J-1 / J-2 / J-3
Compact Player

Compact
Players
for Your Desk

COMPACT PLAYER

Digital BETACAM

J-3

this is not a rehearsal.

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SONY

Actual size

Ideal Personal-Use Compact Players

The design concept of the J series Compact Players was for **affordable, compact office viewers** to be used by producers, journalists and production staff. The result is three models that are ideal for personal, desktop use. At the same time, they have **all the features required for viewing, logging and source feeding to servers or nonlinear editing systems.** All J series Compact Players can playback Betacam SX™, Betacam SP™ and Betacam™ tapes. In addition to this ability to playback analogue Betacam formats, the J-2 Compact Player can playback MPEG IMX™ tapes while the **J-3 model adds both MPEG IMX and Digital Betacam™ tape playback**. All models have a Jog/Shuttle dial, 525/625 playback, simple remote control capability via RS-422A and audio meters – they can even replay L-size cassettes.
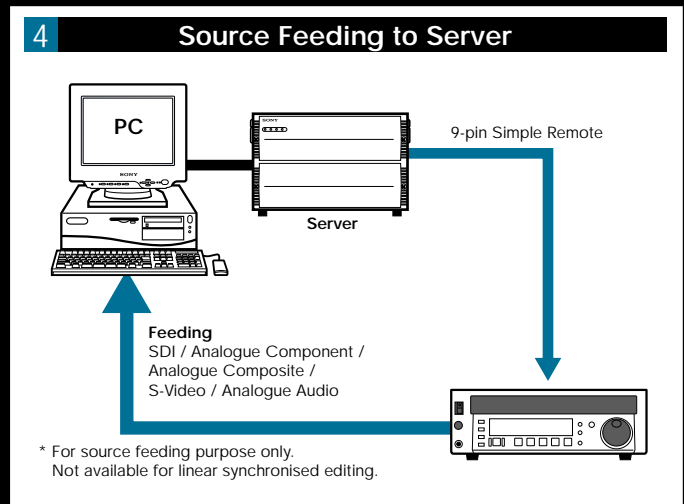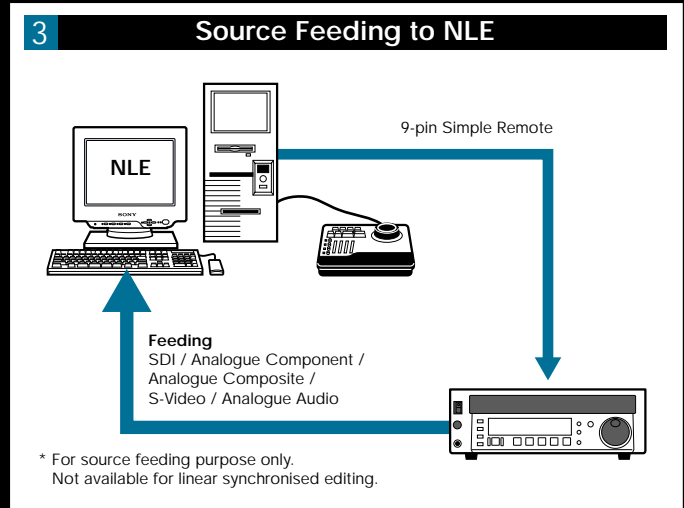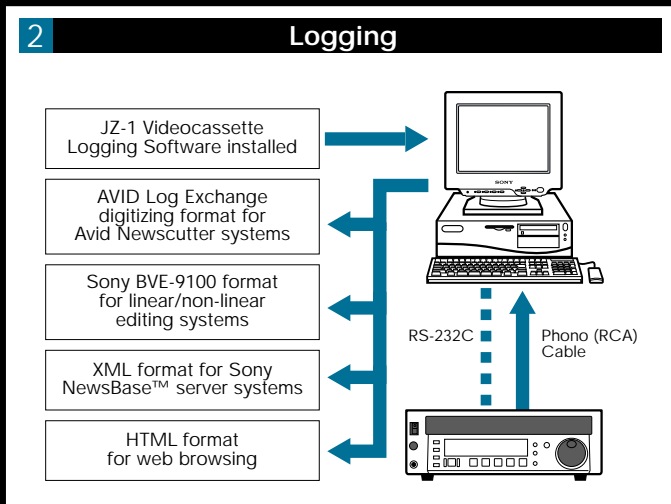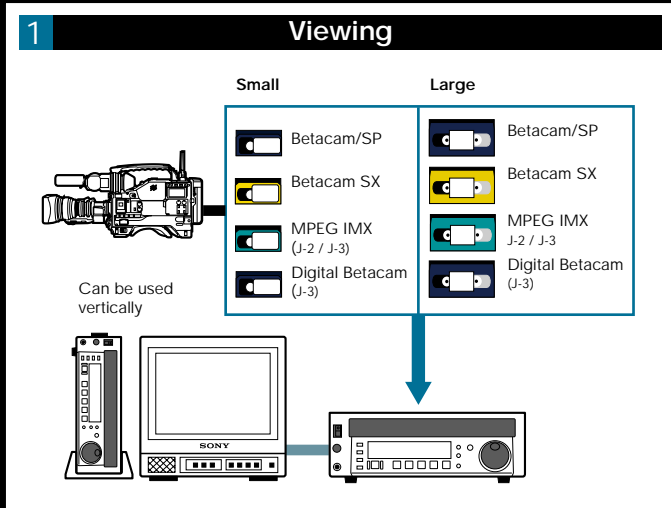

