The DFS-700/P refers to two models: the DFS-700 (NTSC model) and the DFS-700P (PAL model).

**Specifications**

- **Model DFS-700 (NTSC)/DFS-700P (PAL)**
- **Dimensions Control panel: 440 mm**
- **Weight Control panel: 3 kg, 6 lb 10 oz**
- **Operating temperature: 0 to 40 °C (32 to 104 °F)**
- **Power consumption: 200 W**
- **AC 180 to 260 V , 47 to 63 Hz (DFS-700P)**
- **AC 220/240 V , 50/60 Hz (DFS-700P)**
- **Linearity (Composite output): DG: Less than 3.5% (composite input)**
- **Frequency response: 0 to 5 MHz +0.5 dB/-1 dB**
- **Signal Processing**
  - **Input Signals**
    - Composite BNC type
    - Component BNC type
    - SDI BNC type
  - **Output Signals**
    - Composite BNC type
    - Component BNC type
    - SDI BNC type
- **Input Impedance**
  - **Video:** 1.0 Vp-p, 75 Ω
  - **Sync:** 0.286 Vp-p
  - **Burst:** 0.3 Vp-p (DFS-700P), 0.286 Vp-p (DFS-700)
- **Output Impedance**
  - **Video:** 1.0 Vp-p, 75 Ω
  - **Sync:** 0.286 Vp-p (DFS-700), 0.286 Vp-p (DFS-700P)
  - **Burst:** 0.3 Vp-p (DFS-700P), 0.286 Vp-p (DFS-700)
- **S/N**
  - **More than 50 dB (composite)**
- **Dimensions Processor unit: 14 kg, 30 lb 14 oz**
- **Dimensions Processor unit: 520 mm x 5 1/4 inches**
- **Dimensions Processor unit: 17 1/4 inches**
- **Dimensions Control panel: 520 mm x 11 1/4 inches**
- **Dimensions Control panel: 5 1/4 inches**
- **Dimensions Processor unit: 287 mm x 11 1/4 inches**
- **Dimensions Processor unit: 5 1/4 inches**
- **Features and specifications are subject to change without notice.**
- **All non-metric weights and measurements are approximate.**

**Endless Imagination & Creativity**

What happens when you put outstanding digital effects and an advanced digital switcher together in an extremely compact package? You get the Sony DFS-700/P—an ideally proportioned, easy-to-operate switcher incorporating the latest digital multi-effects. Offering the precision of full component digital processing, all the creativity of hundreds of preset special effects, and the flexibility of 16:9 or 4:3 operation, the DFS-700P is your promise of top-flight productivity. Cost-effective yet extremely versatile, Sony’s DFS-700/P will open up new horizons in digital television performance.

Powerful Digital Performance at Your Fingertips!

DME Switcher DFS-700/P

Distributed by Sony Electronics Inc.

www.sony.com/professional

Park Ridge, NJ 07656
One Sony Drive

* The DFS-700/P refers to the NTSC, the DFS-700 (NTSC model), and the DFS-700P (PAL model).
Digital signal processing inputs 16 or 12 respectively, any eight of them may be analog components. With the optional BKDF-701, and four composite (composite or Y/C) are added with the BKDF-702/P. The system also includes a component digital performance to maintain compatibility with analog machines, plus excellent analog component processing from input to output. The DFS-700/P is built around full digital component signals which is why it is so easy to use. The layout is straightforward and stream-lined for maximum efficiency. As a result, the DFS-700/P work on the effects. Or if you like, you can execute partial modifications to the effects. With pre-programmed effect patterns, anyone can create professional visual effects with ease.

The simplicity of pre-programmed effects allows you to create professional special effects. The DFS-700/P provides an even greater variety of real-time effects and special effects that you can recall with the numeric keypad. Power-packed yet extremely easy to use, the DFS-700/P is an ideal tool. It’s the simple, all-powerful, all-digital system! The perfect companion for Sony digital powerhouse.

