beautiful background blur.

Built-in ND filters
The HXR-NX5N is equipped with three built-in ND (Neutral Density) filters - 1/4, 1/16, 1/64 - which help to vary the depth of field with iris control.
Innovative Technologies

Three 1/3” Exmor™ CMOS Sensors – Beyond the Codec

The three state-of-the-art 1/3” “Exmor” CMOS sensors with a ClearVid array ensure high resolution, high sensitivity, a wide dynamic range, and excellent color reproduction. The quality of this imaging system has earned an excellent reputation in the industry, and is of course fully realized in the new HXR-NX5N.

- **“Exmor” Technology Noise Reduction System**
  Multiple A/D (analog-to-digital) converters on each pixel row convert analog signals to digital as soon as they are generated, unlike traditional technology that only provides one A/D converter on each chip. “Exmor” technology can eliminate the influence of external noise that enters the signal chain during transfer to the A/D converter, resulting in high-quality digital signals with extremely low noise. This significantly enhances shooting in low-light environments with a sensitivity of just 1.5 lux.*

  * At 1/30 shutter, auto iris, and auto gain.

- **Higher Sensitivity and Resolution with Sophisticated Techniques**
  CMOS sensors equipped with a ClearVid array achieve a bigger sensor pixel size than ordinary image sensors, and this leads to higher sensitivity. Furthermore, a unique interpolation technique from Sony utilizes the 45-degree rotated pixels on each chip, increasing resolution. The powerful combination of these two sophisticated techniques explains why Sony picture quality has such an excellent industry reputation.
Cutting-edge Technologies

Location Simplification with Cutting-edge GPS Technology

The HXR-NX5N is the world’s first AVCHD professional camcorder with an internal GPS. This important new feature enables users to find the same shooting location when, for example, they need to revisit a location for extra shots that must match existing footage. GPS data is embedded in AVCHD video data files. Mapping data can be created using bundled Content Management Utility software. Also GPS data can be extracted from video files, using Content Management Utility software, in a commonly used latitude/longitude NMEA data format. This GPS information can be used in several applications.

"Google and Google Earth are trademarks of Google Inc."
"Maps and satellite images powered by Google Maps™ mapping service."
A new feature of the HXR-NX5N is Active SteadyShot. This useful feature effectively reduces hand-held camera shake. The improvement is particularly noticeable when using wide-angle framing. It is an essential feature when holding the camcorder by hand, and especially for projects that are recorded mainly in the field. It is also ideal when the subject is moving and must be followed, for example in news gathering or at weddings. Shooting from inside a moving vehicle is another useful application for the Active SteadyShot feature. It significantly reduces the need for external stabilization systems. Improved stabilization allows the user to concentrate more on composition and shot transition, rather than worry about how to stabilize the camera. Depending on the shooting environment, users can select normal SteadyShot or Active SteadyShot for hand-held applications. When not in use, the stabilization feature can be easily switched off.

Shoot and Walk with the New Active SteadyShot

Without Active SteadyShot

With Active SteadyShot
The HXR-NX5N is also the first Sony professional camcorder designed to record directly onto consumer memory cards. These cards are affordable and easy to find. This general versatility is especially handy when a user suddenly needs extra memory – something that happens quite often when shooting a documentary or news report on the move. Also, memory cards are very compact and easy to handle. Many devices can accept these memory cards allowing easy playback. Files can be copied from a memory card to any available computer, instantly backing up valuable data. Another benefit is that memory cards can be easily and cost-effectively reused.

### Available Memory Cards Type

* For detailed information please refer to the specification sheet on the back of this brochure.

### Relay Record with Dual Memory Slots

Another new feature is continuous recording between two memory card slots. The new HXR-NX5N camcorder automatically cycles between the dual memory slots. When using two, 32-GB memory cards, six hours of continuous HD footage can be recorded. If a longer continuous recording time is required, the user simply waits until the first card is full and recording has relayed to the second card, before ejecting the first card and inserting a new blank memory card. This procedure can be repeated as required, extending continuous recording for a sufficiently long time.