Compact
Player J-1

Compact
Player J-2

Compact
Player J-3

J Series main Applications

1   Viewing

Small		Large	
	Betacam/SP		Betacam/SP
	Betacam SX		Betacam SX
	MPEG IMX (J-2 / J-3)		MPEG IMX J-2 / J-3
	Digital Betacam (J-3)		Digital Betacam (J-3)

Can be used vertically

3   Source Feeding to NLE

NLE

9-pin Simple Remote

Feeding
SDI / Analogue Component /
Analogue Composite /
S-Video / Analogue Audio

* For source feeding purpose only.
  Not available for linear synchronised editing.

2   Logging

JZ-1 Videocassette
Logging Software installed

AVID Log Exchange
digitizing format for
Avid Newscutter systems

Sony BVE-9100 format
for linear/non-linear
editing systems

XML format for Sony
NewsBase™ server systems

HTML format
for web browsing

RS-232C   Phono (RCA) Cable

4   Source Feeding to Server

PC

Server

9-pin Simple Remote

Feeding
SDI / Analogue Component /
Analogue Composite /
S-Video / Analogue Audio

* For source feeding purpose only.
 Not available for linear synchronised editing.

Compact body design

J series Compact Players
are extremely compact.
They are just 307 x 100 x 397 mm
(12 ⅛ x 4 x 15 ¾ inches) in size
and weigh only 7 kg (15 lb 7 oz).

**Their compact design allows
them to fit on the desks of busy
producers, journalists and editors.**

They operate equally well used horizontally
or standing upright on either end using the
supplied vertical stand.

100 mm

321.5 mm

161 mm

307 mm

100 mm

397 mm
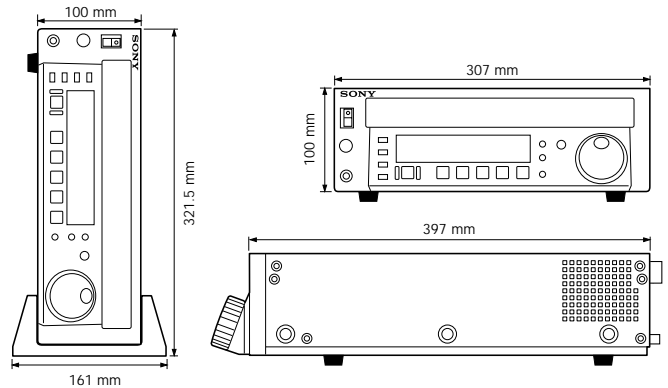
Main features

Replay of both Small and Large cassettes

Despite their very compact body size, J series
Compact Players can play Large as well as Small
size cassettes.
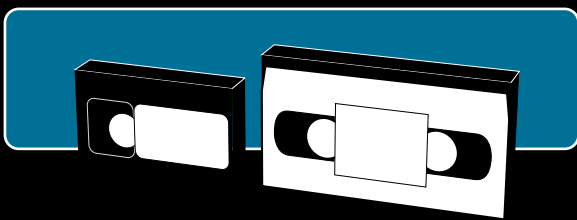
525/625 versatility

J series Compact Players are easily switched between
525/60 and 625/50 playback modes. This enables
them to work in international environments.