The DFS-700/P is an amazing display of digital technology. The perfect companion for Sony digital powerhouse. Maybe you’re considering digital production necessities. Be CREATIVE. The simplicity of pre-programmed effects allows you to create professional special effects. The DFS-700/P provides an even greater variety of real-time effects and special effects that you can recall with the numeric keypad. Power-packed yet extremely easy to use, the DFS-700/P is an ideal tool. It’s the simple, all-powerful, all-digital system! The perfect companion for Sony digital powerhouse.

Ergonomic control panel

From preemphasizing to special effects, the new DFS-700/P allows real-time digital waveform and Vectorscope display. The Waveform display is for maximum efficiency in editing. It helps you make the right decisions and save time. TheVectorscope is for broadcasting when split-screen shots are used. It makes the DFS-700/P the perfect tool for film,
DFS-700/P delivers the quality you’ll need at 4:2:2:4 (video and key). In this way, the component processing from input to output on digital component signals is why great start as it will prepare you for any imaging. And if you’re using the DFS-700/P, it’s a digital powerhouse.

The world is moving into digital broadcast-bridge to digital signal processing which can be freely assigned to the control inputs 16 or 12 respectively, any eight of the Sony MAV-555 server. And whichever format you choose, the DFS-700/P is an ideal digital VTR picture quality. Starting with the digital VTR picture quality, combined operations (two-channel picture in one channel special effects, such as push-in, push-out, Duality™ effect (two-channel picture in one channel)), and drop in the DFS-700/P. It’s the simple, ergonomic control panel makes everything easy. The layout is straightforward and streamlining your productions becomes more exciting, you have easy access to 3D effects such as ripple and swirl effects. SPARKLE™ (such as ripple and swirl effects).

Three-dimensional special effects can be expressed as graphic images that are three-dimensional, having height, width, and depth. These effects can include scaling, rotation, and translation of objects in a scene. These effects can be used in various applications, such as animation, video editing, and computer graphics. The DFS-700/P provides a comprehensive set of tools for creating and editing 3D special effects.


The DFS-700/P is an amazing, creative but can also be extremely difficult to use. The DFS-700/P makes things easy. The optional 3D Mapping Board delivers easy to integrate into a high-end DVS system, capable of delivering true 3D, page 3-dimensional mapping technique.
QUALITY by Digitization

**SPEED is Power**

If you've ever been held back by the “rendering hurdle”, if your effects have been too time-consuming, if you need the benefits of digital component signals which is why great start as it will prepare you for any ing. And if you're using the DFS-700/P , it's a .

The world is moving into digital broadcast-.

**Bridge to DIGITAL**

**PERFORMANCE**

**KU-1000 Series switchers.** As with the system, the DFS-700/P is also the main component for digital component signals, ready to integrate into a high-end DVS switcher system. By installing the optional As with the above-mentioned digital component signals, the DFS-700/P is also a comprehensive tool for numeric keypad. Power-packed yet extremely digital VTRs and servers.

- **DME LINK** or any application.

**K-line operation**

The DFS-700/P is a real-time processor that lets you control your digital component signals, ready to integrate into a high-end DVS switcher system. By installing the optional As with the above-mentioned digital component signals, the DFS-700/P is also a comprehensive tool for numeric keypad. Power-packed yet extremely digital VTRs and servers.

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**K-line function**

You can use the DVS-2000C as an external switcher system. By installing the optional As with the above-mentioned digital component signals, the DFS-700/P is also a comprehensive tool for numeric keypad. Power-packed yet extremely digital VTRs and servers.

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DFS-700/P delivers the quality you’ll need for your digital signal processing needs. Key features include:

- Digital signal processing: DFS-700/P is built around full digital component processing from input to output, ensuring high-quality digital broadcasting.
- Digital signal processing: The perfect companion for Sony digital VTRs and servers. It’s the simple, easy, cost-effective upgrade that transforms any tired, old analog system into a creative, all-digital powerhouse.
- Digital signal processing: The system comes with complete range of outputs: two SDIs, two analog composites, and two Y/Cs. This means you can configure the DFS-700/P to your specific requirements.

