



DFS-900M

Multi-format Switcher

Compact HD/SD Switcher with 24 inputs*, 12 outputs*,
2ch Multi Viewer*, and a Variety of Powerful Functionalities

Sony introduces a highly sophisticated and compact video switcher, the DFS-900M.

The DFS-900M is a powerful switcher for many different applications including local broadcast, small production, house-of-worship production, the educational sector, and government activities.

With a variety of powerful functionalities packed in an extremely compact 3RU-size processor chassis, the versatile DFS-900M offers a multi-format capability to operate in SD, HD, or mixed SD/HD format environments.

For more flexibility, there are two types of control panel: the 1 M/E and 1.5 M/E.

In addition, an extensive range of optional boards and accessories are provided.

With its ideal combination of small size and huge versatility, the DFS-900M is a high-performance yet affordable compact live production switcher.

* Optional boards are required.

Key Features

Multi-format Capability in SD or HD format configurations

- HD configuration: 1080i/59.94, 1080i/50, 720p/59.94, 720p/50
- SD configuration: 480i/59.94, 576i/50
- SD and HD signals can be handled together, thanks to the format converting function of its optional input and output boards.

Flexible Input/Output Configurations

- Eight inputs and four outputs for HD-SDI or SD-SDI as standard
- The number of inputs can be increased to 24 by adding four optional BKDF-910 Input Boards.
- The number of outputs can be increased to 12 by adding two optional BKDF-960 Output Boards.
- Each board is equipped with a two-channel format converter.
- Asynchronous input signals can be accepted due to a built-in frame synchronizer.

Powerful Functionality Including 3D DME

- Six keyers (four keyers and two DSKs), a wide range of switcher effects, and six-channel 3D digital effects*1 including DME wipe, non-linear effects, and warp.
- More than 100 wipe patterns including a wide range of adjustable parameters for these effects.
- Four-channel Frame Memory, allowing sources from inputs to be captured as still images that can be handled as primary input.

*1 Two-channel 3D DME effects as standard.

Multi-view Function by the optional BKDF-950 Multi Viewer Board

This function allows users to view everything together on the same monitor – input video, preview video, and program video.

- The screen can be split into 4, 10, or 16 windows to display multiple images.
- Up to 32 windows can be monitored simultaneously on two screens.

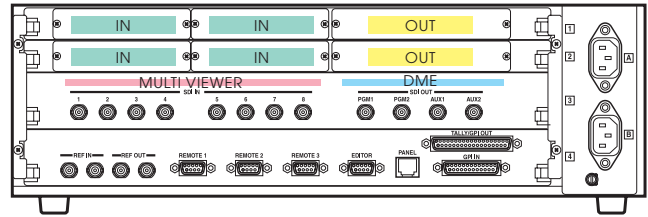
Two types of compact Control Panels

- BKDF-901 1 M/E Control Panel
- BKDF-902 1.5 M/E Control Panel

Variety of Optional Accessories

Up to four input boards and two output boards can be installed in the DFS-900M processor. And up to two multi-viewer boards and up to two two-channel DME boards can be installed.

- BKDF-910 HD/SD SDI Input Board (Four-input with Frame synchronizer and Two-channel Up-converter)
- BKDF-911 Two-channel SD Input Board with Frame Synchronizer and Up-converter
- BKDF-912 Two-channel DVI-I Input Board with Frame Synchronizer and Format Converter
- BKDF-940 Two-channel DME Board
- BKDF-950 Multi Viewer Board (4/10/16 Split Pictures)
- BKDF-960 HD/SD SDI Output Board (Four-output with Two-channel Down-converter)
- BKDF-961 Two-channel SD Output Board with Down-converter
- BKDF-962 Two-channel DVI-I Output Board with Format Converter
- BKDF-990 Redundant PSU (for DFS-900M)
- Tyco Electronic 1515L 15-inch LCD Touch Monitor



Rear Panel

Specifications

DFS-900M Processor Unit

General	
Power requirements	100 to 240 V AC, 50/60 Hz
Power consumption	400 W (when the maximum number of optional boards are installed)
Dimensions (W/H/D)	440 x 132 x 445 mm (17 3/8 x 5 1/4 x 17 5/8 inches)
Mass	17.3 kg (38 lb 2 oz) (not including any optional product)
Signal processing	
Television system	1080/59.94i, 1080/50i, 720/50p, 720/59.94p, 480/59.94i, 576/50i
Inputs/Outputs	
Video input	BNC (x8), 800 mVp-p, 75 Ω HD-SDI: 1.485 Gbps or 1.485/1.001 Gbps SD-SDI: 270 Mbps The frame synchronizer function is built in for all the inputs.
Video output	BNC (x4), 800 mVp-p, 75 Ω HD-SDI: 1.485 Gbps or 1.485/1.001 Gbps SD-SDI: 270 Mbps
Supplied accessories	
	Control cable (shielded cross cable complied with IEEE 802.3 Ethernet 100BASE-TX standards, for connection between the Processor Unit and Control Panel) (1), Operating Instructions (1), Warranty (1)

BKDF-901 1M/E Control Panel

General	
Dimensions (W/H/D)	430 x 110.1 x 221 mm (17 x 4 3/8 x 8 3/4 inches)
Mass	4.4 kg (9 lb 11 oz)

BKDF-902 1.5M/E Control Panel

General	
Dimensions (W/H/D)	599 x 120.8 x 399 mm (23 5/8 x 4 7/8 x 15 3/4 inches)
Mass	10.4 kg (22 lb 15 oz)

Distributed by

© 2010 Sony Corporation. All rights reserved.
 Reproduction in whole or in part without written permission is prohibited.
 Features and specifications are subject to change without notice.
 The values for mass and dimension are approximate.
 "SONY" and "make.believe" are trademarks of Sony Corporation.
 Tyco Electronics is a trademark of Tyco Electronics Corporation.