525 SONY

625 SONY
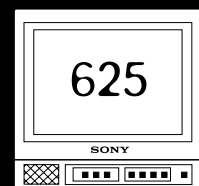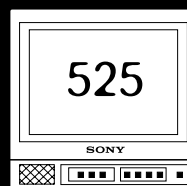
Betacam, Betacam SP, Betacam SX, MPEG IMX and Digital Betacam tape playback capability

All J series Compact Players have the capability to
play back Betacam SX, Betacam SP and Betacam
tape recordings. The J-2 Compact Player has the
added capability of MPEG IMX tape playback.
The J-3 Compact Player adds the playback capability
of both MPEG IMX and Digital Betacam recordings.

During cassette loading, each format is automatically
identified for playback, so no menu settings or
switching is necessary. (During Betacam SP playback, the
AFM audio tracks are not replayed, and video performance is equiv-
alent to UVW Betacam quality).

J-1 → BETACAM   BETACAM SP   BETACAM SX

J-2 → BETACAM   BETACAM SP   BETACAM SX   MPEG IMX

J-3 → BETACAM   BETACAM SP   BETACAM SX   MPEG IMX   Digital BETACAM

## Source feeding to server/NLE by simple remote control via RS-422A

Equipped with the industry standard RS-422A Sony 9-pin remote control interface, J series Compact Players can be used not only for viewing and logging but also for feeding source material to servers and nonlinear editors.

Note: J series Compact Players can not be used as editing players in conventional linear editing applications, or for on-air playout of material.
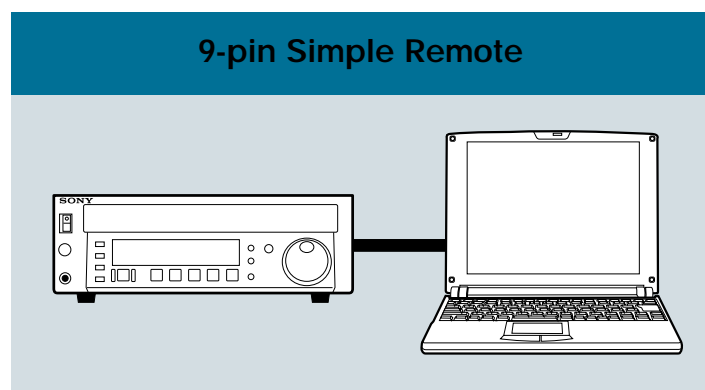
Choice of analogue component output or SDI output

There is a choice of outputs with the J-Series Compact Players - the J-1/A, J-2/A and J-3/A have an analogue component video output. The J-1/SDI, J-2/SDI and J-3/SDI have an SDI output. Both versions also have analogue composite video, S-video and analogue audio outputs. This choice of player provides either an analogue component video output or an SDI output, plus the common outputs.

9-pin Simple Remote

SDI or Component, plus Composite
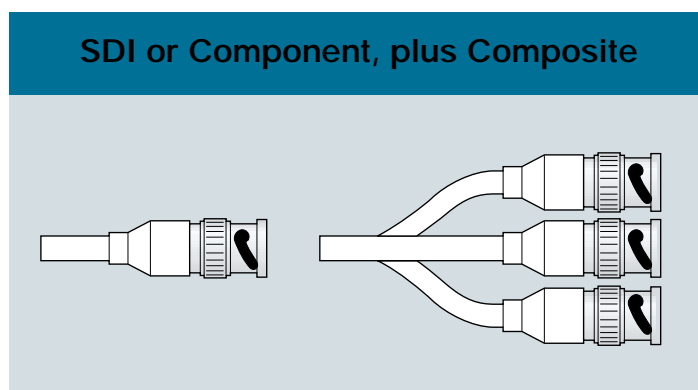
An affordable tape logging system with JZ-1 software

The combined use of a J series player and JZ-1 Videocassette Logging Software creates an affordable tape logging system available to all playback-compatible VTR formats. This is achieved by connecting a J series player to a PC* running JZ- 1 software via an RS-232C cable.
This software provides an easy-to-use GUI to create log data of edit in/out points and to add simple comments to each logged scene. In addition, a storyboard function is available to assemble a sequence of logged scenes into a simple EDL prior to data export. Log lists can be exported in a variety of formats including the AVID Log Exchange digitizing format for Avid Newscutter, the Sony BVE-9100 format for linear/non-linear editing systems, the XML format for Sony NewsBase™ server systems, and the HTML format for web browsing.