DFS-700/P offers the following additional capabilities:

- Ideal for any application: Whether you’re adding new equipment or upgrading from older systems, DFS-700/P is the right choice.
- Ideal for any application: DFS-700/P is designed to work with Sony editing controllers, ensuring seamless integration into your workflow.
- Ideal for any application: DFS-700/P provides an even greater level of performance and cost-effectiveness compared to previous models.

DFS-700/P is a cost-effective first step in your digital broadcasting journey. You can integrate the DFS-700/P into your existing system or use it as a standalone unit, providing the flexibility you need to adapt to your specific production needs.
The DFS-700/P refers to two models: the DFS-700 (NTSC model) and the DFS-700P (PAL model).

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
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<tbody>
<tr>
<td>Terminal USB</td>
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<tr>
<td>Sampling rate Y</td>
<td>Value: 13.5 MHz</td>
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<tr>
<td>PREVIEW OUT</td>
<td>Type: BNC type</td>
</tr>
<tr>
<td>CLEAN OUT</td>
<td>Type: BNC type</td>
</tr>
<tr>
<td>Weight Control</td>
<td>Panel: 3 kg, 6 lb 10 oz</td>
</tr>
<tr>
<td>Linearity (Composite output)</td>
<td>Value: Less than 3.5% (composite input)</td>
</tr>
<tr>
<td>Quantization Y/R-Y/B-Y</td>
<td>Value: 8 bits</td>
</tr>
<tr>
<td>REF VIDEO</td>
<td>Type: BNC type</td>
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<tr>
<td>VIDEO INPUTS</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>Control panel: 440</td>
</tr>
<tr>
<td>Operating temp</td>
<td>Range: 0 to 40 °C (32 to 104 °F)</td>
</tr>
<tr>
<td>Power consump-</td>
<td>tion: 200 W</td>
</tr>
<tr>
<td>Power require-</td>
<td>ments: AC 90 to 130 V, 47 to 63 Hz (DFS-700)</td>
</tr>
<tr>
<td></td>
<td>AC 180 to 260 V, 47 to 63 Hz (DFS-700P)</td>
</tr>
<tr>
<td></td>
<td>AC 220/240 V, 50/60 Hz (DFS-700P)</td>
</tr>
<tr>
<td>Processor unit:</td>
<td>Weight: 14 kg, 30 lb 14 oz</td>
</tr>
<tr>
<td>Processor unit:</td>
<td>Height: 287 mm</td>
</tr>
<tr>
<td>Processor unit:</td>
<td>Width: 121 inches</td>
</tr>
<tr>
<td>Processor unit:</td>
<td>Depth: 132 inches</td>
</tr>
</tbody>
</table>

* Signal Processing

**Control Signals**

- Output Signals
  - Composite BNC type
  - S-Video DIN type
  - Component BNC type

**Input Signals**

- Video: 1.0 Vp-p, 75 Ω
- Sync: 0.286 Vp-p, 75 Ω
- Burst: 0.286 Vp-p, 75 Ω
- Y/C: 0.3 Vp-p at burst, 75 Ω
- R-Y/B-Y: 0.525 Vp-p, 75 Ω
- C: 0.286 Vp-p at burst, 75 Ω
- R-Y/B-Y: 0.525 Vp-p, 75 Ω
- 270 Mb/s

- SDI: 270 Mb/s

- HD: 17 1/4 inches (DFS-700)
- 121 inches (DFS-700P)
- 132 inches (DFS-700P)

- 20 1/2 inches (DFS-700P)
- 11 1/4 inches (DFS-700)

Features and specifications are subject to change without notice.

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Printed in USA 10/00
The DFS-700/P refers to two models: the DFS-700 (NTSC model) and the DFS-700P (PAL model).

