Sony Digital Camcorder

HDW-F900R
CineAlta™
– Liberating Movie Producers

CineAlta – a name that proudly symbolizes the bond between cinematography and Digital high-definition imaging. It distinguishes a Sony family of products and systems that offer new levels of creativity in the production, postproduction, and exchange of motion pictures. It also brings together the quality and universality of 24-frame cinematography with the real-time capabilities, efficiency, and flexibility of Digital high-definition technology. And it stimulates the convergence of Motion Picture Film and Digital high-definition production on a global basis.

CineAlta products, delivering cinema-quality pictures at selectable frame rates, are simplifying International Program Exchange by minimizing the need for standards conversion. They are also opening up entirely new possibilities for international co-production. Movie making has been liberated by the creative empowerment of the cinematographer. It is facilitated by real-time HD image evaluation on-set, instant replay of full-color high-resolution digital “takes,” real-time image optimization while shooting, a 50-minute shooting load, and most importantly, by the significant cost-benefits associated with this digital medium.

CineAlta products provide a seamless bridge between 24-frame film originals and a final 24P digital master, giving each frame of film a one-to-one correspondence with progressive HD frames. The CineAlta environment readily interfaces with the computer graphics world, liberating postproduction. And the final liberation is achieved through the direct color conversion of progressive 24P masters to film, and to a host of other international digital HDTV and SDTV distribution formats.
In 2000, Sony set a groundbreaking milestone in the motion picture industry by introducing the HDW-F900 camcorder, which enabled high-definition digital images to be recorded onto digital tape at 24 frames per second. This totally new concept of 24P-based digital recording, together with the enabling Sony products, was named “CineAlta”, and has since been embraced by an ever-broadening spectrum of producers, directors, and cinematographers all over the world. The HDW-F900, the first CineAlta camcorder, has served as an invaluable tool in movie and television program creation, bringing a new, higher level of picture quality, efficiency, and flexibility to the production process.

After the introduction of the HDW-F900 model, Sony has been continuously enhancing the CineAlta line by attentively listening to the customers’ much diverse requirements. One of the most remarkable evolutions of the CineAlta line was the introduction of the HDC-F950 RGB 4:4:4 cameras and the HDCAM-SR format in addition to the HDW-F900 and its companion HDCAM-format VTRs. This new system concept was born of the requests of moviemakers working on highly exacting special effects sequences and producers creating elaborate commercials for cinema and television presentation. With these CineAlta products using the HDCAM™ and HDCAM-SR formats, Sony offers an outstandingly comprehensive range of high-quality gears, which allows customers to select most appropriate equipment depending on their requirements for picture quality, budgets, applications.

This highly respected HDW-F900 camcorder has now evolved into the next-generation HDW-F900R, offering a variety of further enhanced functionalities. The HDW-F900R camcorder records images in accordance with the CIF (Common Image Format) standard, which specifies a sampling structure of 1920 x 1080 active pixels (horizontal x vertical). Plus, as well as recording at 24P, the HDW-F900R camcorder is switchable to record at 25P, 29.97P progressive scan, and also at 50 or 59.94 Hz interlaced scan. The camcorder also provides a comprehensive range of features for creative shooting such as enhanced gamma features and colorimetry controls. Plus, the design of the HDW-F900R is highly compact and lightweight, giving users higher levels of mobility and comfort when shooting.

To further enhance the creative and operational versatility of the camcorder, a wide range of optional accessories are available. These include a picture cache board, a 2-3 Pull-down and down converter board, and a slow-shutter board. In combination with its renowned 24P capability and attractive cost efficiency, all of these great functionalities make the HDW-F900R the perfect solution for shooting television series, documentaries, commercials, as well as motion pictures.
The 24-frame progressive capability of the HDCAM format converges digital and film imaging, offering a new and novel creative flexibility for prime time television production, commercial production, and movie-making. Since Sony introduced the HDCAM format in 1997, it has been field proven worldwide, as a technology that offers highly mobile, compact, and exceptional-quality 1080/60i digital acquisition and recording solutions. This reliable and robust format consistently delivers superb picture quality and is efficiently packaged onto 1/2-inch tape.

The state-of-the-art, Sony HDCAM compression scheme is a frame-based digital compression strategy, where every frame of the signal is treated as a single entity. HDCAM maintains exceptionally high picture quality and multi-generation robustness for both progressive and interlace signals.