### Three Major Advantages of Memory Recording

#### 1. Easy Viewing of Recorded Footage

The major benefit of this memory recording system is its instant search capability for recorded clips using thumbnail images. This speeds up logging and editing work, which is ideal in fast-paced environments. Having the ability to access clips randomly will make production staff much happier and far more efficient.

#### 2. Fast Ingestion to Computer

Users can simply pop out a memory card and plug it into any computer’s memory card reader slot (or use a USB2.0-type memory card reader) to upload files. This is likely to take less time than the actual length of recorded footage, so more time can be spent shooting. Users are secure in the knowledge that editing deadlines will be met, thanks to this efficient new approach to digital video production.

* The uploading time will depend on the computer’s specification.

#### 3. Easy Playback

Affordable consumer memory media are already used in many consumer electronic devices, and more are to come. Recorded footage can be instantly played back using these devices.

### Recording Time on a single memory media

<table>
<thead>
<tr>
<th>HD MOVIE</th>
<th>1GB</th>
<th>2GB</th>
<th>4GB</th>
<th>8GB</th>
<th>16GB</th>
<th>32GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear</td>
<td>9 Mbps</td>
<td>9 Mbps</td>
<td>18 Mbps</td>
<td>36 Mbps</td>
<td>72 Mbps</td>
<td>144 Mbps</td>
</tr>
<tr>
<td>POM</td>
<td>24 Mbps</td>
<td>24 Mbps</td>
<td>48 Mbps</td>
<td>96 Mbps</td>
<td>192 Mbps</td>
<td>384 Mbps</td>
</tr>
<tr>
<td>HQ mode</td>
<td>540 Mbps</td>
<td>1080 Mbps</td>
<td>1620 Mbps</td>
<td>3240 Mbps</td>
<td>6480 Mbps</td>
<td>12960 Mbps</td>
</tr>
<tr>
<td>LP mode</td>
<td>27 Mbps</td>
<td>54 Mbps</td>
<td>108 Mbps</td>
<td>216 Mbps</td>
<td>432 Mbps</td>
<td>864 Mbps</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SD MOVIE</th>
<th>1GB</th>
<th>2GB</th>
<th>4GB</th>
<th>8GB</th>
<th>16GB</th>
<th>32GB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dolby Digital 2ch</td>
<td>9 Mbps</td>
<td>9 Mbps</td>
<td>18 Mbps</td>
<td>36 Mbps</td>
<td>72 Mbps</td>
<td>144 Mbps</td>
</tr>
<tr>
<td>HQ mode</td>
<td>9 Mbps</td>
<td>9 Mbps</td>
<td>18 Mbps</td>
<td>36 Mbps</td>
<td>72 Mbps</td>
<td>144 Mbps</td>
</tr>
</tbody>
</table>

* For detailed information please refer to the specification sheet on the back of this brochure.
Sony proudly introduces the HXR-FMU128, an optional 128-GB flash memory unit exclusively designed for the HXR-NX5N camcorder. This enables hybrid recording of video footage – another world first for an AVCHD professional camcorder. Other capabilities include simultaneous recording of HD and HD video footage, and even the combination of HD and SD, realizing an instant backup in the desired format. The 128-GB storage capacity provides continuous recording for almost half a day at the highest bit-rate – incredible in a unit of such compact size. This is an ideal option for recording music festivals, seminars, and weddings, and for making documentaries, all of which require extended recording times.

Simple Direct Attachment
The HXR-FMU128 is designed exclusively for this camcorder, so it attaches directly to the back of the HXR-NX5N.

Long, High-quality Recording
The memory unit enables approximately 11 hours of continuous recording in the highest FX 24-Mbps* mode.

* FX 24-Mbps mode comprises 21-Mbps of video data and 3-Mbps of audio and other data.

