Compact DVCAM Camcorder

Picture quality and reliability are two of the key features that helped make the DSR-PD150P such a phenomenal success - widely regarded as the de facto standard for professional 3CCD compact camcorders since its launch in 2000. The new DSR-PD170P builds on this success with improved audio-video performance, as well as a host of ergonomic and operational improvements - specifically developed in response to customer requests.

### Main Features
- 1/3-inch three CCDs with high sensitivity and S/N ratio
- 2ch XLR audio inputs for professional microphone
- Hybrid colour 2.5-inch LCD panel (211,200 dots)
- Black & white viewfinder (180,000 dots LCD)
- 12x zoom lens with optical Super SteadyShot system
- 16:9 recording mode (electronically processed)
- DVCAM and DV (SP mode) formats recording and playback
- Time Code Preset
- Compact & lightweight: 1.5 kg (excluding microphone, battery & tape)

### Added and Improved Functions on the DSR-PD170P

#### Improved Minimum Illumination
Thanks to an improved CCD signal process, the minimum illumination has been improved from 2 lux to 1 lux.

#### Improved Audio Quality for Manual Recording
Improvements in the audio process circuit have resulted in enhanced audio quality for manual recording (with signal to noise ratio of about 6 dB).

#### More Precise Iris Control
There is now more precise adjustment for the Iris control wheel providing the user with smoother and more sensitive Iris control.

#### Hybrid LCD Panel
A new precision Hybrid LCD panel (Transmissive and Reflective, 211,200 dots, 960H x 220V) has been adopted for picture monitoring. It allows viewing of the LCD panel clearly even in bright sunshine.

#### On-handle Zoom Lever and Rec. Start/Stop Button
In order to facilitate zoom control and recording during low-angle shooting, an additional zoom lever and a Rec. Start/Stop button have been added to the carrying handle. Zoom speed can be selected by three position slide switches located on the side of the handle, from H (faster), L (slower) or Off.

#### Larger Handle Size
The top height of the handle is about 10 mm higher than that of the previous model. The handle design has also been enhanced for a better and easier grip.

#### Larger View Finder
A large size view finder and eye-cup are supplied as standard, and the window size of the magnifier has been enlarged. It allows more comfortable use of the view finder.

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on the LCD panel.

Control the focus on the view simultaneously, allowing the user to turn on the side of the hood, the lens cap can be opened or closed.

Simultaneous Turn On of LCD Panel and View Finder

The LCD panel and the view finder can be turned on simultaneously, allowing the user to focus on the viewfinder and set the camera angle on the LCD panel.

i.LINK Cable Strap

An i.LINK Cable Strap is provided as a supplied accessory. This small plastic plate straps and protects the i.LINK cable. It is useful for avoiding mishaps when an external HDD (for example DSR-DU1) is being used for recording.

New Body Colour and New Design for Zoom / Focus Rings

A new two-tone colour design has been applied to the DSR-PD170P and the design of the zoom and focus rings has also been updated.

DSR-PD170P Specifications

| Lens | 12:1 Variable Speed (1:2-22 sec.) zoom lens (48 x Digital zoom) |
| Focus | Auto / Manual (ring) / Infinity / One push auto |
| Imaging Device | Three 1/3-inch CCDs, 450,000 pixels, Progressive/Interlace Scan |
| White Balance | Auto / one-push / Outdoor (5800 K) / Indoor (3200 K) |
| Shutter Speed | 1/3, 1/6, 1/12, 1/25, 1/50, 1/100, 1/200, 1/400, 1/500, 1/1000, 1/2000, 1/4000 |
| Iris | F1.6, F2, F2.4, F2.8, F3.4, F4, F4.8, F5.6, F6.8, F8.0, F9.6, F11, Close |
| Gain | 0, 3, 6, 9, 12, 15, 18dB |
| Exposure | Auto / Manual |
| Minimum Illumination | 1 lx |
| Horizontal Resolution | 530 TV lines |
| Viewfinder | 180° dot Black & White LCD, horizontal resolution 600 TV lines |
| Audio Signal | REC / Playback 48 kHz/16-bit, 32 kHz/12-bit |
| Built-in Speaker | 48 kHz/16-bit, 32 kHz/12-bit, 44.1 kHz/16-bit |
| LCD | Hybrid, 2.5 type, 211,200 dots (960 H x 220 V) |
| Tape Speed | Approx. 28.2 mm/sec. (DVCAM mode) Approx. 18.8 mm/sec. (DV SP mode) |
| Maximum Recording Time | 40 minutes (DVCAM mode), 60 minutes (DV SP mode, with DVM-60ME) |
| Video Signal | CCIR Standard, PAL colour system |

Connectors

- **Video**
  - Video IN/OUT RCA pin x 1, Luminance signal : 1 Vp-p, -75 Ω, unbalanced, sync negative
  - Audio IN/OUT RCA pin x 1, 327 mV, Output impedance with more than 47 kΩ
  - S-Video IN/OUT RCA pin x 1, Luminance signal : 1 Vp-p, -75 Ω, unbalanced, Chrominance signal : 0.3 Vp-p
  - Audio IN XLR 3-pin female x 2, 327 mV, -60 dBu, 3 kΩ, + 4 dBu, 10 kΩ (6 dBu = 0.775 V ms)
  - i.LINK (DV IN/OUT) : 4-pin x 1, LANC : Stereo mini jack (0.25 mm) x 1
  - Headphone : Stereo mini jack (0.35 mm) x 1, External DC IN : 8.4 V for AC-LL15 AC adapter or AC-V700A + DK-215

Operating Temperature

- 0 to 40 °C

Storage Temperature

- -20 to 60 °C

Power Requirements

- DC 7.2 V (Battery) DC 8.4 V (AC adapter)

Power Consumption

- REC with Viewfinder only: 4.0 W
- REC with LCD only: 5.4 W
- Playback on LCD: 3.5 W

Dimensions (camcorder only)

- 136 (W) x 180 (H) x 456 (D) mm

Mass (camcorder only)

- Approx. 1.5 kg (3 lb 5 oz)

Supplied Accessories

- AC-LL15 AC Adapter
- NP-F330 InfoLITHIUM “L” series Rechargeable Battery Pack
- ECM-NV1 Electret Condenser Microphone
- VCL-HG0758 Wide Conversion Lens
- LSR-58H Hood for Wide Conversion Lens and Hood Cap
- Lens Cap built in Hood
- Lens Cap
- i.LINK Cable Strap
- Carrying Belt
- AV Cable (RCA PIN x3)
- RMT-811 Wireless Remote Commander
- (with 2 x AA Dry Batteries)

Dimensions (Unit: mm)

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