Advanced digital pre-filtering and dynamic bit-allocation for luminance and chrominance components (based on the statistical analysis of the picture content) are combined with a mild compression ratio of 4.4 to 1 to give a total on-tape recorded data rate of a modest 185 Mb/s at 60i. This, in turn, provides high-integrity camcorder recording in hostile environmental conditions.

The frame rate switchability of the camcorder allows 24, 25 or 30 progressive frames per second capture as well as a choice of either 50 or 60 Hz interlace – all at the push of a button. In the same way that a film camera runs longer at a lower frame rate, the HDW-F900R records longer runs when operating at the lower frame rates. Consequently a BCT-40HD cassette, records up to 40 minutes of 60i or records up to 50 minutes of 24P, cinema-quality, material. The costs of the HDCAM tapes are much less expensive than those of film, bringing tremendous cost benefits in shooting.
The Art of Image-making

The progressive scan CCD sensor at the heart of the HDW-F900R marks a significant advance in Sony HAD CCD technology. It is a development that now makes possible image capture over a range of frame rates, so that their quality is at the highest possible level. This progressive scan CCD sensor provides a sensitivity of f10 at 2,000 lux (at 59.94i) providing subjectively noise and grain-free pictures. At 24 fps, with a 1/48-second shutter speed (equivalent to a 180° film camera shutter setting), the exposure index of the HDW-F900R is approximately equivalent to 300 ISO*. It allows the acquisition of gain-free imagery in deeply shadowed areas of a scene. Superb CCD highlight-handling greatly extends the Exposure Latitude of the camera allowing directors the dramatic freedom to shoot and capture extreme highlights in otherwise low-key scenes.

*Based on Sony’s own measurements.

The Mastery of Signal Processing

Picture Tonal Reproduction is substantially enriched in the HDW-F900R by the adoption of an advanced CCD with a wide dynamic range and a 12-bit A/D converter that is then followed by powerful, high-speed, Advanced Digital Signal Processing (ADSP). ADSP allows the active manipulation of many picture parameters to expand the use of in-camera effects.

New Ergonomics

As part of Sony’s continuous efforts to make the design of our camcorders to be user-friendly and practical, stylish and appealing, the design of the new HDW-F900R has been greatly refined to increase the comfort and versatility. One of the most significant features in the HDW-F900R design is the camcorder’s compact size — the length of the camera body is 20% shorter compared to the previous model. In addition to its compact size, the HDW-F900R provides HD-SDI output directly from the camera body, moving from analog outputs of the preceding model. The more compact nature of the camcorder makes it extremely easy and flexible to use when shooting in space-constrained locations, such as in a car. The HDW-F900R is also extremely lightweight — 2.6 kg lighter than the previous model. Even with the viewfinder, battery, cassette, microphone, and a small variable or fixed-focal length lens, the total weight is only approximately 5.4 kg (12 lb). The streamlined design inherits the superb weight distribution and balance from the previous model, yet provides much higher mobility, making the camcorder particularly suitable for hand-held shots. It also sits comfortably on the shoulder and can be more easily carried.

The HDW-F900R incorporates a B-4 lens mount that facilitates quick lens replacement, which is also reinforced to support heavy lenses.

All switches, meters, and indicators are positioned in the most logical places for optimum functionality and ease of use. It can be readily mounted on a Steadicam™ system or mounted on a tripod, geared-head, or motion-control system. This compact and lightweight camera opens new possibilities for creative camera work, while delivering uncompromising picture quality.
Internal Light System
A two-pin socket in the HDW-F900R provides up to 50 watts of power from the attached lithium-ion battery. This can be used to power a variety of ancillary devices, including a front-light that can be mounted on the upper part of the handle. The power can be switched on and off manually or, when in Auto mode, it can be set to be synchronized with the operation of the Record button.

Cassette Loading
The cassette loading of the HDW-F900R is fast, simple, and reliable. It takes less than 5 seconds* for cassette change. This facility and long recording runs (40-50 minutes depending on the selected frame-rate) offer higher levels of efficiency on location. The loading mechanism is robust and designed to be dust-, moisture-, and drip-resistant. The vertical cassette loading also helps to minimize the risk of airborne contaminants from entering the loading mechanism.  

*Based on Sony’s own measurements.

Safety Zone Marker
To allow for individual production requirements, the HDW-F900R provides a Safety Zone Marker user adjustable for any aspect ratio.