Recording Time on HXR-FMU128

<table>
<thead>
<tr>
<th>Format</th>
<th>HD</th>
<th>SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX 24Mbps (max)</td>
<td>100 min (1h 40m)</td>
<td>1060 min (18h 40m)</td>
</tr>
<tr>
<td>FH 17Mbps (avg)</td>
<td>83 min (1h 23m)</td>
<td>960 min (16h 00m)</td>
</tr>
<tr>
<td>HQ 9Mbps (avg)</td>
<td>57 min (1h 57m)</td>
<td>790 min (13h 00m)</td>
</tr>
<tr>
<td>LP 5Mbps (avg)</td>
<td>149 min (2h 09m)</td>
<td>305 min (5h 05m)</td>
</tr>
</tbody>
</table>

Recording Time on HXR-NX5N

<table>
<thead>
<tr>
<th>Format</th>
<th>HD</th>
<th>SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX 24Mbps (max)</td>
<td>100 min (1h 40m)</td>
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<td>149 min (2h 09m)</td>
<td>305 min (5h 05m)</td>
</tr>
</tbody>
</table>

Simple Data Transfer and Input
Simple connection to a computer via a USB slot means there’s no need for an external power supply. Once the HXR-NX5N is linked to a PC via a USB2.0 cable, files can be uploaded directly. This allows fast file transfer to popular NLE systems, and saves valuable time.

*Notes on HXR-FMU128
- HXR-FMU128 formatted by a 50i (50i) camcorder cannot be used by a 60i (60i) camcorder.
- Rebooting of the camcorder is needed when HXR-FMU128 is attached while the camcorder power is ON.
Recording Format and Editing Workflow

The Revolutionary AVCHD Format

AVCHD is an efficient data compression method which greatly reduces memory requirements. The new format allows tapeless recording with high image quality in a small file size. This is made possible by the revolutionary MPEG4 AVC/H.264 codec. In addition, the AVCHD file format is spreading rapidly into the market. Many consumer electronic devices already support AVCHD playback, and there are more to come. Major NLE software already supports AVCHD ingestion and editing. The market is starting to recognize AVCHD as a standard file format for video.

Loss-less Audio Recording Capability

The audio recording format on HXR-NX5N can be selected from either Dolby Digital stereo or Linear PCM stereo. LPCM audio recording provides uncompressed audio quality. Customers who needs high quality audio, such as in music videos will be able to acquire CD quality audio data.

MPEG-2 for SD (Standard Definition) Recording Format

SD format recording is available in addition to HD format recording. The SD recording format uses MPEG-2 which is the same compression codec as standard DVD-VIDEO Discs. Customers who make delivery in DVD-VIDEOs will be able to obtain video data in sufficient SD quality using this format.

Playback and Archiving

How to Playback

SDI
HDMI etc
Professional Monitor with SDI input
Television with HDMI etc input
*Windows® 7 offers AVCHD playback as a standard feature

How to Archive

Caution: When backing up AVCHD data on the "Memory Stick" to Blu-ray Disc or HDD mass storage copy all the files below the root folder.
Content Management Utility
Software for HXR-NX5N

Content Management Utility is an easy to use Microsoft Windows® software application for clip management and file uploading.

1. It allows users to connect divided files due to FAT32 restrictions, which automatically divide files into 2-GB data files during recording.

2. The new Sony dual memory card relay recording system record clips onto separate cards, if the clip exceeds the capacity of a single memory card. Content Management Utility software also connects clips divided onto several cards made by relay recording.