Note: An appropriate video capture card must be installed in the PC.

Tele-File™ system

Another important option to increase editing efficiency is the Sony Tele-File system, a non-contact read/write system for storing production-related data on an IC memory embedded in a 1/2-inch cassette label. Connecting a PC running JZ-1 Videocassette Logging Software to a J series VTR allows information to be read from and written to a Tele-File label (option: MLB-1M-100) via GUI-based operations.

Shot Mark handling

The J series VTRs can scan tapes with Shot Marks and automatically detect their positions. After scanning, a list of all marks can be displayed on a video monitor, allowing easy cueing to any mark.

Specifications

		J-1	J-2	J-3
General	Power requirements	AC 100 V to 240 V, 50/60 Hz		
	Power consumption	50 W		
	Operating temperature	+5 °C to +40 °C (+41 °F to +104 °F)		
	Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)		
	Humidity	25% to 80% (relative humidity)		
	Mass	7 kg (15 lb 7 oz)		
	Dimensions (W × H × D)	307 × 100 × 397 mm (12 $\frac{1}{8}$ × 4 × 15 $\frac{3}{4}$ inches)		
	Tape speed — Digital Betacam	—		96.7 mm/s
	Tape speed — MPEG IMX	—	64.467 mm/s (525 mode), 53.776 mm/s (625 mode)	
	Tape speed — Betacam SX	59.515 mm/s (525 mode), 59.575 mm/s (625 mode)		
	Tape speed — Betacam/Betacam SP	118.6 mm/s (525 mode), 101.5 mm/s (625 mode)		
	Playback time — Digital Betacam	—		Max. 124 min. with BCT-D124L
	Playback time — MPEG IMX	—	Max.184 (525 mode)/220 (625 mode) min with BCT-184MXL cassette	
	Playback time — Betacam SX	Max. 194 min with BCT-194SXLA cassette		
	Playback time — Betacam/Betacam SP	Max. 90 (525 mode)/105 (625 mode) min with BCT-90MLA cassette		
	Fast forward/rewind time — Digital Betacam	—		Approx. 5 min with BCT-D124L
	Fast forward/rewind time — MPEG IMX	—	Approx. 5 min with BCT-184MXL cassette	
	Fast forward/rewind time — Betacam SX	Approx. 5 min with BCT-194SXLA cassette		
	Fast forward/rewind time — Betacam/Betacam SP	Approx. 5 min with BCT-90MLA cassette		
	Search speed range — Digital Betacam	—		± 20 times normal playback speed
	Search speed range — MPEG IMX	—	±32 times normal playback speed	
	Search speed range — Betacam SX	±35 times normal playback speed		
	Search speed range — Betacam/Betacam SP	±18 times normal playback speed		
	Servo lock time	0.5 s or less (from standby on)		
	Load/unload time	6 s or less		
Input signals	Ext. sync	BNC (×1), Frame lock		
Output signals	Analogue composite output	BNC (×1), Pin Jack (×1), 1.0 Vp-p, 75 Ω		
	S-video output	Mini DIN 4-pin (×1),Y: 1.0 Vp-p, C.0.286 Vp-p burst, 75 Ω		
	Analogue component output (with J-1/A, J-2/A, J-3/A)	BNC (×3), Y: 1.0 Vp-p, R-Y/B-Y: 0.7 Vp-p, 75 Ω		
	SDI output (with J-1/SDI, J-2/SDI, J-3/SDI)	BNC (×1), SMPTE 259M, 270 Mb/s, 0.8 Vp-p, 75 Ω		
	Remote control — RS-422A	D-sub 9-pin (female) (×1), Sony 9-pin remote interface		
	Remote control — RS-232C	D-sub 9-pin (female) (×1)		
	Monitor output L/R	Pin Jack (x1): -10 dBu at 47 kΩ load, unbalanced, XLR (male ×2): +4 dBm, 600 Ω load, low impedance, balanced		
	Headphone output	JM-60 Stereo Phone Jack, -∞ to -12 dBu at 8 Ω load, unbalanced		
Supplied accessories		Operation manual (CD-ROM) (×1)		
		Vertical stand (×2)		
		Quick Operation Guide (×1)		

Rear Panel

J-1/A, J-2/A, J-3/A

J-1/SDI, J-2/SDI, J-3/SDI

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