Extended Clear Scan
The Extended Clear Scan function is particularly useful when shooting scenes that contain computer or TV screens as it minimize the horizontal bars that can appear. The ECS shutter speed is continuously variable. When the camera is operated at 24P with a 1/48-second shutter speed, it exactly emulates the motion blur of a film camera operating at 24 fps with a 180° shutter.

Optical Filter Wheels
For the optical picture treatment, two independent filter wheels (each with four filter positions) are provided on the HDW-F900R, one with for Neutral Density (ND) and one with Color Correction (CC) filters are installed.

High Quality Audio Recordings
The HDW-F900R is equipped with a range of balanced audio interfaces; an analog 5-pin XLR connector for stereo audio output, two 3-pin XLR connectors with selectable MIC/Line level input, and the front microphone input. The two 3-pin XLR connectors can also be switched to accept four channels of AES/EBU digital audio input, establishing a highly functional digital EFP audio system using the Sony DMX-P01 Digital Portable Mixer.
LCD Status Panel and Diagnostic System
All the main operational controls and switches are located on the left-hand side of the HDW-F900R camcorder. The LCD panel is on the same side, and shows a wide range of status and diagnostic displays such as Tape Remaining, Battery Level, Audio Levels, etc.

Dual HD-SDI Outputs
In response to the strong requirements for convenient and high-quality on-set monitoring, two HD-SDI outputs have been incorporated into the HDW-F900R camera body as standard. This is an enhancement to the previous model, which offered HD-SDI output only through the use of an external camera adaptor.

Recording on Sony HDCAM-SR Recorders
The HDW-F950R can feed camera output signals via its HD-SDI connector for recording on external VTRs such as Sony SRW-1 HDCAM-SR™ portable recorders.

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Microphone Volume Protection
A protection cover located under the volume knob of the front microphone on the HDW-F900R is provided to prevent operators from accidentally changing the volume.

Adjustable Shoulder Pad
The position of the shoulder pad on the HDW-F900R can be easily adjusted – both forwards and backwards – without using a screwdriver. This means the operator can always attain a comfortable and well-balanced camera position, even when docked with a range of lenses.

Assignable Button
Viewfinder Return, Record, and other functions can be assigned to this switch on the HDW-F900R.

Electronic Shutter
The electronic shutter on the HDW-F900R helps in capturing clear images of fast-moving objects by selectively minimizing motion blur.
Contrast Range

The HDW-F900R can handle a very impressive contrast range. For the most challenging of light settings and associated scene conditions, several useful operational features are available that allow image optimization in real-time to help capture the desired mood of a shot. The first of these important functions is RGB Gamma Balance. By changing gamma balance, it is possible to change the color balance of the mid-tones without affecting black and white balance. The second feature, Black Gamma, allows fine adjustment of tonal reproduction in the shadows (black) to be made. This can help to bring out details from the dark parts of the picture without affecting mid-tones and with the absolute black level remaining unchanged. It is particularly helpful for dark scenes when the black has to stay black, but there is a requirement to pull out more details.

The range of creative possibilities offered by modifying RGB Gamma Balance and changing Black Gamma is quite inspiring and, when mastered by a cinematographer, offers a great advantage in achieving a desired ‘look’.

Simulated images
Enhanced Gamma Features

In addition to artistic and skilful lighting, in-camera gamma setting plays an important role to deal with contrast range and to give a specific “look” to the image. In order to meet a broad array of customers’ demands, the HDW-F900R offers flexible options to faithfully reproduce their desired “look” of the image.

**HyperGamma**

HyperGamma is a set of new transfer functions designed to provide powerful contrast handling by making maximum use of the capacity and wide dynamic range of the Power HAD CCD sensor. These functions are quickly accessed via the set-up menu, and camera operators can select one curve from a choice of four that best suits their needs and conditions. For example, they can select to enhance natural reproduction in low-key areas, to achieve greater flexibility in wide dynamic scenes, to obtain best color grading in the digital intermediate process, and more. Furthermore, HyperGamma delivers effective on-set monitoring, and therefore does not require any additional external devices or equipment.

**User Gamma Capability**

This is a useful gamma feature for cinematographers who demand custom-made gamma curves for their projects. It allows them to quickly set up and load the gamma curves being edited by the CVP File Editor* gamma creation software running on a Microsoft® Windows® PC. This software allows the gamma curve to be visually edited using an easy-to-use GUI, simply by plotting the x and y values of each point of the curve. Once the gamma curve has been created, it can be easily loaded into the HDW-F900R using a Memory Stick media card.

