



FPT-S2DC is a portable multi-purpose optical transmission device with compact size and reliable performance. With CWDM and TDM technology, it can support two independent 12G-SDI channels, one BB Genlock, two serial communication channels, one gigabit Ethernet and two GPIOs. Equipped OLED screen can display the working status of each channel in real time.

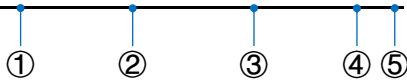
FPT-S2DC is perfectly suitable for the transmission of various kinds of control signals in live production, and can be adapted to the whole series of INCAM micro cameras and remote control heads. Single-mode fiber or SMPTE cable can be utilized for connection. With an optional SMPTE connector, far-end devices can receive power through SMPTE cables.

Features

- ◎ 1 RU half-width compact size with AC/DC redundant power supply
- ◎ Compatible with common single-mode fiber, transmission distance up to 10 km
- ◎ Independent video transmission channels with re-clocking and cable equalization, all input/output processing passed Pathological test
- ◎ Data transmission supports serial communication, GbE and GPIOs. Serial communication channel supports RS-422 and SONY camera interface
- ◎ Connected with SMPTE cable to provide 60W power supply to far-end devices up to 1 km away

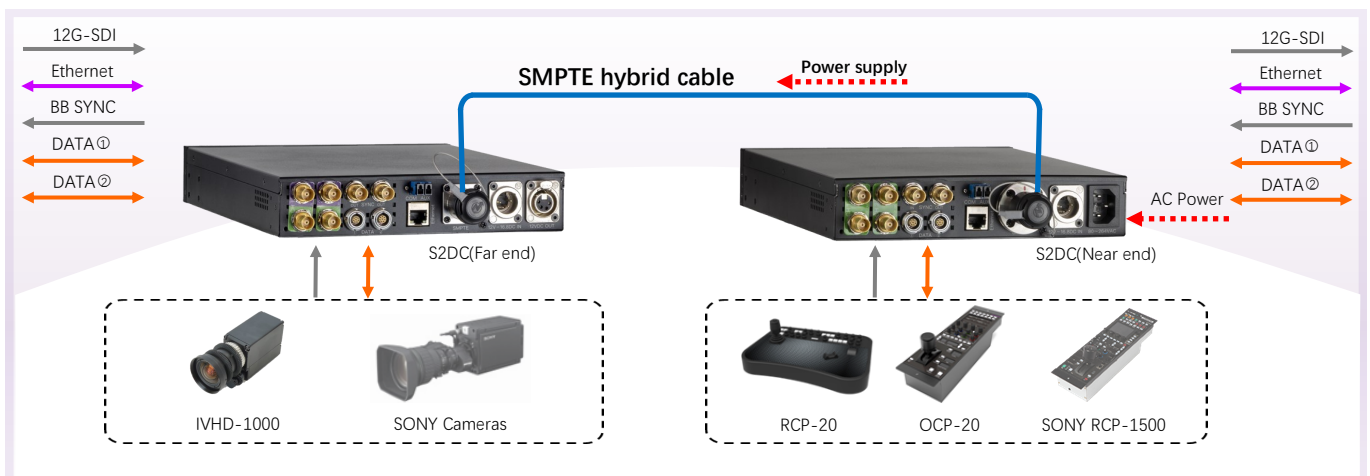
Model Instructions

FPT-S2DC-FXW-V0 1

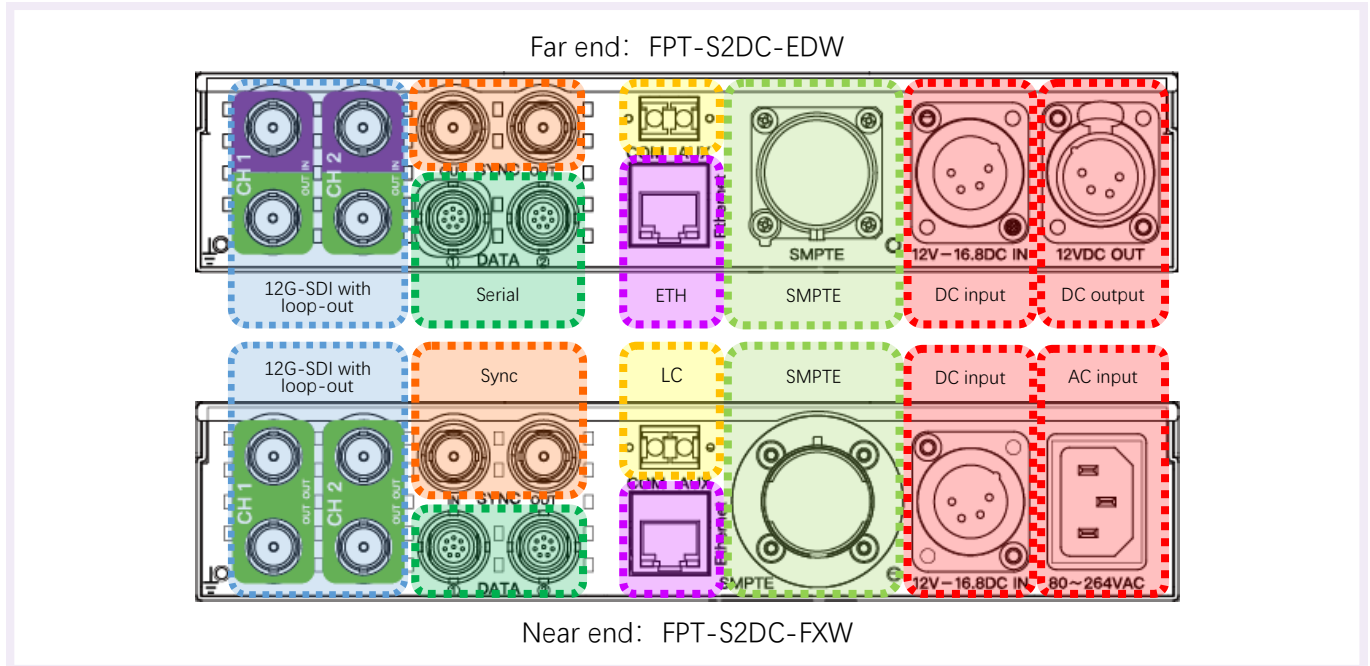


- ① Model type: FTP series
 - ② Data format: 2 channels of serial data with power output
