

## FXE-120P Video Editing System

### Features

\*Integration of an editing controller, video switcher, audio mixer and digital effects generator \*Three VTR control (RS-422A/RS-232C) \*LANC (Local Application Control bus system) interface for controlling home-use LANC VTRs and camcorders as player VTRs \*Time code based editing \*Equipped with two buses \* GPI input/output \*8-bit quantization, 4:1:1 digital processing \*Built-in frame synchronizers allow editing without a time base corrector \*140 wipe patterns \*Digital effects (Mix Effect/Fade Effect/ Input Effects) \*Built-in chromakeyer and luminance keyer \*Color correction capability \*25 different color background \*Editing memory for 99 events \*Saving/ loading of EDL data



### Applicable Models

DSR-30P Recorder

### Supplied Accessories

AC power cord (1)  
Instruction manual (1)  
User's guide (1)  
LANC cord (2)

### Optional Accessories

RCC-G cables 9-pin/9-pin Cable

### Specifications

#### General

Signal system:  
PAL  
Power requirements:  
AC 220 to 240 V  $\pm 10\%$ , 50/60 Hz  $\pm 5\%$   
Power consumption:  
Maximum 65 W  
Operating temperature:  
5 to 40°C (41 to 104°F)  
Storage temperature:  
-20 to 60°C (-4 to 140°F)  
Dimensions:  
424 (W) x 138.5 (H) x 437.5 (D) mm  
(16 3/4 x 5 1/2 x 17 1/4 inches)  
Mass:  
Approx. 7.3 kg (16 lb 1 oz)

#### Systems

Time counter:  
Internal time counter (3)  
Time count display range:  
Time code: 00:00:00:00 to 23:59:59:24  
CTL:  $\pm 9:59:59:24$  Full edit mode  
Editing mode:  
Assemble edit: Video, Audio 1/2  
Insert Edit: Video Audio 1/2  
First edit, Time code insert  
Split edit, Dynamic Motion Control (DMC)  
Edit type:  
MIX, WIPE, SYNC-ROLL, CUT, MANUAL 1st Edit, Audio Split Edit, DMC Control  
Edit reference:  
CTL, LTC, SMPTE/EBU time code, 8 mm time code, RC time code, DV time code

#### Edit accuracy:

RS-422A:  $\pm 0$  frame with TC,  $\pm 1$  frame with CTL  
RS-232C:  $\pm 1$  frame with TC  
LANC:  $\pm 5$  frame with RC time code

#### Transition time range:

0 to 999 frames

#### Pinch-on delay:

Simultaneous measurement of pinch-on delay for up to three VTRs connected to RS-422A/RS-232C/LANC connectors

#### EDL memory capacity:

99 edits

#### Split edit reference:

Audio or video input

#### Control

##### VTR interface:

RS-422A: 9-pin  
RS-232C: D-sub 9-pin  
LANC: stereo mini-mini jack

##### Controllable VTR:

1 recorder, up to 2 players

##### GPI interface:

GPI IN (BNC)  
GPI OUT (BNC) (2)

##### EDL interface:

EDL IN/OUT (D-sub 9-pin)

#### Video

##### Video inputs

Composite:  
BNC (4), unbalanced  
(PLAYER 1, PLAYER 2, AUX1, RECORDER)  
Video: 1.0 Vp-p, 75  $\Omega$   
Sync: 0.3 Vp-p  
Burst: 0.3 Vp-p

##### S-Video:

4-pin (4), unbalanced  
(PLAYER 1, PLAYER 2, AUX1, RECORDER)  
Y: 1.0 Vp-p, 75  $\Omega$ , sync negative  
C: 0.3 Vp-p, 75  $\Omega$   
Sync: 0.3 Vp-p

##### Video outputs

Composite:  
BNC (3), unbalanced  
(PGM 1, 2, MONITOR)  
Video: 1.0 Vp-p, 75  $\Omega$   
Sync: 0.3 Vp-p  
Burst: 0.3 Vp-p

##### S-Video

4-pin (2), unbalanced  
Y: 1.0 Vp-p, 75  $\Omega$ , Sync negative  
C: 0.3 Vp-p, 75  $\Omega$   
Sync: 0.3 Vp-p

##### Black burst out:

BNC (4), unbalanced  
Sync: 0.3 Vp-p  
Burst: 0.3 Vp-p

##### Audio

##### Audio inputs (stereo):

AUDIO L/R INPUT (PIN jack), (2 channels (5))  
PLAYER 1 MAIN (2), SUB (2)  
PLAYER 2 MAIN (2), SUB (2)  
RECORDER (2)  
AUX 1 (2)  
AUX 2 (2)

Input impedance: selectable with 600  $\Omega$  terminal switch  
Input level: -7.5 dBs (input impedance 47 k $\Omega$  or above, 600 k $\Omega$  switch OFF)  
+4 dBs (input impedance 600  $\Omega$ , 600  $\Omega$  switch ON)

##### Mic input (monaural):

PIN (1), unbalanced  
Input level: -60 dBs  
Input impedance: more than 4.3 k $\Omega$  or above

##### Audio outputs (stereo):

AUDIO L/R OUTPUT (PIN jack) (6)  
PGM 1(2), PGM 2(2), MONITOR (2)  
Output level: -7.5 dB/+4.0 dB selectable  
Output impedance: 47 k $\Omega$  (-7.5 dBs/+4.0 dBs)

#### Signal processing

##### Sampling rate:

Y: 910 fH (fH = 15,625 kHz)  
R-Y/ B-Y: 1/4 x 910 fH

##### Quantization:

Y/R-Y/B-Y: 8-bits

##### Frequency response:

0 to 5 MHz +1 dB/ -4 dB

##### Signal to noise ratio:

More than 53 dB

##### Y/C delay:

Less than 50 ns (Composite)

#### Recommended LANC VTRs

Recorder VTR:

DSR-30P