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*For details of the CVP File Editor, please refer to the HDW-F900R Operation Manual.
Highlight Handling

Sony Advanced TruEye™ processing in the HDW-F900R allows much improved highlight handling, with faithful color reproduction.

Colorimetry

The HDW-F900R produces pictures with astonishing color reproduction accuracy. Its Multi Matrix function also offers unique possibilities for creative intervention by allowing selective color enhancement or alteration. Multi Matrix allows a particular color to be selected and its hue changed over a range of approximately 20 degrees. The level of saturation can also be modified. This permits some very interesting “in camera” effects – similar to the secondary color correction normally reserved for post production special effects work – and is performed at the full bit depth.
Definition – Picture Sharpness

The HDW-F900R produces extremely delicate pictures with fine detail. The CCDs, each with 2.2 million pixels, faithfully capture images with natural sharpness. The HDW-F900R also incorporates some new and innovative image enhancement functions, allowing very precise control of the way the picture texture and edges are represented.

The first of these new features is Soft Focus. The Soft Focus adjustment is particularly convenient for those who find conventional digital images to be too sharp and allows cinematic pictures to be created. In concert with optical filtration, this additional digital filtration can add a new creative extension to the treatment of image softness – and it can be optimized in real-time on the shoot.

The second feature, Adaptive Detail Control (also known as Knee Aperture), allows the image detail enhancement in the highlight areas to look more natural.

The third feature is Skin Tone Detail. This controls the detail level of objects with specific color tonality. It is particularly useful when shooting talents with the intent to creatively alter and soften the texture of their facial appearance while the remainder of the scene retains its full crispness. Within selected areas, details can be enhanced as well as softened. This can be a powerful imaging tool not available in film shooting. Three sets of such correction parameters can be applied simultaneously.
Picture Stability

By its very nature any digital or video camera delivers rock steady pictures. The HDW-F900R is no exception. The picture stability is particularly relevant for productions incorporating multi-layered compositing special effects. Image weave, compounded by noise, is the enemy of all compression algorithms. The emergence of highly compressed MPEG-based delivery systems, including DVD and digital transmission using multiple GOPs (Group of Pictures) calls for a high level of picture stability to maintain picture quality – and digital acquisition is a major boon.

Texture

Because of its very good signal to noise ratio performance, the HDW-F900R delivers subjectively noiseless and grain-free pictures having the finest, most delicate and almost transparent texture. This can exploit the use of subtle cosmetics on the human face, as well as superb reproduction of fine-textured materials. This is extremely beneficial in commercial production. It is also particularly useful when working on productions that require multi-layering and blue-screen effects. The separation between useful information and unwanted grain or noise is straightforward and delivers accurate and spectacular results.

Stop Motion and Time Lapse

With the HKDW-703 Picture Cache Board as standard, the HDW-F900R offers a frame-by-frame recording capability that provides stop-motion and time-lapse modes of operation in-camera. This offers new and innovative creative opportunities in both animation and model shooting.

*The tape requires to be pre-striped on its LTC (at the desired frame/field rate) by the HDW-F900R that will be used in the actual shooting.
Optional Accessories

A full range of optional accessories is available to take full advantage of the versatility and operational features of the HDW-F900R.

Down Converter Board (Optional)

The HKDW-702 Down Converter Board* provides down-converted standard-definition (SD) output from the 1080/59.94i or 1080/50i HD signal with four-channel embedded audio. This makes it possible to monitor recording on-set using a conventional SD-based monitor. SD-SDI or analog composite can be selected via the camcorder’s set-up menu.
Picture Cache Board (Optional)
The HKDW-703 Picture Cache Board, which was originally developed for the HDW-750 series camcorders, is now compatible with the HDW-F900R. It provides up to eight seconds of loop recording using solid state memory. Thus, when the REC start button is pressed, everything that happened up to eight seconds before that moment can be recorded to tape.
In addition, time-lapse and frame-by-frame recording capabilities, known as the interval recording function, can be provided by this option board.