3. Content Management Utility software maps any GPS data embedded in video data.

Content Management Utility

<table>
<thead>
<tr>
<th>PC Software</th>
<th>Content Management Utility 1.0.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Requirements</td>
<td></td>
</tr>
<tr>
<td>OS</td>
<td>Microsoft Windows® XP SP3**, Windows Vista® SP2**, Windows® 7</td>
</tr>
<tr>
<td></td>
<td>*64-bit editions and Starter (Edition) are not supported.</td>
</tr>
<tr>
<td></td>
<td>** Starter (Edition) is not supported.</td>
</tr>
<tr>
<td></td>
<td>Standard installation is required.</td>
</tr>
<tr>
<td></td>
<td>Operation is not assured if the above OS has been upgraded or in a multi-boot environment.</td>
</tr>
<tr>
<td>CPU</td>
<td>Use an Intel Core 2 Duo 2.20 GHz CPU or faster to play back videos with high defintion image quality (HD) if recorded using the highest quality mode. Videos with high definition image quality (HD) recorded in other quality modes may be played back with a slower CPU.</td>
</tr>
<tr>
<td></td>
<td>Depending on the performance of your video card, videos with high definition image quality (HD) recorded using the highest quality mode may be played back with a slower CPU than that recommended above.</td>
</tr>
<tr>
<td></td>
<td>For the following operations, an Intel Pentium III 1GHz or faster is necessary.</td>
</tr>
<tr>
<td></td>
<td>- Importing videos to a computer</td>
</tr>
<tr>
<td></td>
<td>- Processing videos with standard definition image quality (SD) only</td>
</tr>
<tr>
<td>Memory</td>
<td>Windows® XP</td>
</tr>
<tr>
<td></td>
<td>512 MB or more (1 GB or more is recommended.)</td>
</tr>
<tr>
<td></td>
<td>For processing content with standard definition image quality (SD) only, 256 MB of memory or more is necessary.</td>
</tr>
<tr>
<td></td>
<td>Windows Vista®</td>
</tr>
<tr>
<td></td>
<td>1 GB or more</td>
</tr>
<tr>
<td></td>
<td>Windows® 7</td>
</tr>
<tr>
<td></td>
<td>1 GB or more</td>
</tr>
<tr>
<td>Hard disk</td>
<td>Disk volume required for installation: Approximately 100 MB</td>
</tr>
<tr>
<td></td>
<td>Only the NTFS or exFAT filesystem can be used for importing videos or registering them for viewing.</td>
</tr>
<tr>
<td>Display</td>
<td>Minimum 1,024 x 768 dots</td>
</tr>
<tr>
<td>Others</td>
<td>USB port (This must be provided as standard, Hi-Speed USB (USB 2.0 compatible))</td>
</tr>
</tbody>
</table>

Notes: Your computer must meet hardware requirements other than those described above for each OS. Even in a computer environment where the operations are guaranteed, frames may be dropped from movies, resulting in uneven playback. However, imported images will not be affected. Operations are not guaranteed on all the recommended environments. For example, other open or background applications running on currently may limit product performance. Content Management Utility does not support 5.1ch surround sound reproduction. The sound is reproduced in 2ch sound. If you use a Notebook PC, connect it to the AC Adaptor as the power source. Otherwise, the software will not work properly due to the power saving function of the PC.
Recording Format and Editing Workflow

Editing Workflow

For Windows® users
Use Content Management Utility Software to ingest

For Final Cut Pro® Users
Use “Log & Transfer” and convert to ProRes422 to edit

Utilize the SDI or HDMI etc outputs

*Please contact the manufacturer for further detailed information
Operation Functionality

Easy Operation with Newly Designed Menu Interface

The completely new menu interface allows users to adjust camcorder functions via a touch panel or buttons and switches. This interface is newly designed specifically for this model. Easier and more straightforward operations are achieved by the combination of a high-resolution XtraFine™ LCD panel, XtraFine™ electronic viewfinder (EVF), and well-defined layout.

VISUAL INDEX Button
The VISUAL INDEX button is a one touch button to view the recorded footage. It will instantly change the camera mode from shooting to previewing. Just touch a thumbnail picture of the recorded clip on the LCD panel to select a clip to preview.

MENU Button
The MENU button will instantly lead you to the camera setting menu. Changing the output settings, display settings, timecode settings can be done through this menu.

MODE Button
Functions to manage the media and recorded data can be reached from this MODE button. Formatting the media and dubbing and copying the data can be done through this menu. Smooth Slow Rec can be triggered from this MODE button.

