

PROTECH[®]
NIPPON VIDEO SYSTEM CO., LTD

PS-270/470VP
Optical Fiber Studio System



Optical Fiber Studio System

**Designed for use
with handy held and shoulder mount camcorders / camera recorders by
configuring studio use operations and multi-camera field productions.**

**Utilization of the best of small camcorder / camera recorders
for high definition production environments.**

**An ideal choice
for the users who plan to use occasionally the camcorder
in a studio and who plan to use the camcorder in the studio for
emergency or as backup for a system camera as well as
for multi-camera field productions.**

PROTECH®

PS-270VP

PS-270SHDG Optical Fiber Camera Adaptor for a compact camera recorder

The PROTECH PS-270SHDG Optical Fiber Camera Adapter supplies the following interfaces to the camcorder

- HD/SD-SDI input from a camera
- RET video output to the camera
- Genlock output to the camera
- 8-pin REMOTE for the camera remote control
- LANC jack
- 4-pin XLR intercom headset jacks (x2)
- 12V DC output
- Front & rear TALLY indicators
- SMPTE Fiber cable connector
- VF-89W 8.9 inch LCD camera view finder

PS-470VP

PS-470SHDG Optical Fiber Camera Adaptor for shoulder type camera recorders

The PROTECH PS-470SHDG Optical Fiber Camera Adapter supplies the following interfaces to the camcorder

- HD/SD-SDI input from a camera
- RET video output to the camera
- Genlock output to the camera
- 8-pin REMOTE for the camera remote control
- LANC jack
- 4-pin XLR intercom headset jacks (x2)
- 12V DC output
- Front & rear TALLY indicators
- SMPTE Fiber cable connector
- VF-89W 8.9 inch LCD camera view finder

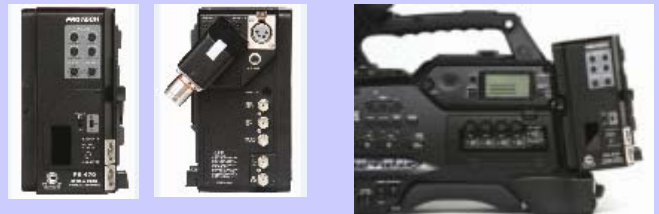
PS-270HD series



PS-270VP Composition

Optical Fiber Camera Adaptor	PS-270SHDG	x1
Optical Fiber Base Station	PS-570SHDG	x1
DC Cable	DC-EX3	x1
Camera View Finder	VF-89W	x1
Intercom Headset	DL-400	x2
VF 6-pin Cable	VC-450	x1
Remote Cable	RCC-450	x1
External Tally Cable	TC-550	x1
Control Cable (LANC)		x1
BNC Cable 0.4m		x3
BNC Cable 1m		x1

PS-470HD series



PS-470VP Composition

Optical Fiber Camera Adaptor	PS-470SHDG	x1
Optical Fiber Base Station	PS-570SHDG	x1
Camera View Finder	VF-89W	x1
Intercom Headset	DL-400	x2
VF 6-pin Cable	VC-450	x1
Remote Cable	RCC-450	x1
External Tally Cable	TC-550	x1
Control Cable (LANC)		x1
BNC Cable 0.4m		x3
BNC Cable 1m		x1

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PS-570SHDG Optical Fiber Base Station

- Supplies tally & return video, intercom, TC, remote and power via fiber optic cable to PS-270SHDG / PS-470SHDG.

Single Optical Fiber Cable operation

- Via Single Optical Fiber Cable the PS-270/470 Optical Fiber Camera Adapter can transmit HD/SD-SDI signal, and intercom to the base station. The base station PS-570 can send DC power, return, tally, remote and TC to a camera adaptor.

- The distance between the camera adaptor and the base station allows up to 2000m without any signal deterioration.

Low cost – High quality Optical Fiber Cable (option)

- Low cost – high quality optical fiber cables available in lengths to fit various applications.



PS-570HD series



PROTECH Intercom

- The PS-270/470VP includes 2 PROTECH DL-400 intercom headsets.



