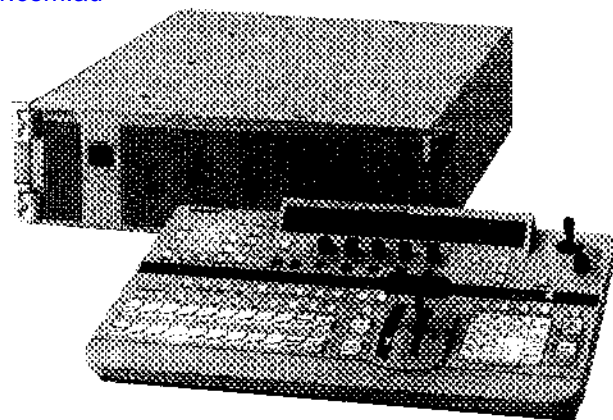


DFS-700P

Downloaded from: www.broadcast-trader.com.au

DME Switcher

- Video switcher equipped with powerful digital multi effector
- Full digital component processing from input to output at 4:2:2:4 (video and key)
- No need for external A/D converters
- Incorporates thousands of factory preset effect patterns including non-linear digital effects
- The perfect companion for Sony digital VTRs and servers
- Real-time system, capable of delivering effects in an instant
- Eight standard inputs include four SDIs and four analog components
- Eight standard outputs include two SDIs, two analog components, two analog composites, and two Y/Cs
- Can be used with Sony BVE-2000/P and PVE-500/P editors via the serial interface
- Optional boards are prepared to change the types of inputs (BKDF-701/702P)
- Chroma keyer, Y/U/V color correction, down stream keyer, fade-to-black, and frame memory are included
- 2nd channel DME board prepared as an option (BKDF-711)
- 3D video mapping effects board prepared as an option (BKDF-712)



Optional Accessories

BKDF-701	Digital/Analog Input Board for NTSC/PAL
BKDF-702P	Analog Composite Input Board for PAL
BKDF-711	2nd Channel DME Board
BKDF-712	3D Video Mapping Effects Board

Specifications

General

Power requirements:	AC 220/240 V, 50/60 Hz
Operating voltage:	AC 180 to 260 V, 47 to 63 Hz
Power consumption:	200 W
Operating temperature:	0 to 40 °C (32 to 104 °F)
Dimensions:	Control panel: 440 (W) × 121 (H) × 287 (D) mm 17 1/4 × 4 3/4 × 11 1/4 inches
	Processor unit: 440 × 132 × 520 mm 17 1/4 × 5 1/4 × 20 1/2 inches
Mass:	Control panel: 3 kg, 6 lb 10 oz Processor unit: 14 kg, 30 lb 14 oz

Input Signals

VIDEO INPUTS

SDI:	BNC type x 4 270 Mb/s
Component:	BNC type x 4 (Y/R-Y/B-Y) Y: 1.0 Vp-p, 75 Ω, Sync negative R-Y/B-Y: 0.525 Vp-p, 75 Ω
DSK KEY IN:	BNC type x 2, Loop-through, 1.0 Vp-p, 75 Ω
REF VIDEO:	BNC type x 2, Loop-through connection Sync: 0.3 Vp-p Burst: 0.3 Vp-p

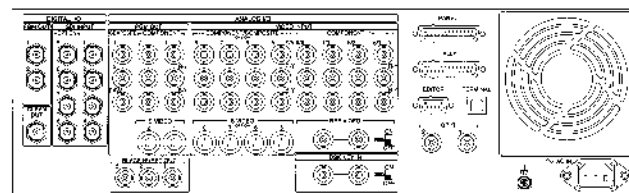
Output Signals

PGM OUT

SDI:	BNC type x 2 270 Mb/s
Component:	BNC type x 2 (Y/R-Y/B-Y) Y: 1.0 Vp-p, 75 Ω, Sync negative R-Y/B-Y: 0.525 Vp-p, 75 Ω
Composite:	BNC type x 2 Video: 1.0 Vp-p, 75 Ω, Sync negative
S-Video:	DIN type x 2 (Y/C) Y: 1.0 Vp-p, 75 Ω, Sync negative C: 0.3 Vp-p at burst, 75 Ω
CLEAN OUT:	BNC type x 1 SDI: 270 Mb/s
PREVIEW OUT:	BNC type x 1, Composite Video: 1.0 Vp-p, 75 Ω, Sync negative
BLACK BURST OUT:	BNC type x 3 Sync: 0.3 Vp-p, 75 Ω Burst: 0.3 Vp-p, 75 Ω

Signal Processing

Sampling rate:	Y: 13.5 MHz R-Y/B-Y: 6.75 MHz
Quantization:	Y/R-Y/B-Y: 8 bits
Linearity (Composite output):	DG: Less than 3.5% (composite input) Less than 2% (component, S-Video input)
	DP: Less than 2.5% (composite input)



S/N	More than 50 dB (composite) More than 55 dB (component, S-Video)
Y/C delay	Less than 20 ns (component) Less than 50 ns (composite, S-Video)

Control Signals

Editor	D-sub 9 pin x 1, RS-422A
GPI/T	BNC type x 2, TTL Level
Panel	D-sub 25-pin x 1
Tally	D-sub 25-pin x 1, Relay contact outputs x 8
Terminal	USB B-type

BKDF-701

With the BKDF-701, the following 8 inputs can be added to the standard 8 inputs of the DFS-700/P, making the total number of inputs 16. During use, any 8 of the 16 inputs can be assigned to the control panel.

Input Signals

SDI:	BNC type x 4 270 Mb/s
Component:	BNC type x 4 (Y/R-Y/B-Y) Y: 1.0 Vp-p, 75 Ω, Sync negative R-Y/B-Y: 0.525 Vp-p, 75 Ω

BKDF-702P

With the BKDF-702P, the following 4 inputs (composite or S-Video) can be added to the standard 8 inputs of the DFS-700P, making the total number of inputs 12. During use, any 8 of the 12 inputs can be assigned to the control panel.

Input Signals

Composite:	BNC type x 4 Video: 1.0 Vp-p, 75 Ω, Sync negative
S-Video:	DIN type x 4 (Y/C) Y: 1.0 Vp-p, 75 Ω, Sync negative C: 0.3 Vp-p at burst, 75 Ω