

DSR-1P

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Digital Videocassette Recorder

- Superb picture quality inherent in the DVCAM digital component recording format
- Dual interface mechanism - directly connected with both digital and analogue cameras due to incorporation of both Pro 76-pin Digital and analogue Pro 50-pin connectors (DXC-D30P, DXC-D30WSP, DXC-637P, DXC-537AP, DXC-537P, DXC-327AP and DXC-327BP)
- Perfect camcorder operation by docking with the DXC-D30P Digital Camera to create the DSR-130P
- Dual-size cassette mechanism allows both DVCAM standard cassette and mini cassette tapes to be used without any special adaptor
- A maximum 184 minutes of recording/playback time in a DVCAM standard size cassette and 40 minutes in a mini size
- PCM (Pulse Code Modulation) digital audio recording for both two channel (48kHz/16-bit) and four channel (32kHz/12-bit, only CH-1/CH-2) modes (selectable)
- Compact and lightweight 2.85 kg (6 lb 4 oz including NP-1B battery)
- Low power consumption: approx. 12W
- Lightweight rugged magnesium diecast body and small drum mechanism
- Full colour picture playback capability in the field without a playback adaptor
- ClipLink operation
- Camera setup data file system (w/DXC-D30P and DXC-D30WSP)
- Time code display in playback (w/DXC-D30P and DXC-D30WSP)
- Record review function
- Viewfinder playback capability for field verification
- Built-in EBU time code generator/reader
- Time base stabilizer
- Frame accurate back space editing
- Built-in speaker
- Selectable battery packs to extend operating time
- Equipped with a DC out for the wireless microphone
- Built-in external microphone power supply (+48V)
- Easy integration with Anton/Bauer® equipment
- Full range of controls are provided (Fast Forward/Rewind/Play/Stop/Eject)
- Comprehensive 8-digit LCD
- Easy menu selection on the LCD
- Built-in self-diagnostics with character display on TV monitor
- Digital hours meter

- Supplied accessories:
- Shoulder strap
 - Lithium-ion button cell (type CR2032)
 - Operating instructions
 - ClipLink Guide
 - Connector cap
 - M4 x6 Screws (x2)
 - M4 x12 Screws (x2)
- Optional accessories:
- Rechargeable NiCd Battery NP-1B
 - Rechargeable NiCd Battery BP-90A
 - Rechargeable Lithium-ion Battery BP-L60/L90
 - Battery Case (for NP-1B) DC-520
 - Battery Case (for BP-90A) DC-500
 - Battery Case (for BP-90A, waist belt type) DC-210
 - Battery Adaptor (for BP-L60/L90) BKW-L601
 - Battery Charger (for NP-1B) BC-1WDCE
 - Battery Charger (for BP-90A/NP-1B) BC-410CE
 - Battery Charger (for BP-L60/L90) BC-L100CE
 - AC Power Adaptor CMA-8ACE
 - AC Power Adaptor AC-550CE
 - Power Supply Cable (for CMA-8ACE) CCQX-3
 - Camera Adaptor (for BVP series) CA-514

Specifications

General

Type: Dockable recorder unit

Power requirements: DC12V, +5/-1V

Power consumption: 12W (10W in recording mode w/DXC-D30P)

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: Less than 85%

Storage humidity: Less than 90%

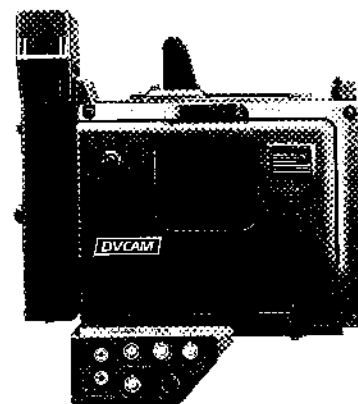
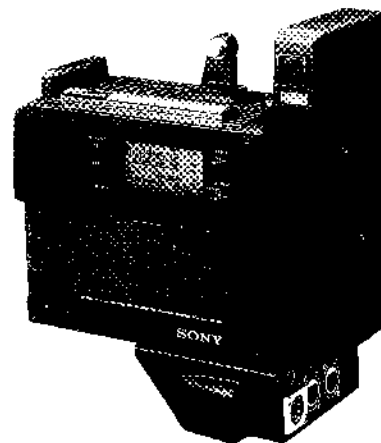
Mass: 2.85 kg (6 lb 4 oz) (including NP-1B Battery)

Dimensions: 118 (W) x 185 (H) x 210 (D) mm (4¾ x 7¾ x 8¾ inches)

Tape speed: 28.221 mm/s

Recording/Playback time:

Standard size	More than 184min. w/PDV-184ME
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Fast forward/Rewind time:

Standard size	Less than 12min. w/PDV-184ME
Mini size	Less than 3min. w/PDVM-40ME

Continuous recording time:

	Approx. 60min. w/NP-1B (DSR-1P+DXC-D30P)
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Video Performance

Band width:

Luminance	25Hz ~ 5.5MHz +1.0/-2.0dB
	5.75MHz +0/-3.0dB (Typical measurement)
Chrominance	25Hz ~ 2.0MHz +1.0/-2.0dB

S/N ratio: More than 55dB

K-factor (K2T, KP8): Less than 2.0%

Y/C delay: Less than 30ns

Audio Performance

Frequency response:

2CH mode (48kHz/16-bit)	20Hz ~ 20kHz +0.5/-1.0dB
4CH mode (32kHz/12-bit)	20Hz ~ 14.5kHz +0.5/-1.0dB

Dynamic range: More than 80dB

Distortion (THD+N): Less than 0.08%

Signal Inputs

GEN LOCK VIDEO IN (BNC): 1.0Vp-p, 75Ω

EXT AUDIO IN CH-1/2 (XLR 3-pin female): -60dBu, 3kΩ/4dBu, 10kΩ

TIME CODE IN (BNC): 0.5Vp-p to 18Vp-p, 10kΩ

Signal Outputs

VIDEO OUT (BNC): 1.0Vp-p, 75Ω

S-VIDEO (DIN 4-pin): Y : 1.0Vp-p, 75Ω, sync negative
C : 0.3Vp-p, 75Ω

AUDIO OUT CH-1/2 (RCA pin): -10dBu, 47kΩ

TIME CODE OUT (BNC): 1.0Vp-p, 75Ω

Others

ANALOGUE I/F: Pro 50-pin (x1)

DIGITAL I/F: Pro 76-pin Digital (x1)

DC 12V: XLR 4-pin male (at rear) (x1)

DC OUT: 4-pin (x1)

EARPHONE OUT: Stereo mini jack (x1)