Power supply via Optical Fiber Cable

- Power is supplied via an optical fiber cable from the base station to the PS-270/470, camera, LCD camera view finder and camera light up to a maximum length of 2000m. Alternatively the camera can be power by battery and camera adaptor can be powered by AC Adapter.

VF-89W (NTSC/PAL) (supplied)



- 8.9 inch Camera View Finder
16:9 wide type
4 inputs and 1 through-out
Red and Green Tally
Peaking function, HD-Y input
Blue only switch
Marker Indication (16:9 or 4:3)

Line-up of Camera Adaptor and Base Station

Type	Camera Adaptor	Base Station	Applicable Manufacture	Package
Standard	PS-270HD	PS-570HD		
Gen-lock , Remote	PS-270SHDG	PS-570SHDG	Sony	PS-270VP
Standard	PS-470HD	PS-570HD		
Gen-lock	PS-470HDG	PS-570HDG		
Remote	PS-470SHD	PS-570SHD	Sony	
Remote	PS-470PHD	PS-570PHD	Panasonic	
Gen-lock , Remote	PS-470SHDG	PS-570SHDG	Sony	PS-470VP
Gen-lock , Remote	PS-470PHDG	PS-570PHDG	Panasonic	PS-470VP/P
Gen-lock , Remote	PS-470IHDG	PS-570IHDG	Ikegami	

PS-270SHDG Main Specifications

Input	Video	HD-SDI/SD-SDI (BNC x1)
	DC in	XLR 4-pin x1: 12V
Output	Time Code	BNC x1
	Return	Analogue composite or HD-Y, BNC x1, 1Vp-p 75ohm
	Genlock	BNC x1
	DC output	XLR 4-pin x1, Mini 4pin out x1
	Others	HEAD SET (XLR-4pin x2 for FL-401) Optical connector x1
Remote		8-pin connector, LANC (stereo mini jack ϕ 2.4mm)
General	Power	DC13.5V, Consumption approx. 20W
	Dimension	179 x 59 x 266mm (WxHxD)
	Temperature Operation	From 0 degree C to 40 degree C
	Storage	From -20 degree C to 60 degree C
	Weight	Approx. 1.4kg

PS-470SHDG Main Specifications

Input	Video	HD-SDI/SD-SDI (BNC x1)
	DC input	V mount Holder x1
Output	Time Code	BNC x1
	Return	Analogue composite or HD-Y BNC x1, 1Vp-p 75ohm
	DC output	V mount x1, XLR 4-pin (female)
	Others	HEAD SET (XLR-4pin for FL-401) Optical connector x1
Remote		8-pin connector, LANC (stereo mini-jack ϕ 2.4mm)
General	Power	DC15V, Consumption approx. 20W
	Dimension	180 x 169 x 91mm (WxHxD)
	Temperature Operation	From 0 degree C to 40 degree C
	Storage	From -20 degree C to 60 degree C
	Weight	Approx. 1.8kg

PS-570SHDG Main Specifications

Input	Return Signal	Composite or HD-Y BNC x1, 1Vp-p 75ohm
	Time Code IN	BNC x1
	Genlock	BNC x1, Composite or HD-Y
	Tally	Dsub 15P x1
	DC	XLR 4-pin (male x1): DC 12V
Output	HD/SD-SDI	BNC x2: Audio, TC embedded
	Tally	Dsub 15P x1
	Time Code OUT	BNC x1
	Headset	XLR-4pin x1
Incom		XLR 3-pin x1: 2W for Clearcom XLR 5-pin x1: 4W Incom, IN: -10dB to +4dB, OUT: -10dB BNC x1
Remote		8-pin connector, LANC (stereo mini jack ϕ 2.4mm)
General	Power	AC85V - 240V, Consumption approx. max. 120W at max. load on camera
	Dimension	215 x 71 x 300mm (WxHxD)
	Temperature Operation	From 0 degree C to 40 degree C
	Storage	From -20 degree C to 60 degree C
	Weight	Approx. 3.9kg

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