 - ③ Optional optical connector:
 FXW: SMPTE connector at near end EDW: SMPTE connector at far end
 Near: LC connector at near end Far: LC connector at far end
 - ④ Number of input channel: 0 to 2
 - ⑤ Number of output channel: 2 to 0
- The total number of input and output is not more than 2.

System Configuration



Rear Panel



Related Products



Technical Specifications

General	
Dimension	218mm×45mm×273mm
Weight Approx	FXW: 2.60kg (with SMPTE connector) EDW: 2.25KG (with SMPTE connector)
Power consumption	AC 80-264V, DC 12-16.8V, max 120W
Operating temperature	0°C to 40°C
Operating humidity	20% to 80%
Connectors	
Ethernet	RJ45(×1), 1000BASE-TX
Serial communication	8Pin ^① (×2), support SONY interface
Power supply	XLR ^② (×1): 12VDC, 50W; can not be used together with 8Pin data
Synchronization	BNC (×1), Black burst, PAL/NTSC
Optical Fiber connector	LC (x2)
Hybrid cable connector	Optional Lemo 3K.93C
Transmission distance	10km (Typical) optional

Video		
Video Format	12G-SDI	3G-SDI
Channel	Max. 2 channels with loop out cable equalization and re-clocking	
Format	SMPTE ST 2082-1 SMPTE ST 2081-1	SMPTE 424M SMPTE 292M SMPTE 259M
Impedance	75Ω	
Reflection Loss	>4dB	>10dB
Amplitude	800mV	800mV
DC offset	0V±5mV	
Rising time	38ps	56ps
Falling time	37ps	52ps
Jitter Timing	0.58UI	0.12UI
Jitter Align	0.10UI	0.05UI
Cable EQ	50m, Belden 4794R	100m, Belden 1694A

Design and specification are subject to change without notice.