Structure of MODE
- CAMERA Button ➔ SMOOTH SLOW REC
- PLAY Button ➔ VISUAL INDEX ➔ PLAYLIST
- EDIT Button ➔ PROTECT ➔ PLAYLIST EDIT ➔ PHOTO CAPTURE ➔ DIVIDE ➔ DELETE
- DUB/COPY ➔ MOVIE DUB ➔ PHOTO DUB
- MANAGE MEDIA ➔ MEDIA FORMAT ➔ REPAIR IMAGE DB FILE ➔ USB CONNECT
Supporting Features

**XtraFine™ LCD Panel**
The HXR-NX5N features a 3.2-inch-type XtraFine™ LCD panel. It has approximately 921,000 pixels (1920 x 480), and this higher resolution allows for easier focus adjustment. The XtraFine™ LCD displays virtually 100% of the recorded picture area at a color temperature of approximately 6500K. The interface has been improved to make it easier to see the on-screen menu.

**One-touch Clip-type Microphone Holder**
A one-touch clip-type microphone holder makes it easy to attach and remove the microphone for quick storage.

**Hybrid Operation with Touch Panel and Buttons**
The HXR-NX5N is equipped with a touch panel LCD with a complete new interface specifically designed for this new camcorder. Most of settings can be adjusted by touch screen operation, which is easy, straightforward, and instinctive for operators. However, standard operation using buttons and switches is also available, to provide users with choices to suit any shooting situation.

**One-touch Viewing with the Visual Index Button**
Thanks to file-based operation, recorded clips can be quickly reviewed by scanning through thumbnail images. This makes it easier and less stressful to search for important clips.

**Well-designed Layout**
The ergonomic layout of buttons and switches provides convenient access. Professional user feedback has guided the design processing, making the new HXR-NX5N easy to use.

**Two Screw Holes for Secure Connection**
To provide a more secure connection between the camcorder and a tripod plate and other accessories, there are two screw holes in the camcorder’s base plate.
Hardware Switch for Headphone Monitor

A high-quality headphone monitor jack allows the user to instantly check the quality of recorded audio. The HXR-NX5N is equipped with a hardware switch so the user can change the output to Channel 1 or Channel 2, or mix both channels together. There is no need to go into the menu to change the headphone output.

Versatile Terminal Interfaces

1. HD-SDI

The HXR-NX5N is equipped with an HD-SDI* terminal, making it easier and more convenient to install the camcorder into high-end video editing systems. If the system has an HD-SDI input, the camcorder can be connected to the system with a BNC cable. No conversion boxes are needed. The camera through output from the HD-SDI terminal will be uncompressed. Being able to neglect the effect of the codec, this output has the highest picture quality.

*Timecode and audio signals are embedded in the HD-SDI signal.
*HD-SDI is also available.

2. HDMI terminals

The HDMI interface allows easy connection to consumer electronic devices.

3. RCA-pin-type composite and audio outputs terminals

4. Component output with AV/R-out

5. USB

6. Remote Terminal

7. TC Link

By connecting two camcorders with a standard mini-plug cable, using the TC Link function, timecodes of the two camcorders can be synchronized.

XtraFine™ EVF

The 0.45-inch-type XtraFine™ electronic viewfinder (EVF) has approximately 1,227,000 pixels (852 x 3(RGB) x 480). This device has three independent LEDs for Red, Green, and Blue colors. The EVF has a selectable display mode (Color or Black and White mode). It also displays virtually 100% of the recorded picture area at a color temperature of approximately 6500K, and has an improved interface for easier viewing of the on-screen menu.
To expand the variation and the possibility of shooting, utilizing accessories is a simple but the foremost efficient choice. How about shooting under darkness or longtime shooting? Shooting under these kinds of situations can be realized much easier with the help of accessories. Why suffer, when there is a easy way to make things easier.

