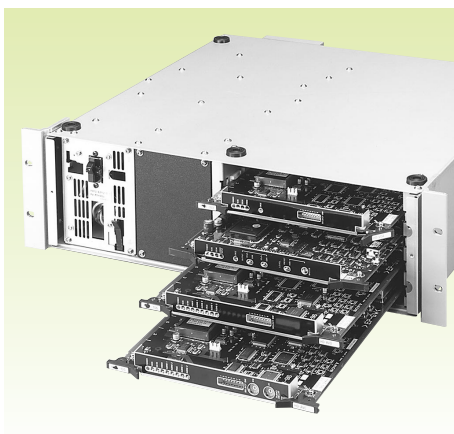


# SONY®

## High Definition Digital Interface Unit PFV-HD50A



The PFV-HD50A is a new modular style interface unit specially designed to support HDTV (High Definition Television System). It is only 3-RU high and able to house up to 4 function boards for installations where space is a critical commodity, such as OB vehicles.

The PFV-HD50A is equipped with an S-BUS port and two Video Reference inputs enabling usage as a simple routing switcher in combination use with BKPF-300 Series selector boards. In addition, it can also hold an optional redundant power supply—BKPF-PS50A to ensure power provided to the installed function boards for continued operation.

Digital  
Processing  
Equipment

## Features

### Supports both HDTV & SDTV function boards

The PFV-HD50A supports both HKPF-Series HD function boards and BKPF-Series SDTV function boards. Maximum four boards can be accommodated with flexible and effective system inter-connection.

### Excellent reliability

The PFV-HD50A ensures safety and high reliable operation, and successfully satisfy the USA EMC standards FCC class.

### S-BUS function

With the BKPF-300 Series video/audio selector boards installed, the PFV-HD50A enables S-BUS control through a BNC connector to offer a routing switching control capability.

### Redundant power supply

The optional BKPF-PS50A is identical to the standard power supply unit to ensure power maintained to the installed boards. It can be mounted or dismounted easily from the front side of the frame to minimize the down time required for the service and maintenance.

## System Components

### BKPF-500, ISR (Interactive Status Reporting) board

For convenient diagnostic operation, the status information on each BKPF Series board can be reported to an ISR (Interactive Status Reporting) System with use of the BKPF-500 ISR board.

## Specifications

### PFV-HD50A High Definition Digital Interface Unit

General	
Dimensions (W X H X D)	424 X 132 X 428 mm (16 3/4 X 5 1/4 X 16 7/8 inches)
Mass	Approx. 9 kg (19 lb 13 oz)
Power requirements	AC 100 V to 240 V $\pm$ 10 %, 50 / 60 Hz
Power consumption	1.8 to 0.9 A
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	10 % to 90 % (No condensation)
Input/Output	
Status output port	D-sub 25 pin X 1
S-Bus port	BNC X 1
Reference port	BNC X 2

### Status monitoring

The PFV-HD50A automatically checks the error/warning/set-up messages, which can be displayed at ISR (Interactive Status Monitoring) terminals for convenience of operation. It has a dedicated slot to install the BKPF-500 ISR board required for the monitoring. No. 4 is the slot in the PFV-HD50A.

### Fan cooled operation

A fan cooling system is incorporated for effective circulation of ventilating air within the unit during long-term operation.

### Compact size

Compact size design, just 3U rack height for space saving installation.

### EIA-standard 19-inch rack mountable

Universal rack housing mounts in any standard 19-inch rack.

### 100 V to 240 V AC operation

The PFV-HD50A operates on voltages between 100 V to 240 V AC without adaptation.

### BKPF-PS50A, Back-up Power Supply Unit

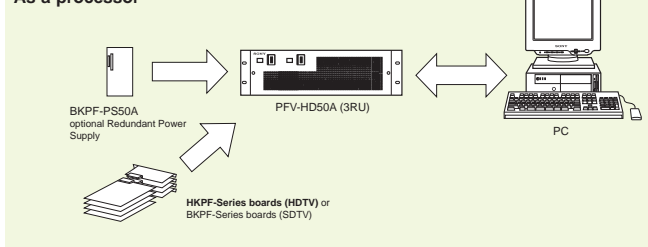
This redundant power supply unit can be used to maintain power to boards installed in the PFV-HD50A.

Back-up power supply	Available—BKPF-PS50A
Maximum number of system boards installed	Four BKPF-Series system boards including one BKPF-500 ISR board, to be installed in slot No. 4
Supplied accessories	Operation manual x1, Installation manual x1

### BKPF-PS50A Back-up Power Supply Unit

Supply capability	+5V DC: 8A max., -5V DC: 8A max.
Operating temperature	+5°C to +40°C (41°F to 104°F)
Dimensions (w x d x h)	90 x 323 x 120mm (3 5/8 x 12 3/4 x 4 3/4 inches)
Mass	Approx. 1.5kg (3lb 4.9oz)

### System Example(1) As a processor



### System Example(2) As a selector

