

SONY®

High Definition Digital Interface Unit

PFV-HD300



The PFV-HD300 is a new modular style interface unit specially designed to support HDTV(High Definition Television System). It is 7-RU high and can house up to 14 function boards for installation in a larger system configuration.

The PFV-HD300 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-PS300 to ensure that power is maintained to the installed function boards for continued operation.

Digital
Processing
Equipment

Features

Supports both HDTV & SDTV function boards

The PFV-HD300 supports both HKPF-Series HD function boards and BKPF-Series SDTV function boards. Maximum 14 boards can be accommodated with flexible and effective system inter-connection.

Excellent reliability

The PFV-HD300 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-HD300 enables S-BUS control through a BNC connector to offer a routing switching control capability.

Redundant power supply

The optional BKPF-PS300 is identical to the standard power supply unit to ensure power maintained to the installed boards. It can be mounted or dismantled 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-HD300 High Definition Interface Unit

General	
Dimensions (W X H X D)	424 X 310 X 458 mm (16 3/4 X 12 1/4 X 18 1/8 inches)
Mass	Approx. 18 kg (39 lb 11oz) (Excluding the backup power supply unit and the function boards)
Power requirements	AC 100 V to 240 V \pm 10 %, 50 / 60 Hz
Power consumption	4.5 to 2.0 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 25p X 1

Status monitoring

The PFV-HD300 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.14 is the slot in the PFV-HD300.

Fan cooled operation

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

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-HD300 operates on voltages between 100 V to 240 V AC without adaptation.

BKPF-PS300, Back-up Power Supply Unit

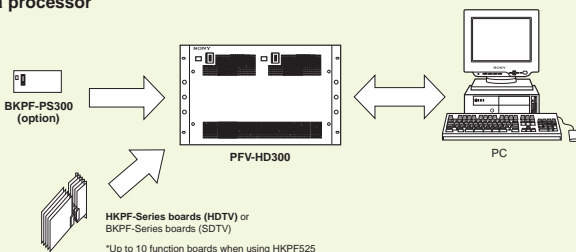
This redundant power supply unit can be used to maintain power to boards installed in the PFV-HD300.

S-Bus port	BNC X 1
Reference port	BNC X 2
Backup power supply	Available—BKPF-PS300
Maximum number of system boards installed	14 BKPF-Series system boards including one BKPF-500 ISR board to be installed in slot No.14
Supplied accessories	Operation manual x 1 Maintenance manual x 1

BKPF-PS300 Back-up Power Supply Unit

Supply capability	DC +5V: Max. 115 W, DC -5V: Max. 115 W
Operating temperature	+5°C to +40°C (41°F to 104°F)
Dimensions (w x d x h)	198 x 94 x 330 mm (7 7/8 x 3 3/4 x 13 inches)
Mass	Approx. 4 kg (8 lb 13 oz)

System Example(1) As a processor



System Example(2) As a selector