Slow Shutter/Image Inverter Board (Optional)
The HKDW-905R Slow Shutter and Image Inverter Board** powerfully enhances the operational and creative versatility of the HDW-F900R camcorder. With the HKDW-905R equipped, the camcorder can slow its shutter speed down to a 64-frame period*. During such a long frame period, electrical charges accumulate on the CCDs, dramatically increasing sensitivity. This helps camera operators to shoot in extremely dark environments. In addition, because more picture blur occurs when shutter speed is reduced, the HKDW-905R allows operators to produce creative pictures when shooting moving objects, through the intentional use of blurred images.
The image-inversion function of the HKDW-905R board also allows the use of a variety of image-inverting lenses, the Anamorphic Lens Adaptor, and cinema lenses with 2/3-inch adaptors.
*The slow-shutter function and the image-inversion function cannot be used simultaneously.
The shutter speed can be adjusted to a 1-, 2-, 3-, 4-, 5-, 6-, 7-, 8-, 16-, 32-, or 64-frame period.
**The HKDW-905R is not compatible with the HDW-750 series camcorders.

2-3 Pull-down/Down Converter Board (Optional)
In addition to the HKDW-702 board for down-conversion of 1080/59.94i or 1080/50i HD signals, the HKDW-902R* is also available, which down-converts 1080/23.98P HD signals to SD signals via 2-3 pull-down circuitry. Thus, it allows on-set SD monitoring of 1080/23.98P signals on a conventional NTSC monitor. This board also enables SD output to the HDW-F900R’s viewfinder or a monitor connected to the camcorder during 23.98P recording. With this function, users can check images on the viewfinder or monitor without the flickers that usually occur from 23.98P recording.
For the down-converted SD signal, SD-SDI or analog composite can be selected via the camcorder’s set-up menu.

Remote Control Unit – RM-B750 (Optional)
The RM-B750 Remote Control Unit has been designed to establish a highly mobile and fully controllable camera system in the field by integrating control capability equivalent to a Master Set-up Unit into a compact unit powered from the device to be controlled.
The RM-B750 can be connected directly to the HDW-F900R. Combination of an LCD touch-panel screen and direct push buttons enables full parameter adjustment of the camera to be controlled. When necessary, basic tape transport functions of the camcorder can be controlled. For further operational convenience, the RM-B750 has a Memory Stick media card slot so that various setup parameters can be stored and transferred between camcorders.
Optional Digital Cinematography Accessories
Recognizing the acceptance of the original HDW-F900 camcorder for digital cinematography productions, many appropriate film-type accessories have been developed for it by film-related manufacturers. Many of these accessories can be now used with the new HDW-F900R, giving users a broad array of choices. These include special digital cinematography zoom and prime lenses, base plates, matte boxes, follow focus units, etc. These initiatives have been welcomed by crews who principally work with film.
A range of special lenses optimized for the HDW-F900R are also offered by leading manufacturers. A number of these lenses are calibrated in T-stops rather than F-stops, have a cinematic-style focus ring, include the relevant gear teeth for follow focus kits. There is also a range of HD prime lenses for 2/3-inch type B-4 mounting.
Other Options

Viewfinder Eyepiece
A-8314-798-A (High-performance, x3)

Viewfinder Eyepiece
A-8315-537-A (High magnification)
A-8315-538-A (Low magnification)
A-8267-737-A (Standard magnification with special compensation for aberrations)

Memory Stick
MSH-128

AC-DN10
AC Adapter

BP-GL95
Info Li-Ion Battery

BP-GL65
Info Li-Ion Battery

BP-L60S
Info Li-Ion Battery

BC-M150
Battery Charger

BC-L70
Battery Charger

BC-L500
Battery Charger

WRR-855A/855B
Wireless Microphone Receiver

WRR-862A/862B
Dual Diversity Microphone Receiver (Adapter required)

BKW-401
Viewfinder Rotation Bracket

ECM-678*
Electret Condenser Microphone

LC-DN7
Carrying case

RM-B150
Remote Control Unit

BP-L60S
Info Li-Ion Battery

WRR-855A/855B
Wireless Microphone Receiver

BCT-22HD/40HD
HDCAM Video Cassette Tapes (Small)

RM-B750
Tripod Adapter

*Requires the optional K-1502 3-pin to 5-pin conversion cable.
HDW-F900R Specifications

### General
- **Mass**: 5.4 kg (11 lb. 14 oz) with typical ENG lens, cassette and BP-GL95 Battery
- **Power requirement**: DC 12 V (+5.0 V/-3.0 V)
- **Power consumption**: 78 W (With 12 V power supply, REC mode, with HDVF-20A)
- **Operating temperature**: 0 °C to +40 °C (+32 °F to +104 °F)
- **Storage temperature**: -20 °C to +60 °C (-4 °F to +140 °F)
- **Operating humidity**: 25 % to 85 % (Relative humidity)
- **Continuous operating time**: 110 min (With BP-GL95)