Sony has been providing a variety of official accessories, starting from basic necessities, such as batteries, to advanced necessities, such as camcorder supports, which are ergonomically designed to ease the workflow and enhance the creativeness of the users.

Having officially made accessories is one of our primary strength as a professional camcorder manufacturer. We have been exploiting that strength for a number of years and we have successfully earned a great reputation in the market, regarding its quality.

The new HXR-NX5N, also is compatible with many of our professional accessory lineup.

For instance, batteries, chargers and LCD hoods will be essential to ensure comfortable shooting. Moreover, shooting supports will ease the stress made by longtime shooting. Take a look at our professional accessory lineup and choose the best combination which goes with your style.

### HXR-NX5N

#### Flash Memory Unit

An external Flash Memory Recording Unit with a 128GB capacity, capable of recording AVCHD and MPEG2 SD formats, designed exclusively for NXCAM. Simple direct attachment to the camcorder and a simple data transfer to computer via USB 2.0 is available.

#### Flash Memory Unit (FMU128)

- **ECM-680S**
  - Shotgun-type Electret Condenser Microphone
  - Stereo and Monaural Switchable: Uni-Directional
  - Monaural: Super-cardioid

- **ECM-678**
  - Shotgun-type Electret Condenser Microphone
  - Monaural type
  - Super-cardioid

- **ECM-673**
  - Shotgun-type Electret Condenser Microphone
  - Monaural type
  - Super-cardioid

- **UWP-V1**
  - UHF Wireless Microphone Package
  - Consists of Bodypack Transmitter and Portable Receiver
  - Portable Receiver can be attached to shoe connector by supplied shoe mount adaptor

- **VCT-11RMB**
  - Tripod with RM-1BP Remote Controller

- **VCT-1BP**
  - Camcorder Support
  - Weight support for stable/comfortable shooting
  - Support for several shooting styles (e.g., high-angle shooting)
  - Quick-release function from harness for excellent mobility

- **UWP-V1**
  - Multifunction remote commander
  - Controls main camcorder functions
  - See Human User Interface (HUI) for professional applications

- **VCT-PG11RMB**
  - Tripod with RM-1BP Remote Controller
**VCL-HG0872K**
Wide Conversion Lens
- Equivalent to 0.8 magnification
- High-resolution wide conversion lens for the HXR-NX5
- Bayonet mount for quick and easy attachment
- Supports large French Flag and 4x6.65inch filter holder
- Quick and convenient integrated lens shutter

**HVL-LBPA**
LED Battery Video Light
- LED reliability and low power consumption of 16W
- Battery power from NP-F770/F970
- Wide compatibility for flexible installation (Cold shoe/Screw ball/Screw hole)
- Ideal for wide-angle shooting and interviews
  - Spot (600lx@1m) or flood-lighting (300lx@1m) with attached condensing lens ON or Off
  - Light diffuser attached to soften shadows and reduce contrast
- Long Operating time: approximately 3 hours with the NP-F970 (at maximum brightness)
- Supplied indoor/outdoor filter kit (5,500K to 3,200K)

**VCT-SP28P**
Camcorder Support
- Three point support (shoulder, chest, operator’s hands)
- Simple but efficient stabilization capable of a variety of shooting styles.
- Quick release from tripod including tripods which require VCT-U14.
- Fast and easy transformation from tripod mode to support mode.

**SH-L32WBP**
LCD Hood
- LCD Hood for 3.2” LCD monitor
- Adjustable shade (360° shade)
- Folding structure realize transfer with camcorder

**AC-VQL1BP**
AC Adaptor / Charger
- 4 slots battery charger (A pair of parallel charge)
- 2 charge mode selectable (Normal/Full)
- Charging information
  - Remaining time to charge complete
  - Current

**MS-MT32G**
(16GB, 8GB, 4GB, 2GB, 1GB)
- Memory Stick PRO Duo™

**MS-HX32G**
(16GB, 8GB, 4GB)
- Memory Stick PRO-HG Duo™ HX
- High speed data transfer
  - Use the USB adaptor for high speed transfer (20Mbps)