<table>
<thead>
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<tbody>
<tr>
<td><strong>Y Chroma Delay</strong></td>
</tr>
<tr>
<td>Less than 20 ns (component)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
</tr>
<tr>
<td>Control panel: 3 kg, 6 lb 10 oz</td>
</tr>
<tr>
<td><strong>Processor Unit</strong></td>
</tr>
<tr>
<td>Weight: 14 kg, 30 lb 14 oz</td>
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</table>

**Signal Processing**

<table>
<thead>
<tr>
<th>Input Signals</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Composite BNC type</strong></td>
</tr>
<tr>
<td>C: 0.286 Vp-p at burst, 75 Ω</td>
</tr>
<tr>
<td><strong>S-Video DIN type</strong></td>
</tr>
<tr>
<td>R-Y/B-Y: 0.7 Vp-p, 75 Ω</td>
</tr>
<tr>
<td><strong>Component BNC type</strong></td>
</tr>
<tr>
<td>C: 0.3 Vp-p at burst, 75 Ω</td>
</tr>
</tbody>
</table>

**Linearity**

- Composite output: DP: Less than 2.5° (composite input)
- Component, S-Video input: Less than 1°

**Quantization**

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

**Frequency Response**

- 0 to 5 MHz: +0.5 dB/-1 dB

**Dimensions**

- Control panel: 440×520 mm (17 1/4×20 1/2 inches)

**Operating Temperature**

0 to 40 °C (32 to 104 °F)

**Power Requirements**

- DFS-700: 200 W
- DFS-700P: AC 180 to 260 V, 47 to 63 Hz (DFS-700P)

**Power Consumption**

- DFS-700: 200 W
- DFS-700P: 200 W

**Additional Features**

- Processor unit, Control panel, D-sub 25-pin control cable (10 m), AC cord

**Optional Accessories**

- BKDF-701: Analog Composite Input Board for NTSC
- BKDF-702P: Analog Composite Input Board for PAL
- BKDF-702: Analog Composite Input Board for PAL
- BKDF-711: 2nd Channel DME Board
- BZDF-710: Add-on Effects Software
- BZDF-701: DME-LINK Software
- BKDF-712: 3D Video Mapping Effects Board
- BKDF-702: Add-on Effects Software

Endless Imagination & Creativity!
### Specifications

**Model DFS-700 (NTSC)/DFS-700P (PAL)**

<table>
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<tr>
<th>Feature</th>
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<tr>
<td></td>
<td>Component BNC type</td>
</tr>
<tr>
<td><strong>Signal Processing</strong></td>
<td>0 to 5 MHz +0.5 dB/-1 dB</td>
</tr>
<tr>
<td><strong>Quantization</strong></td>
<td>Y/R-Y/B-Y: 8 bits</td>
</tr>
<tr>
<td><strong>Frequency response</strong></td>
<td>Video: 1.0 Vp-p, 75Ω</td>
</tr>
<tr>
<td></td>
<td>R-Y/B-Y: 0.525 Vp-p, 75Ω</td>
</tr>
<tr>
<td></td>
<td>270 Mb/s</td>
</tr>
<tr>
<td><strong>Video Input</strong></td>
<td>Y: 1.0 Vp-p, 75Ω</td>
</tr>
<tr>
<td></td>
<td>R-Y/B-Y: 0.7 Vp-p, 75Ω</td>
</tr>
<tr>
<td></td>
<td>Burst: 0.3 Vp-p (DFS-700P)</td>
</tr>
<tr>
<td></td>
<td>Burst: 0.286 Vp-p (DFS-700)</td>
</tr>
<tr>
<td><strong>Sync</strong></td>
<td>Y: 1.0 Vp-p, 75Ω</td>
</tr>
<tr>
<td></td>
<td>R-Y/B-Y: 0.7 Vp-p, 75Ω</td>
</tr>
<tr>
<td></td>
<td>Burst: 0.3 Vp-p (DFS-700P)</td>
</tr>
<tr>
<td></td>
<td>Burst: 0.286 Vp-p (DFS-700)</td>
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