### Inputs/outputs
- **Genlock video input**: BNC, 1.0 Vp-p 75 Ω
- **Time code input**: BNC, 0.5 V to 18 Vp-p, 10 kΩ
- **Audio CH1/CH2 input**: XLR-3-pin type (Female), -60 dBu/-50 dBu /-40 dBu/0 dBu
- **MIC input**: XLR-5-pin type (Male), 0 dBm
- **Test output**: BNC (1), 1.0 Vp-p, 75 Ω, unbalanced
- **HD-SDI output**: BNC (2), 0.8 Vp-p, unbalanced
- **Audio output**: XLR-5-pin type (Male), 0 dBm
- **Time code output**: BNC, 1.0 Vp-p, 75 Ω
- **Earphone**: Mini-jack, 8 Ω, - ∞ to –18 dBs variable
- **DC input**: BNC, 1.0 Vp-p, 75 Ω
- **DC output**: XLR-5-pin type (Male), 0 dBm

### VTR section
- **Recording format**: HDCAM
- **Tape speed**: Approx. 77.4 mm/s (24P mode)
- **Playback/Recording time**: 40 min (59.94i, 29.97P), 48 min (50i,25P), 50 min (24P, 23.98P), with BCT-40HD
- **Recommended tape**: Sony BCT-6HD/12HD/22HD/32HD/40HD
- **Sampling frequency**: 1: Clear  2: 1/4 ND  3: 1/16 ND  4: 1/64 ND
- **Clear scan**: 1/32, 1/48, 1/50, 1/60, 1/96, 1/125, 1/250, 1/500, 1/1000 (s)
- **Lens mount**: Special bayonet mount
- **Sensitivity**: I:0.0 at 2000 lux, 89.9 % reflective, At 24 fps, with a 1/48-second shutter speed (equivalent to a 180º film camera shutter setting), the exposure index is approximately equivalent to 300 ISO.

### Audio performance (Playback with standard HDW-F900)
- **Frequency response**: 20 Hz to 20 kHz, +0.5 dB/-0.8 dB
- **Dynamic range**: More than 85 dB (Emphasis ON)
- **Distortion**: 0.08 % Max.
- **Cross talk**: -70 dB
- **Wow & flutter**: Below measurable limit

### Camera section
- **Pickup device**: 3-chip 2/3-type FIT CCD
- **Picture elements (H x V)**: 1920 x 1080
- **Optical system**: F1.4 prism system
- **Built-in filters**: A: 5600 K  B: 3200 K  C: 4300 K  D: 6300 K
- **Shutter speed (1080/24P mode)**: 1/32, 1/48, 1/50, 1/60, 1/96, 1/125, 1/250, 1/500, 1/1000 (s)
- **Lens mount**: Special bayonet mount
- **Supplied Accessories**: Microphone, Super cardiac directional, external power supply type (1)
- **Optional Accessories**: Part No. 3-174-683-01, 1/32 ND Filter

### Supplied Accessories
- Microphone, Super cardiac directional, external power supply type (1)
- XLR connector cover (4)
- Shoulder strap (1)
- Operation guide (1)
- Operation manual (1)
- Operation manual CD-ROM (1)

### Optional Accessories
- VCT-14, Tripod Adapter
- HDVF-C30W, HD LCD Color Viewfinder
- HDVF-20A, CRT B/W Viewfinder
- BP-GL65/GL95/L60S, Info Li-Ion Battery
- BC-M150/L70, BC-L500 Battery Charger
- AC-DN10, AC Adapter
- BCT-6HD/12HD/22HD/32HD/40HD, HDCAM Tape Cassette
- BKW-401, Viewfinder Rotation Bracket
- RM-R750, Remote Control Unit
- RM-B150, Remote Control Unit
- ECM-674/678, Microphone
- CAC-12, Microphone holder
- CCXA-53, Audio cable
- LC-ND7, Hard Carrying Case
- LC-DS6305FT, Soft Carrying Case
- Maintenance manual
- HKDW-702, Down Converter Board
- HKDW-703, Picture Cache Board
- HKDW-902R, 2-3 Pull-down/Down Converter Board
- HKDW-905R, Slow Shutter/Image Inverter Board
- Part No. 1-547-341-11, Fog-proof Filter
- Part No. 3-174-685-01, 1/8 ND Filter