**LMD-940W**
Professional LCD Monitor
- 800x480 (WVGA) Panel Resolution
- 4:3 / 16:9 Aspect Ratio Selection
- 3 mode power system - AC100V, DC12V, Battery Adaptor
- 3G SDI input / output standard

**2NP-F970/B**
InfoLITHIUM Rechargeable Battery Pack (2 pack)

**NP-F970/F770/F570**
InfoLITHIUM Rechargeable Battery Pack

**RM-1BP**
Remote controller
### Specification

**HXR-NX5N**

#### General

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Weight</strong></td>
<td>Approx. 2.2 kg (4.8 lb)</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>Approx. 0.9 W</td>
</tr>
<tr>
<td><strong>Storage temperature</strong></td>
<td>-20 to +60 deg C (-4 to +140 deg F)</td>
</tr>
<tr>
<td><strong>Battery capacity</strong></td>
<td>Approx. 3.6 Ah</td>
</tr>
<tr>
<td><strong>Recording frame rate</strong></td>
<td>AVCHD FX (24Mbps) 1920 x 1080/60i</td>
</tr>
<tr>
<td><strong>Input/output</strong></td>
<td>- RCA Type(CH-1,2)</td>
</tr>
<tr>
<td></td>
<td>- XLR 3-pin (female)</td>
</tr>
<tr>
<td><strong>Zoom</strong></td>
<td>Auto 60i 30p 60p: 1/4 - 1/10000, 24p: 1/3 - 1/10000</td>
</tr>
<tr>
<td><strong>Image stabilizer</strong></td>
<td>ON/Off (selectable)</td>
</tr>
<tr>
<td><strong>Filter diameter</strong></td>
<td>72 mm</td>
</tr>
<tr>
<td><strong>White balance</strong></td>
<td>Auto, one-push auto (A/B positions), indoor (3200 K), outdoor (5600 K)</td>
</tr>
<tr>
<td><strong>Gain</strong></td>
<td>Manual</td>
</tr>
<tr>
<td><strong>Zoom</strong></td>
<td>120 x (240 fields/sec) (or 240 fps) with Slow Motion function</td>
</tr>
<tr>
<td><strong>SDI output</strong></td>
<td>BNC (x 1), HD-SDI/SDI selectable</td>
</tr>
<tr>
<td><strong>Audio input</strong></td>
<td>XLR 3-pin (female)</td>
</tr>
<tr>
<td><strong>Audio output</strong></td>
<td>RCA Type(CH-1,2), LINE/MIC/MIC+48V selectable</td>
</tr>
<tr>
<td><strong>Audio format</strong></td>
<td>HD Linear PCM 2ch, 16bit, 48kHz / Dolby Digital 2ch, 16bit, 48kHz</td>
</tr>
</tbody>
</table>

#### Camera Section

- **Effective picture elements**: Approx. 1,037,000 pixels with ClearView array
- **Filter diameter**: 72 mm
- **Focus**: Auto, Manual (F1.6-F11, close)
- **Iris**: Auto/Manual (F1.6-F11, close)
- **Zoom ratio**: 120 x (240 fields/sec) (or 240 fps) with Slow Motion function
- **White balance**: Auto, one-push auto (A/B positions), indoor (3200 K), outdoor (5600 K)
- **Gain**: Auto/Manual (+6dB - 21dB, 3dB step)

#### Flash Memory

- **Recording capacity**: 128GB
- **Flash Memory**: Memory Stick PRO Duo(Mark2)™, Memory Stick PRO-HG Duo™
- **Supplied Accessories**: USB cable (Mini-jack - A-jack)
- **Dimensions**: 362 mm x 266 mm x 106 mm

#### Dimensions

- **HXR-NX5N**: 362 mm x 266 mm x 106 mm
- **HXR-FMU128**: 35 mm x 100 mm x 26 mm

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